

LUXURY MODEL RACING CARS

# XRAY



USA  
EUROPEAN  
**WORLD**  
CHAMPIONS

## 2010 VICTORIES

### 1/10 Nitro Touring Car victories:

World Champion  
 USA ROAR Champion  
 Junior European B Champion  
 FEMCA GP Winner  
 South American Champion  
 German National Champion  
 Norwegian National Champion  
 Belgian National Champion  
 Dutch National Champion  
 Spanish National Champion  
 Swiss National Champion  
 Argentinean Champion  
 Spanish National B Champion

### 1/10 Electric Touring Car victories:

US ROAR Carpet Nationals Winner  
 US Novak On/Road Champion  
 Snowbirds Winner  
 US ROAR On-Road Nationals Winner  
 Reedy Race of Champions Winner  
 Nordic Champion  
 FEMCA GP Winner  
 German Champion  
 Italian UISP Champions  
 Norwegian Champion  
 Winter Czech Champion  
 Danish Champion  
 Luxembourg National Champion  
 Swiss Champion  
 Dutch Champion  
 Korean Champion  
 NSW State Australia Champion  
 Spanish Champion  
 Australian Nationals Winner  
 Italian GP Winner  
 Portuguese Champion  
 Malaysian Champion  
 Muchmore Masters Winner

### 1/8 Off-road victories:

Swiss National Champion  
 Greek National B Champion  
 Cyprus National Champion  
 New Zealand National Champion  
 Portuguese National Junior Champion  
 Greek National Champion  
 Australian 1/8 Electric National Champion  
 Spanish 1/8 Electric National Champion  
 Swiss Truggy Champion

### 1/18 Micro victories:

US Off-road Micro Nats Open monster truck Winner  
 US Off-road Micro Nats Mod Truck Winner  
 US Off-road Micro Nats Mod Buggy Winner  
 US On-road Micro Nats Stock Winner  
 US On-road Micro Nats Mod Touring Winner  
 US On-road Micro Nats Mod Truck Winner



Team XRAY at 1/10 Nitro Touring Car European Championship 2007

The world of XRAY is one of excitement, prestige, luxury, and adrenaline-charged performance. XRAY's impressive product line offers premium quality, innovative engineering marvels and the exclusivity borne of success on the world's racetracks, a marriage of **sophistication, luxury, craftsmanship, and leading technology**. Owning an XRAY is being part of the team...the same team that has dominated races all over the world for years. XRAY and its products embody a genuine sporting spirit as well as distinctive European styling, design and quality. While we always look to the future, we will never lose sight of the values that have made XRAY what it is today... **passion, dedication, and commitment to excellence**. It's no wonder that XRAY is the top RC manufacturer in the world, backed up with the impressive list of accomplishments, awards, and wins.

Team XRAY is one of the world's most successful racing teams, with an extensive list of wins and achievements. Owning an XRAY product, you become a member of the worldwide network of national teams, receiving special and exclusive product support and service like the PRO drivers do. Racing an XRAY car, you can be on your way to becoming another valued member of XRAY's International Factory Team, maybe even winning a European or US Championship! Challenge your skills...enjoy the XRAY ride.

# WORLD CHAMPIONS



20x  
CAR OF THE YEAR

CAR OF THE YEAR 2001

CAR OF THE YEAR 2002

CAR OF THE YEAR 2003

WORLD'S BEST OFF-ROAD CAR 2004

CAR OF THE YEAR 2004

CAR OF THE YEAR 2005

WORLD'S BEST CRAFTED TOURING CAR AWARD

WORLD'S BEST TOURING CAR AWARD

WORLD'S BEST BELT DRIVEN TOURING CAR AWARD

CAR OF THE YEAR 2006

BUGGY OF THE YEAR 2006

BEST OF 2006

READER'S CHOICE AWARD 2007

CAR OF THE YEAR 2007

TOURING CAR OF THE YEAR 2007

CAR OF THE YEAR 2008

NITRO TOURING CAR OF THE YEAR 2008

READER'S CHOICE AWARD 2008

ELECTRIC TOURING CAR OF THE YEAR 2008

VIEWERS CHOICE AWARD 2009

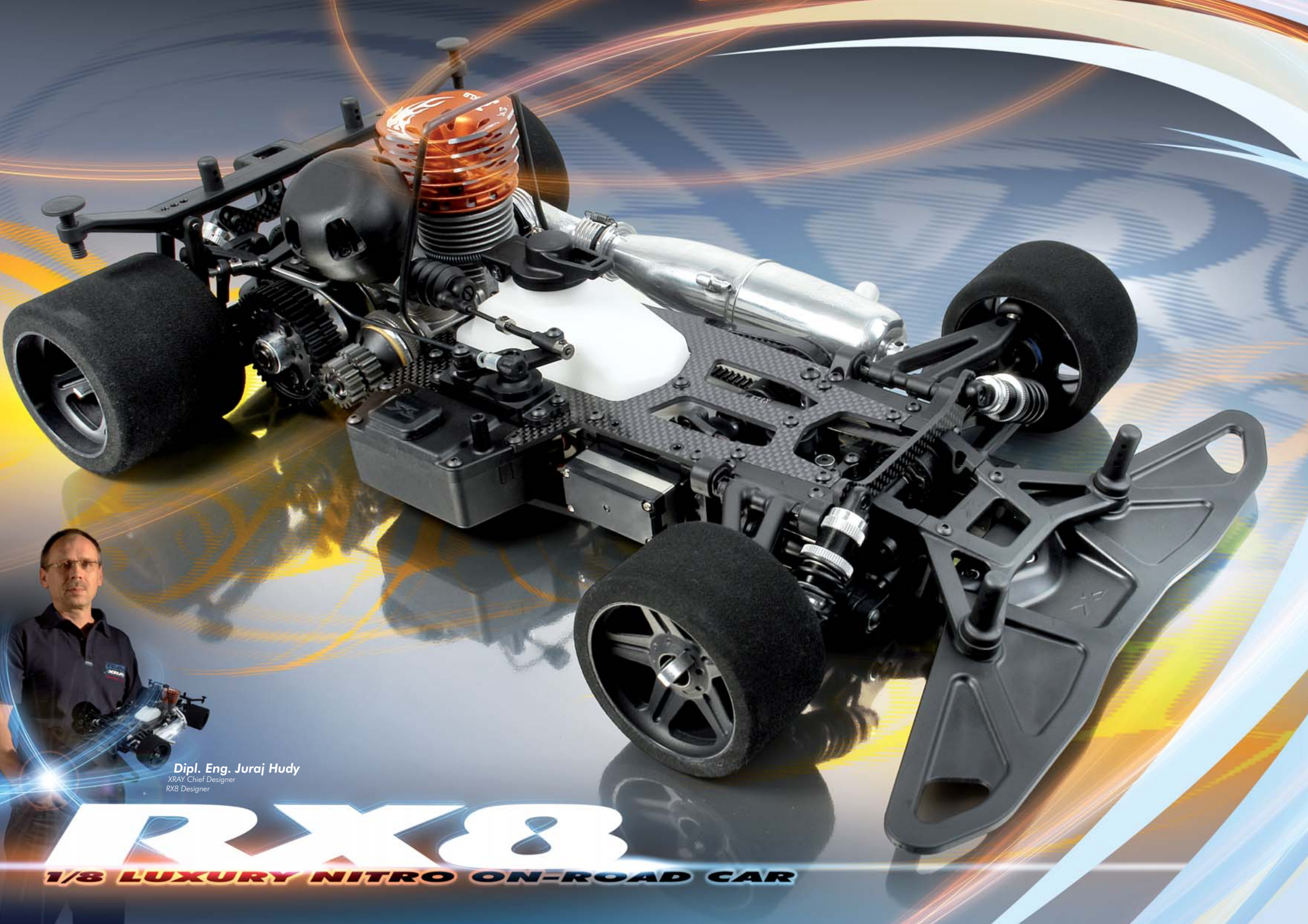


DESIGNING

DIPL. ENG. **JURAJ HUDÝ** XRAY CHIEF DESIGNER

DEVELOPING  
WINNING

**MARTIN HUDÝ** XRAY PRO DRIVER & DESIGNER



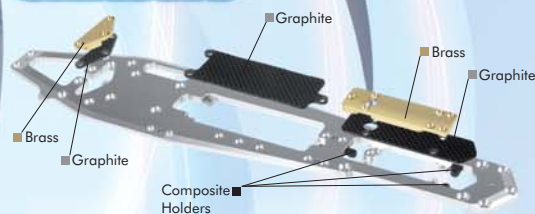
**Dipl. Eng. Juraj Hudy**  
RX8 Chief Designer  
RX8 Designer

# RX8

**1/8 LUXURY NITRO ON-ROAD CAR**



## CHASSIS



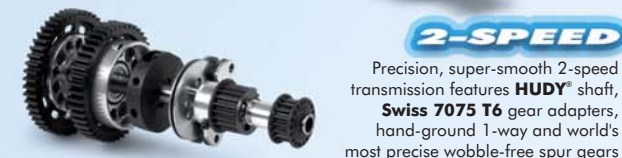
	MOUNTING	MATERIAL	IN THE KIT	INCREASES AERODYNAMICS & DUST PROTECTION	INCREASES WEIGHT	INCREASES CHASSIS STIFFNESS
FRONT	FIXED	Brass	OPTIONAL	✓	✓	✓
		Graphite	OPTIONAL	✓		✓
	FLEXIBLE	Brass	OPTIONAL	✓	✓	
		Graphite	OPTIONAL	✓		
CENTER		Composite	INCLUDED			✓
	FIXED	Brass	OPTIONAL		✓	✓
		Graphite	OPTIONAL			✓
REAR	FIXED	Brass	OPTIONAL	✓	✓	✓
		Graphite	OPTIONAL	✓		✓

## XCA CLUTCH



Easily-adjustable 3-shoe XCA (**X**RAY **C**entrifugal-**A**xial) clutch featuring clutchbell, clutch nut and preload collar made from exclusive **Hudy Spring Steel™**, hardcoated flywheel, clutch nut, preload collar, shoe support plate and spring cup made from premium **Swiss 7075 T6**.

## 2-SPEED



Precision, super-smooth 2-speed transmission features **HUDY®** shaft, **Swiss 7075 T6** gear adapters, hand-ground 1-way and world's most precise wobble-free spur gears

## LOWEST CG



RX8 features all the parts positioned ultra low creating the lowest CG platform. Low fuel tank can be lowered by another 3mm using optional tiny receiver pack.

## HIGH-PERFORMANCE PARTS

**Swiss 7075 T6** front one-way differential and lightweight rear solid axle.



Exclusive **Hudy Spring Steel** front CVD drive shafts and rear dogbone shafts



Premium **Hudy Spring Steel™** adjustable turnbuckles

Exclusive XRAY aluminum 4-step externally-adjustable racing shocks w/ selected springs



Exclusive **Hudy Spring Steel™** drivetrain parts



High-speed lightly-oiled selected ball-bearings

• 5mm **Swiss 7075 T6** chassis • 2.5mm aero-space graphite radio plate • centralized fuel tank with internal stone-type filter & volume inserts • composite front and rear bulkheads • easy radio plate flex adjustment via bushings • 1-piece brake disk with ultra-deep ventilating groove • most efficient, smoothest drivetrain using optimal belt/pulley construction with lowest rotating mass • exclusive **HUDY Spring Steel™** drivetrain parts for highest performance and unmatched lifespan • **Swiss 7075 T6** alu wheel locks • **PUR®**-reinforced high-efficiency, low-friction, fine-pitch drive belts • oversized pulleys for maximum-efficiency belt wrapping • precision-manufactured, super-smooth ultra-lightweight 8mm hollow middle layshaft made from tough **HUDY Shaft Steel**, specially heat treated for extra strength and long life • world's most precise spur gears molded from special composite mixture ensures wobble-free running and eliminates run-out • advanced suspension geometry optimized and finely tuned for high-competition racing • lightweight, durable, and reinforced suspension parts molded from **XRAY's self-developed** composite mixture for suspension parts - each suspension part is molded from a high-tech composite that is specially formulated for the particular part • fully-adjustable suspension featuring **I.S.S. (Integrated Suspension Settings™)** • front anti-roll bars are fully independent from front downstop adjustment

Body not included, see specs page



**2X**  
CAR OF THE YEAR

**car action**  
Reader's  
Choice Award

PURE  
RACING  
DESIGN

QUALITY

HIGH PERFORMANCE

**2011**  
SPECS

LOWEST CG



Ralph Burch

**WORLD  
CHAMPION**

**3X**  
USA  
CHAMPION

**EUROPEAN  
CHAMPION**

**2X**  
EUROPEAN  
CHAMPION "B"

**2X**  
JUNIOR  
EUROPEAN  
CHAMPION

ASIAN  
**FEMCA**  
CHAMPION



Dirk Wischnewski

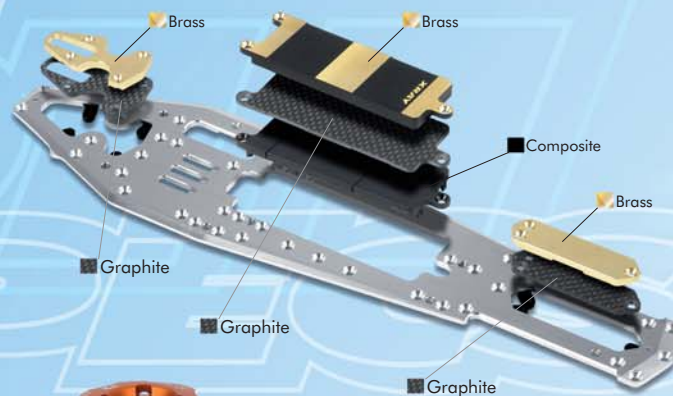
Paul Lemieux

**EUROPEAN USA  
CHAMPIONS**

**MM**

1/10 LUXURY NITRO TOURING CAR

		IN THE KIT	INCREASES AERODYNAMICS & DUST PROTECTION	INCREASES WEIGHT
<b>FRONT</b>	Brass	OPTIONAL	✓	✓
	Graphite	INCLUDED	✓	
<b>CENTER</b>	Composite	INCLUDED		
	Brass	OPTIONAL		✓
<b>REAR</b>	Graphite	OPTIONAL		
	Brass	OPTIONAL	✓	✓
	Graphite	INCLUDED	✓	



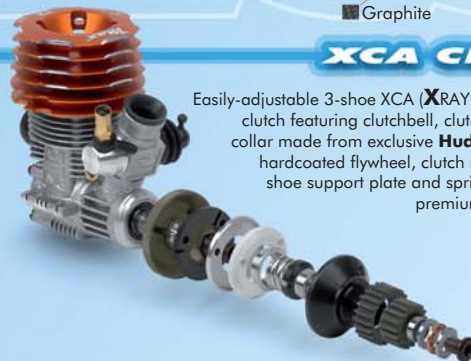
## MULTI FLEX™

Available as option only

**Unique Multi-Flex™ 1-piece engine mounting system** allows chassis stiffness adjustment for different racing condition... **another XRAY revolution!**



## XCA CLUTCH



Easily-adjustable 3-shoe XCA (XRAY Centrifugal-Axial) clutch featuring clutchbell, clutch nut and preload collar made from exclusive **Hudy Spring Steel™**, hardcoated flywheel, clutch nut, preload collar, shoe support plate and spring cup made from premium **Swiss 7075 T6**.

## 2-SPEED



Precision, super-smooth 2-speed transmission features **HUDY™** shaft, **Swiss 7075 T6** gear adapters, hand-ground German 1-way and world's most precise wobble-free spur gears

## LOWEST CG



NT1 features all the parts positioned ultra low creating the lowest CG platform. Low fuel tank can be lowered by another 3mm using optional tiny receiver pack.

## XRAY MULTI-DIFF™

Available as option only

Unique, revolutionary front **XRAY Multi-Diff™** enables 3 different easy settings:

- one-way
- one-way solid
- full-time solid axle



• pure racing design, premium luxury quality, and **highest performance** • 2.5 mm graphite radio plate, front shock tower and roll center bridge, 3.0mm graphite rear shock tower • centralized 75cc fuel tank with hypertonic tank lid and internal stone-type filter • 7075 T6 aluminum brake hub with precision-pressed pins • **laser-cut, precision flat-ground** ventilated steel brake disk for ultra-efficient fade-free braking • high-grip **Ferodo™** brake pads • 7075 T6 aluminum ball-bearing supported brake cam • most efficient, smoothest drivetrain using optimum belt and pulley construction with super-low rotating mass • exclusive **Hudy Spring Steel™** drivetrain parts for highest performance and unmatched lifespan • **PUR®** reinforced high-efficiency, low-friction drive belts • specially-designed adjustable graphite side-belt tensioner allows easy engine removal • solid axle diff adapter transforms differential into **solid axle (spool)** • advanced suspension geometry **optimized** and finely tuned for high-competition racing • lightweight yet durable suspension parts molded from XRAY's self-developed composite mixture • fully-adjustable suspension featuring **I.S.S.™** (Integrated Suspension Settings™) • easily-adjustable hand-ground **blade-style** front-anti roll bars from **Hudy Spring Steel™** • precision pivot balls specially hardened for enhanced lifespan • centralized ball-raced steering servo saver with adjustable spring tension • easily-adjustable Ackermann positions using integrated inserts • fine-threaded shock bodies for precise ride height adjustment • **specially-hardened** shock shafts for maximum strength • XRAY **self-developed** and manufactured ultimate racing springs are hand-selected for maximum precision, equal length, and equal damping characteristics

## WORLD CHAMPION

USA ROAR CHAMPION

JUNIOR EUROPEAN B CHAMPION

FEMCA GP WINNER

SOUTH AMERICAN CHAMPION

GERMAN NATIONAL CHAMPION

NORWEGIAN NATIONAL CHAMPION

BELGIAN NATIONAL CHAMPION

DUTCH NATIONAL CHAMPION

SPANISH NATIONAL CHAMPION

SWISS NATIONAL CHAMPION

ARGENTINEAN CHAMPION

SPANISH NATIONAL B CHAMPION

## HIGH-PERFORMANCE PARTS



Premium **Hudy Spring Steel™** adjustable turnbuckles

Quick-set 2-piece aluminum engine mounting system

**Hudy Spring Steel™** wheel axles and diff outdrives

Exclusive **Hudy Spring Steel™** front & rear CVD drive shafts

World's smallest, super-smooth, no-slip, high-durability gear differentials



Exclusive XRAY aluminum 4-step externally-adjustable racing shocks w/ selected springs

High-speed lightly-oiled selected ball-bearings

**READERS' CHOICE AWARDS WINNER**  
**CAR OF THE YEAR 2008**  
**CAR OF THE YEAR 2007**



Body not included, see specs page

QUALITY | LUXURY  
PERFORMANCE  
FOR EVERY RACER



Biagio Spataro  
European Junior Champion 2009  
European "B" Junior Champion 2009



Freddy Südhoff  
European "B"  
Champion 2009

**NITRO**  
1/10 NITRO TOURING CAR

**EUROPEAN  
CHAMPION**

CNC-machined 3mm  
Swiss 7075 T6 chassis



## MULTI FLEX™

Unique Multi-Flex™ 1-piece engine mounting system allows chassis stiffness adjustment for different racing condition... another XRAY revolution!



## XCA CLUTCH

Easily-adjustable 3-shoe XCA (XRAY Centrifugal-Axial) clutch featuring clutchbell, clutch nut and preload collar made from exclusive **Hudy Spring Steel™**, hardcoated flywheel, clutch nut, preload collar, shoe support plate and spring cup made from premium **Swiss 7075 T6**.



## 2-SPEED

Precision, super-smooth 2-speed transmission features **HUDY®** shaft, **Swiss 7075 T6** gear adapters, hand-ground German 1-way and world's most precise wobble-free spur gears



## XRAY MULTI-DIFF™

Available as option only

Unique, revolutionary front **XRAY Multi-Diff™** enables 3 different easy settings:

- one-way
- one-way solid
- full-time solid axle



## LOWEST CG



NT1 features all the parts positioned ultra low creating the lowest CG platform. Low fuel tank can be lowered by another 3mm using optional tiny receiver pack.

## HIGH-PERFORMANCE PARTS



World's smallest, super-smooth, no-slip, high-durability gear differentials



Alu engine mounts



**Hudy Spring Steel™** wheel axles and diff outdrives



Exclusive **Hudy Spring Steel™** front & rear CVD drive shafts



XRAY 4-step externally-adjustable racing shocks w/ selected springs



High-speed lightly-oiled selected ball-bearings

- pure racing design, premium luxury quality, and **highest performance**
- 2.5 mm fiberglass radio plate, front shock tower and roll center bridge, 3.0mm fiberglass rear shock tower
- centralized 75cc fuel tank with hypertonic tank lid and internal stone-type filter
- 7075 T6 aluminum brake hub with precision-pressed pins
- **laser-cut, precision flat-ground** ventilated steel brake disk for ultra-efficient fade-free braking
- high-grip **Ferodo™** brake pads
- 7075 T6 aluminum ball-bearing supported brake cam
- most efficient, smoothest drivetrain using optimum belt and pulley construction with super-low rotating mass
- exclusive **Hudy Spring Steel™** drivetrain parts for highest performance and unmatched lifespan
- **PUR®** reinforced high-efficiency, low-friction drive belts
- specially-designed adjustable fiberglass side-belt tensioner allows easy engine removal
- solid axle diff adapter transforms differential into **solid axle (spool)**
- advanced suspension geometry **optimized** and finely tuned for high-competition racing
- lightweight yet durable suspension parts molded from XRAY's self-developed composite mixture
- fully-adjustable suspension featuring **I.S.S.™** (Integrated Suspension Settings™)
- precision pivot balls specially hardened for enhanced lifespan
- centralized ball-raced steering servo saver with adjustable spring tension
- easily-adjustable Ackermann positions using integrated inserts
- fine-threaded shock bodies for precise ride height adjustment
- **specially-hardened** shock shafts for maximum strength
- XRAY **self-developed** and manufactured ultimate racing springs are hand-selected for maximum precision, equal length, and equal damping characteristics



Body not included, see specs page.

# 2011 SPEC



EUROPEAN CHAMPION  
EUROPEAN CHAMPION B  
CAR OF THE YEAR  
3X

2009  
VIEWERS CHOICE  
AWARD



## 808

1/8 LUXURY OFF-ROAD BUGGY

### CENTRAL DRIVE TRAIN

The central drive shafts are new for the 2011, and feature a CVD design and new pinion gears. The new 8x16 diff bulkhead ball-bearings are proven from the truggy drivetrain system, giving increased reliability to the 808 platform.

# 2011 PARTS



New CNC-machined hard coated Swiss 7075 T6 chassis



New front & rear diff bulkheads

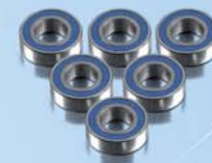


New longer rear central drive shaft from **Hudy Spring Steel™**

New graphite radio plate



Alu lower suspension holder set front & rear with Square adjustable roll-center



Larger & more durable diff bearings

## HIGH-PERFORMANCE PARTS

High-grade **graphite** shock towers and radio plate



Big bore shocks with better-sealing shock O-rings



Composite steering block with moulded-in steel bushing

Super-smooth, no-slip, high-durability gear differentials (front, center, rear)



Well-proven 808 suspension arms and zero king-pin suspension geometry

Adjustable servo saver



ENGINE NOT INCLUDED



World's lightest, most durable CVD driveshafts hand made from famous **Hudy Spring Steel™**

Adjustable turnbuckles from **Hudy Spring Steel™**

Updated composite radio case set

Precision high-speed ball-bearings & **extra-large** clutch bearings

Precision **flat-ground** steel brake disks



Alu flywheel with lightweight alu clutch shoes

High-grade special steel clutchbell featuring over-sized bearings



Hardcoated **Swiss 7075 T6** wheel axles and wheel nuts

Diff outdrives made from **Hudy Spring Steel™** specially ground for maximum precision



## ALL-NEW 2011 SPECS

- new chassis to accommodate all new drivetrain parts
- new and improved handling
- new front and rear alu suspension holders with eccentric roll centers
- new improved weight balance with more centrally-positioned rotary moment
- new diff bulkheads to accommodate new drivetrain parts
- new central drivetrain system with new central CVD drive shafts and pinion gears
- new better-sealing shock O-rings
- new rear brace to accommodate new central drive shafts
- new graphite radio plate more securely placed between throttle servo and spur gear
- new updated radio box
- new high-downforce body

• premium high-competition off-road buggy • very easy assembly/disassembly and maintenance • efficient Zero King-pin suspension • lightweight strong molded steering blocks with molded-in steel bushings • ultra-low CG, all parts centralized in chassis • optimized front/rear and left/right weight balance for perfect jumping • **pure racing design**, highest performance and long life, ultra-durable parts • fully independent, fully-adjustable suspension with full-time 4WD • ultra-lightweight high-tensile transmission parts hand made from special world-renowned top-secret self-developed **Hudy Spring Steel™** • drivetrain includes **22 high-speed** rubber-sealed bearings for maximum efficiency and speed • ultra-precision front/rear and center diffs with **Hudy Spring Steel™** outdrives • pinions, spurs, crown gears and clutchbell manufactured by **HUDY®** • optimized multiple upper and lower shock mounting locations for front and rear • precision-ground steel brake disks • high-grip **Ferodo®** brake pads • exclusive adjustable turnbuckles from **Hudy Spring Steel™** • tiny steering blocks with molded-in steel bushings and new caster blocks • new aluminum suspension holders feature square eccentric bushings to allow complete suspension geometry adjustment and roll center adjustment • high tensile **Swiss 7075 T6** hard anodized chassis • ultra-strong suspension pivot pins inboard and outboard • new central drivetrain system • anti-roll bars • centralized engine positioning • narrow servo saver and steering system • ultra-short graphite steering plate • one-piece graphite radio plate • front & rear flexible composite brace • new high-downforce body • clutchbell with over-sized clutch bearings • 4mm extra-thick front and 3.5mm rear **premium-grade graphite** shocktowers • big-bore oversized shocks for excellent handling on bumpy tracks and big jumps • threaded **big-bore** hard-anodized shock bodies • **XRAY Premium Shock Oils** for perfect consistency



High-downforce racing body included



Designed for  
**LiPo**

**BOBE**  
AS IN  
ELECTRIC  
EXTREME  
EXCELLENCE  
EXCLUSIVE

**BOBE**

1/8 ELECTRIC OFF-ROAD BUGGY

To allow direct transfer of power without any kinetic losses, the central drive shafts are directly connected to the pinion gears. The connecting pin sits in a ball-bearing to guarantee that the connecting pin will never fall out.

**DIRECT SHAFT CONNECTION™**

#### LIPO OPTIMIZED



Premium high-competition off-road electric-powered buggy

#### NARROW STEERING SYSTEM



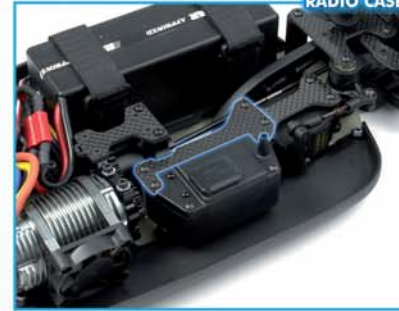
Features a lower mounting position for steering linkage which makes the car handle easier going into corners

#### 1-PIECE ELECTRONICS ASSEMBLY



The 1-piece electronics assembly is compact and can be easily removed for comfortable servicing and cleaning

#### RADIO CASE



The composite radio case ensures great strength to sealability to protect sensitive radio gear

#### MOTOR MOUNT



The motor mount features adjustable motor plate which allows super easy access from the top

## HIGH-PERFORMANCE PARTS

High-grade **graphite** shock towers and radio plate



Big bore shocks with new rubber folding boots

Composite steering block with moulded-in steel bushing

Super-smooth, no-slip, high-durability gear differentials (front, center, rear)



Precision high-speed ball-bearings & **extra-large** clutch bearings



Well-proven 808 suspension arms and zero king-pin suspension geometry

Adjustable servo saver

**Ultra strong** suspension pivot pins



World's lightest, most durable CVD driveshafts hand made from famous **Hudy Spring Steel™**

Adjustable turnbuckles from **Hudy Spring Steel™**



Diff outdrives made from **Hudy Spring Steel™** specially ground for maximum precision



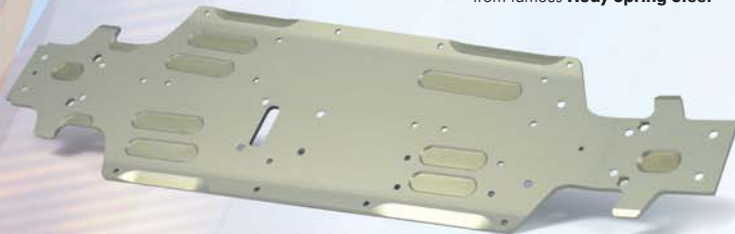
Hardcoated **Swiss 7075 T6** wheel axles and wheel nuts



## 808E SPECS

- kit version only – for professional racers
- based on the ultra-successful 808 platform, shares majority of parts
- well-proven 808 suspension parts and geometry
- pure racing design, highest-performance ultra-durable parts
- ultra-low XRAY racing body

CNC-machined hardcoated **Swiss 7075 T6** chassis



• premium high-competition off-road electric-powered buggy • very easy assembly/disassembly and maintenance • efficient Zero King-pin suspension • lightweight strong molded steering blocks with molded-in steel bushings • ultra-low CG, all parts centralized in chassis • optimized front/rear and left/right weight balance for perfect jumping • **pure racing design**, highest performance and long life, ultra-durable parts • fully independent, fully-adjustable suspension with full-time 4WD • ultra-lightweight high-tensile transmission parts hand made from special world-renowned top-secret self-developed **Hudy Spring Steel™** • drivetrain includes **22 high-speed** rubber-sealed bearings for maximum efficiency and speed • ultra-precision front/rear and center diffs with **Hudy Spring Steel™** outdrives • pinions, spurs, crown gears manufactured by **HUDY®** • optimized multiple upper and lower shock mounting locations for front and rear • exclusive adjustable turnbuckles from **Hudy Spring Steel™** • tiny steering blocks with molded-in steel bushings and new caster blocks • flexible suspension holders with integrated preset optimal suspension geometry • high tensile **Swiss 7075 T6** hard anodized chassis • ultra-strong suspension pivot pins inboard and outboard • **Direct Shaft Connection™** to the pinion gear • anti-roll bars • centralized engine positioning • narrow servo saver and steering system • ultra-short graphite steering plate • front & rear flexible composite brace • gear boxes with **Labyrinth Dust Covers™** • 4mm extra-thick front and 3.5mm rear **premium-grade graphite** shocktowers • big-bore oversized shocks for excellent handling on bumpy tracks and big jumps • threaded **big-bore** hard-anodized shock bodies • **XRAY Premium Shock Oils** for perfect consistency



Ultra-low profile racing body included



RACING DESIGN  
**RUGGED**  
LUXURY  
**EXCITING**  
HERITAGE  
PREMIUM  
**TRUGGY**



1. Jason Branham

2. Mike McCrary

3. Rocco Margiotta



**U.S.**  
MONSTER TRUCK CHAMPIONSHIP  
DOMINATION

**XT8**  
1/8 LUXURY RACING TRUGGY

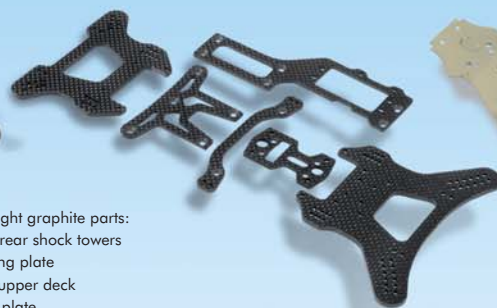


Big bore long alu shocks specially designed for Truggy



Lightweight graphite parts:

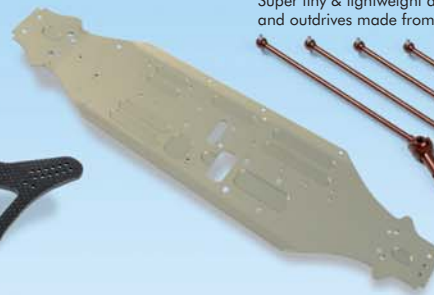
- front/rear shock towers
- steering plate
- front upper deck
- radio plate
- center diff plate



Super tiny & lightweight driveshafts and outdrives made from famous **Hudy Spring Steel™**



**Swiss 7075 T6** chassis with improved weight balance



Hard clutch springs



Fuel tank pressure cap with 1-pc profiled seal for perfect fitment



Longer engine mounts to reduce chassis bending



## HIGH-PERFORMANCE PARTS

Suspension holders allow complete geometry adjustment



Premium **Hudy Spring Steel™** adjustable turnbuckles



Super-long arms from special composite mixture for highest durability



Diff outdrives made from **Hudy Spring Steel™** specially ground for maximum precision



High-grade special steel clutchbell



Laser-cut, precision flat-ground ventilated steel brake disks



17mm **aircraft alu** wheel axles with +5mm offset



**Swiss 7075 T6** precision flywheel with alu 3-piece clutch shoe



Special truggy-designed diff gears made from specially-developed **HUDY®** steel for gears



Super-smooth, no-slip, high-durability differentials with heat-treated gears



## ACTIVE DIFF

Option only

Unique high-performance, adjustable front gear differential vastly improves the truggy's speed and handling characteristics. The special design of the internal components using different angled segments allows the diff gears to engage on-power to increase the forward traction and stability.



• XRAY Racing Truggy based on the **European Champion** off-road buggy • designed and developed by the world's **most admired** R&D team • pure racing design and premium luxury quality with highest performance • all parts specifically designed and developed for **Truggy-specific** high-performance suspension geometry, specific ultra-efficient drivetrain parts with optimal Truggy ratio • only **premium** and exclusive materials used throughout • exclusive **Hudy Spring Steel™** drivetrain parts for highest performance and unmatched lifespan • efficient C-hub suspension with innovative **I.A.C.** (Integrated Adjustable Caster™) • lightweight strong molded steering blocks with molded-in steel bushings (**XRAY innovation**) • fully adjustable suspension • front upper suspension featuring **I.S.S.** (Integrated Suspension Settings™) • ultra-low CG, all parts are centralized in chassis • optimized front/rear and left/right weight balance for perfect jumping • fully-independent, fully-adjustable suspension with full-time 4WD • ultra-lightweight high-tensile transmission parts hand made from special world-renowned top-secret self-developed **Hudy Spring Steel™** • drivetrain includes 22 precision rubber-sealed bearings for maximum efficiency and speed • ultra-precision front/rear and center diffs with **Hudy Spring Steel™** outdrives • pinions, spurs, crown gears and clutchbell manufactured by **HUDY®** • all new extra-long big-bore shocks for perfect handling on bumpy tracks and big jumps • all alu parts feature XRAY's stylish black finish with silver edging for luxurious touch • **laser-cut, precision-ground** steel brake disks for ultra-efficient fade-free braking • high-grip **Ferodo®** brake pads • **Hudy Spring Steel™** adjustable turnbuckles • **Swiss 7075 T6** hardcoated flywheel with aluminum clutch shoes • stylish XRAY Truggy body included made from lightweight **Lexan®** • tires not included



Racing body included

# XRAY T3 2011 specs

Designed for  
**LiPo**

1/10 LUXURY  
ELECTRIC TOURING CAR



PRESTIGE  
PURE RACING DESIGN  
**LUXURY**  
WORLD'S BEST  
WINNING PLATFORM

12K  
CAR OF  
THE YEAR

car action  
Reader's  
Choice Award

3X  
USA  
NATIONAL  
CHAMPION

US  
Snowbird  
NATIONAL  
WINNER

EEPA  
INTERNATIONAL INDOOR  
CHAMPION  
05'-06'-07'-08'-09'

6X  
EUROPEAN  
CHAMPION

200+  
NATIONAL  
CHAMPION  
TITLES

3X  
DHI CUP  
WINNER

8X  
LRC  
WINNER

2X  
ITC  
CHAMPION

6x Winner  
EURO  
TOURING SERIES



**USA**  
CHAMPION

Paul Lemieux

T3 2011  
1/10 LUXURY ELECTRIC TOURING CAR

#### LIPO OPTIMIZED



designed for the best balance of the car using the LiPo batteries

#### NEW DOUBLE STEERING SYSTEM



features a lower mounting position for steering linkage which makes the car handle easier going into corners

#### NEW CHASSIS



specifically designed for LiPo batteries, all the electronics is placed into the centerline

#### NEW SERVO SAVER



a unique servo saver position; in the absolute center of the chassis

#### NEW TOP DECK

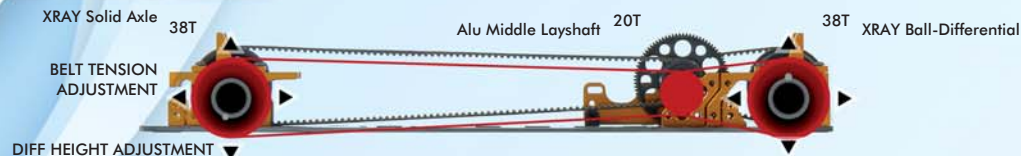


specifically designed to achieve maximum steering, traction, and cornering speed

### HIGH-PERFORMANCE PARTS



#### OPTIMIZED DRIVE TRAIN



- **LiPo** purpose-designed platform • **centrally-positioned dual steering system** • all-new suspension holder system for independent suspension arms mounting & more fine set-up adjustments • brushless motor mount 3mm more towards the centerline • all-new 1-piece top deck with unique layshaft composite holders mount top deck independently from the central layshaft bulkheads • optimized top deck **Multi-Flex™** • new narrow chassis layout, together with horizontal servo placement, creates centralized weight positioning • 38/20T (1.9) internal gearing for improved drivetrain efficiency and performance • more eccentric front and rear roll center holders with more inner camber link positions • steering blocks for more steering and higher cornering speeds • modified rear arms with extra roll bar positions • front and rear shock towers CNC-machined from 3mm graphite material with optimized shock positions • lighter, black-anodized Swiss 7075 T6 aluminum turnbuckles • super-consistent performance • ultra-lightweight bulkheads CNC-machined from **Swiss 7075 T6** aluminum • super-lightweight composite front Solid Axle with XRAY's own smart **Quick-change** outdrive system for easier and more comfortable outdrive exchange • new redesigned top deck for dual steering system was specially shaped to create more traction, stability and steering • premium-quality drive belts with **Kevlar®** reinforcement • servo saver positioned in absolute center of the chassis • compact front foam bumper made from lightweight, high-resilience foam • Rebuildable CVD driveshafts made from world-renowned, top-secret, self-developed **Hudy Spring Steel™**; world's tiniest yet most durable driveshafts hand ground for maximum precision • **Swiss 7075 T6** rear driveshafts • extra steering stands allow connection to steering system via top deck, making for a stiffer car and minimizing tire overheating on high-traction carpet tracks • front and rear diff height independent adjustment • long front & rear suspension arms for improved traction and easier handling • rear uprights with integrated 0° toe-in to prevent suspension geometry change in serious crashes and improved stability • alu middle layshaft with centrally-positioned spur gear for perfect balance • thick 6mm body posts • **7075 T6** aluminum wheel hubs • XRAY 4-step externally adjustable shocks • selected & matched racing springs • complete set of high-speed blue-sealed ball-bearings, degreased, lightly oiled for maximum efficiency, individually controlled, selected and inspected • fully adjustable front & rear suspension geometry: caster, camber, inboard/outboard toe, front dive, rear squat, ride height, downstops, track-width, roll center, wheelbase, Ackermann • **pure racing design**

#### Swiss 7075 T6 Aluminum Rear Drive Shafts



4-step externally-adjustable racing shocks w/ selected springs



High-speed blue covered ball-bearings manually selected

World's lightest, most durable driveshafts hand made from famous **Hudy Spring Steel™**



#### Swiss 7075 T6 Aluminum Turnbuckles



High-Performance Ultra-Narrow Kevlar Reinforced Drive Belts



#### Alu Quick Roll-Center Holder™ 4.9mm - L1 + L2

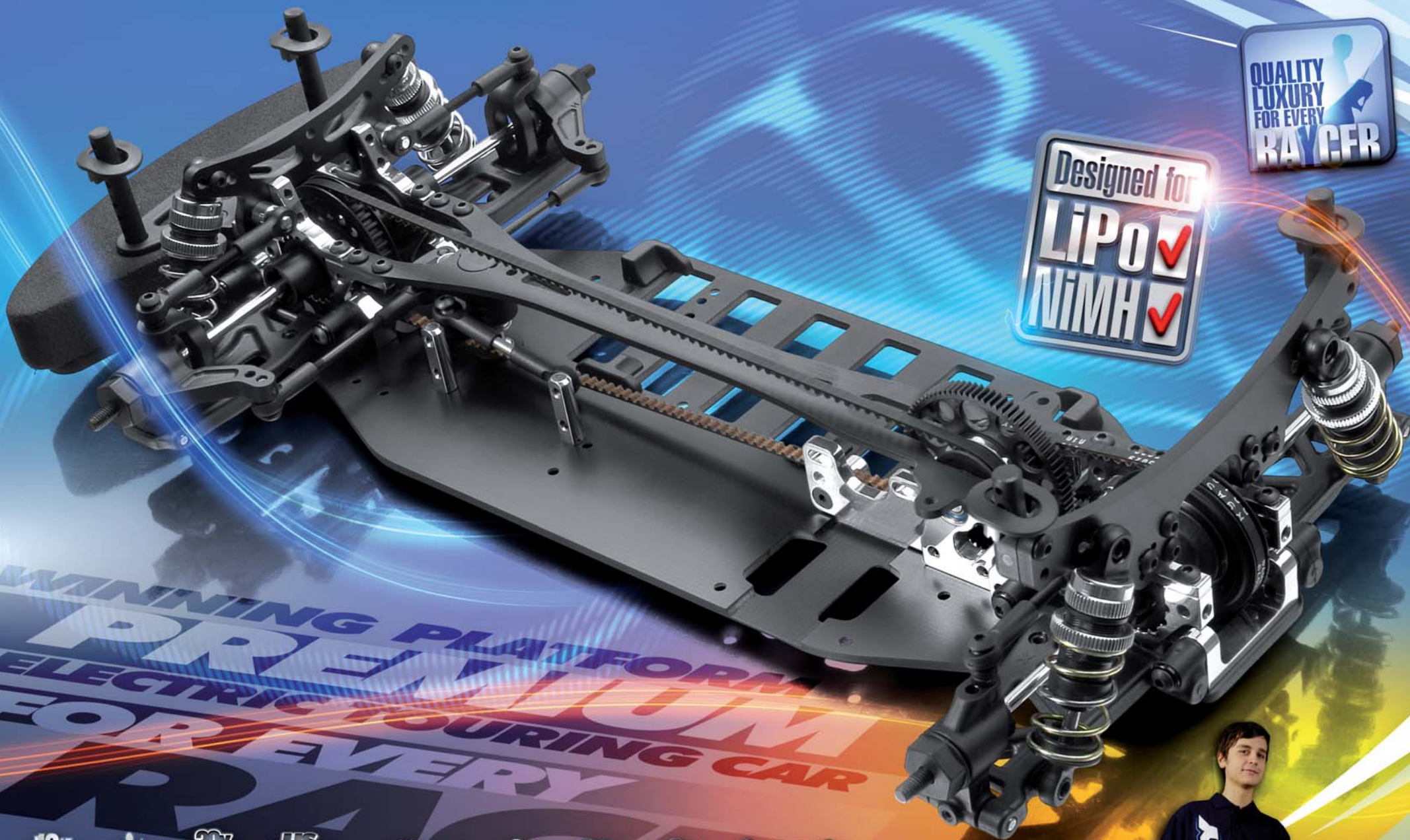


Super-lightweight drive axles made from famous **Hudy Spring Steel™**



Ultra-light **7075 T6** Swiss CNC-machined bulkheads with integrated belt tension adjustment





WINNING PLATFORM  
FOR EVERY  
RACING CAR



Alexander Hagberg

EUROPEAN JUNIOR CHAMPION  
WORLD CHAMPIONSHIP FINALIST

T3R

1/10 PREMIUM ELECTRIC TOURING CAR

## XRAY QUICK-SAVER™

Revolutionary fully-adjustable **Quick-Saver™** features 5 different integrated Ackermann positions



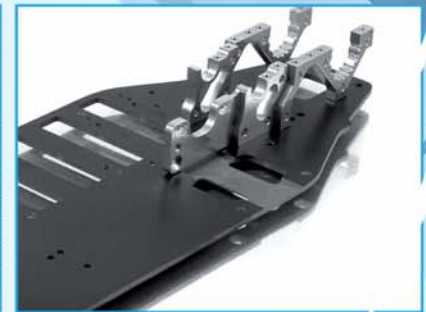
LiPo & brushless ready and optimized



Well proven XRAY front and rear suspension geometry



Fibre chassis, top deck and shock towers



Lowest ultra-lightweight Swiss 7075 T6 bulkheads

## HIGH PERFORMANCE PARTS

Lightweight Composite XRAY Solid Axle



Medium Steering Block (M)



Hard  
Rear Upright  
1" Toe-In (H)

Composite Ball-Differential



Medium C-hub  
Rubber Spec (M)

OPTIMIZED DRIVE TRAIN

38T

XRAY Ball-Differential

Alu Middle Layshaft

20T

38T

XRAY Ball-Differential

BELT TENSION  
ADJUSTMENT



DIFF HEIGHT ADJUSTMENT

The ultra-low touring car platform of the T3 has been carried over to the T3R to provide the world's lowest CG ever.

World's lightest, most durable wheel axles hand made from famous **Hudy Spring Steel™**



Swiss 7075 T6 aluminum drive shafts



High-speed blue covered ball-bearings manually selected



Ultra-light **7075 T6 Swiss** CNC-machined bulkheads with integrated belt tension adjustment



4-step externally-adjustable racing shocks w/ selected springs



- based on the ultra-successful, **award-winning**, and racing-dominating XRAY T3 platforms • **competition racing design** featuring well-proven suspension geometry, drivetrain, and parts — the whole racing platform of T3 cars! • majority of the parts being fully compatible and interchangeable among other T2-based cars • **LiPo-ready** with unique pads that raise the top deck to fit popular-sized LiPo battery packs • ultra-lightweight front and rear split bulkheads are CNC-machined from **Swiss 7075 T6** aluminum, allowing super-easy diff and layshaft access • super-light **Swiss 7075 T6** aluminum front & rear drive shafts • extra-durable drive axles manufactured from premium **Hudy Spring Steel™** • 38/20T (1.9) internal gearing for improved drivetrain efficiency and performance **Kevlar®** reinforced drive belts • 6-cell chassis design allows use of either 5- and 6-cell battery NiMH packs, or LiPo pack • high-quality composite rear ball differential featuring balls for super-smooth runs • super-light composite front Solid Axle with XRAY's own smart quick-change outdrive system for easy outdrive exchange; no servicing or replacement of drive shaft blades needed, translates into reduced servicing costs • motor mount bulkhead features the lowest possible motor mount position, compatible with stock, modified, and brushless motors • **XRAY Quick Roll-Centers™** • fully-adjustable **Quick-Saver™** features 5 different integrated Ackermann positions, positioned along chassis centerline • middle layshaft CNC-machined from aircraft aluminum • independent front & rear diff height adjustment • integrated front & rear belt tension adjustment • optimized suspension geometry and unique XRAY's own **well-proven mixture of composite materials** for optimum hardness yet flexibility of all suspension parts • medium hard C-hubs with integrated 4° caster (optional 2° and 6° caster blocks available) • rear uprights with integrated 1° toe-in • medium hard steering blocks with two Ackermann positions • front suspension arms allow 2mm adjustment of front arm position • front & rear shock towers machined from **extra-thick 3.0mm fibreglass** • front shock tower specially machined for ultra-low weight without compromising strength • front upper & lower composite bumper made from special composite to withstand hard impacts • compact front foam bumper made from lightweight, high-resilience foam • thick 6mm body posts • lower suspension alu holders with 3 different roll center positions • **ROAR, EFRA, and FEMCA** legal • XRAY 4-step externally adjustable shocks allow easy and quick adjustment; standard, non-adjustable shock pistons also included • shock absorber foam inserts for improved shock rebound • XRAY self-developed and manufactured **ultimate racing springs** are manually selected for maximum precision, equal length, and equal damping characteristics • hard 84T spur gear • composite battery backstops prevent battery movement on chassis • complete set of **high-speed blue-sealed ball-bearings**, degreased, lightly oiled for maximum efficiency, individually controlled, selected, and inspected



Body, electronics, tires, wheels, radio equipment are not included.

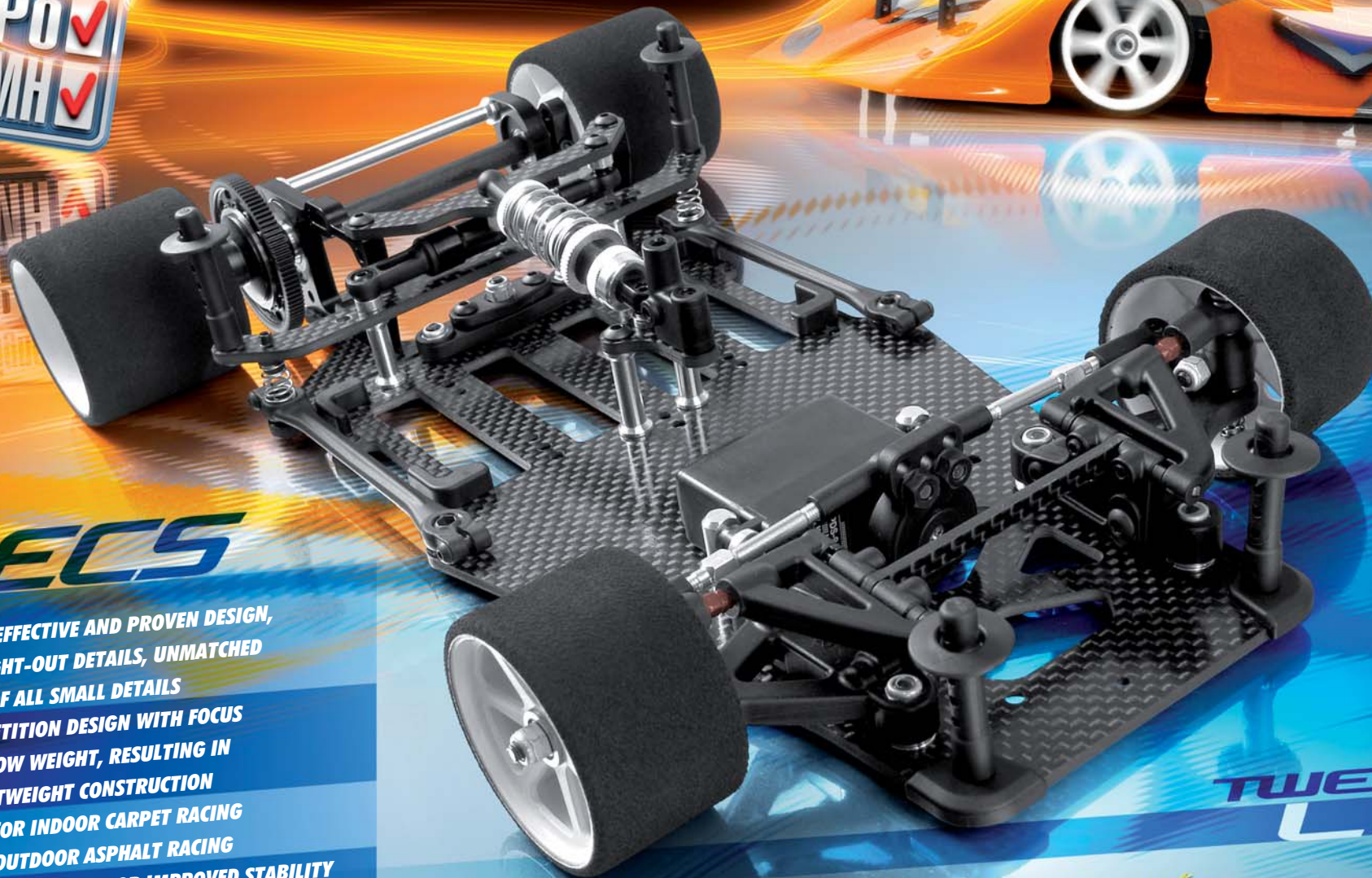


# LINK

- BASED ON T-BAR PLATFORM
- ALL-NEW PIVOT-BALL LINK REAR SUSPENSION THAT ALLOWS FOR INDEPENDENT ADJUSTMENTS OF CHASSIS ROLL, BUMP AND ALIGNMENT
- ALL-NEW SPECIALLY DESIGNED AND OPTIMIZED TO FIT LIPO BATTERIES AND BRUSHLESS MOTORS
- AUTHENTIC 100% SELF-DEVELOPED XRAY PARTS, DESIGNED AND MANUFACTURED PARTS BY XRAY IN EUROPE
- LEGENDARY XRAY PREMIUM DESIGN, WORKMANSHIP & MATERIAL QUALITY AND UNMATCHED ATTENTION TO THE FINEST DETAILS

## X10 LINK

1/10 PAN CAR



## SPECS

- SIMPLE YET EFFECTIVE AND PROVEN DESIGN, WELL THOUGHT-OUT DETAILS, UNMATCHED PRECISION OF ALL SMALL DETAILS
- HIGH-COMPETITION DESIGN WITH FOCUS ON ULTRA-LOW WEIGHT, RESULTING IN SUPER-LIGHTWEIGHT CONSTRUCTION
- OPTIMIZED FOR INDOOR CARPET RACING AS WELL AS OUTDOOR ASPHALT RACING
- PROLONGED WHEELBASE FOR IMPROVED STABILITY

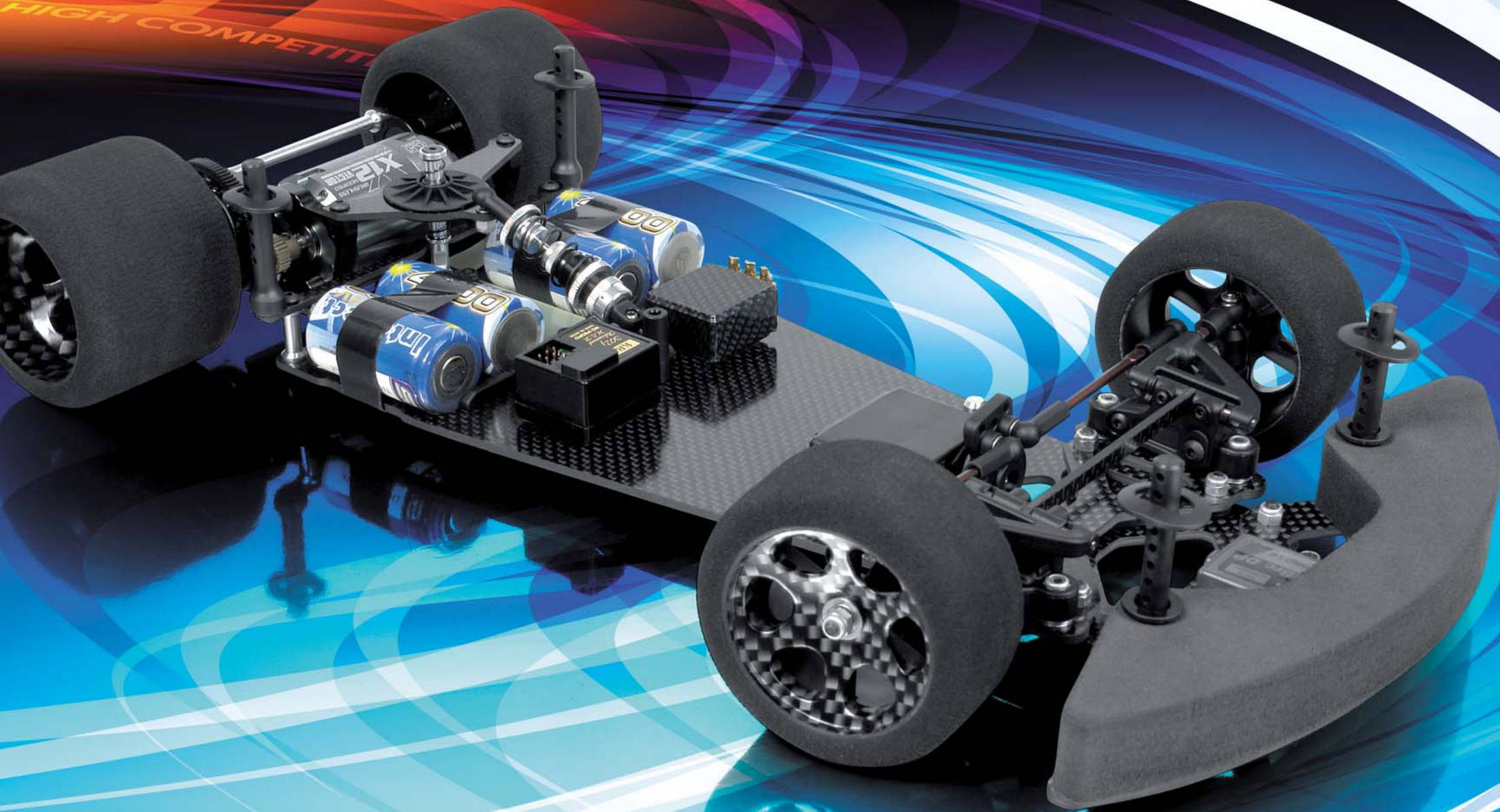
**X12L LINK**  
1/12 PAN CAR

**TWELVE  
LINK**

EUROPEAN  
JUNIOR INDOOR  
CHAMPION

**BRCA  
CHAMPION**

HIGHEST QUALITY  
**PAN CAR**  
GT  
HIGH COMPETITION



**X10**

1/10 PAN CAR GT



Conventional yet super effective rear suspension



Fully adjustable unique XRAY micro shock absorber

Unique T-bar mounting methods allow for two different settings:



• **Club race setting** – direct mounting of T-bar to chassis without front pivotball gives limited adjustment possibilities (recommended for beginner drivers)



• **Pro race setting** – pivotball mounting of T-bar to chassis for more advanced adjustment possibilities (recommended for advanced drivers)



Brushless and modified motor optimized

## HIGH-PERFORMANCE PARTS



Foam bumper

Fully adjustable T-bar

Fully-adjustable shock with aluminum hard anodized shock body

Ultra-light 7075 T6 Swiss CNC-machined bulkheads with integrated ride height adjustment

High-speed ball-bearings manually selected

Lightweight aircraft aluminum steering turnbuckles

Lightweight aluminum servo holders

Precision HUDY Spring Steel™ ball studs

Premium hand ground HUDY Spring Steel™ pivotballs

High-grade graphite chassis, front bumper, front brace, arm mount plates, rear brace, rear upper and lower pod plate

Premium HUDY Spring Steel™ wheel axles

Adjustable HUDY Spring Steel™ turnbuckles

Super-lightweight rear axle features 1-piece high-grade precision hand ground graphite rod, precision carbide balls, hardened and ground D-steel shims, and premium carbide axial thrustbearing.

Super lightweight aluminum wheel hubs, hard anodized

• **authentic 100% self-developed XRAY parts**, designed and manufactured parts by XRAY in Europe  
 • simple yet effective and proven design, well thought-out details, unmatched precision of all small details  
 • specially designed and **optimized for brushless and brushed motors** • graphite front chassis bumper and foam bumper • fully-adjustable body holders • easy front caster adjustment • **reactive caster adjustment** 2.5°, 5.0° or 7.5° • front ride height and front track-width adjustment • ultra-flat adjustable composite battery holders • adjustable fiberglass T-bar • chassis tweak adjustment • responsiveness adjustment • special 1-piece aluminum damper pad holder independently mounted to ensure equal left-right movement of rear pod • super-easy motor top access • eccentric composite bushings for ultra-fine rear ride height adjustment • **super-lightweight rear axle** made from 1-piece high-grade graphite rod, additionally precision hand ground to eliminate vibration and run-out • high-grade precision **carbide balls**, hardened and precision-ground D-steel shims, and premium 3x8mm **carbide axial thrustbearing** • easy rear track-width adjustment • rear pod weight balance adjustment



HIGHEST QUALITY  
XRAY  
PREMIUM HIGH COMPETITION  
RACING DESIGN



**XRAY**  
1/12 PAN CAR



**UK**  
DOUBLE CHAMPION

Elliott Harper

Unique T-bar mounting methods allow for two different settings:



• **Club race setting** – direct mounting of T-bar to chassis without front pivotball gives limited adjustment possibilities (recommended for beginner drivers)

• **Pro race setting** – pivotball mounting of T-bar to chassis for more advanced adjustment possibilities (recommended for advanced drivers)



Conventional yet super effective rear suspension

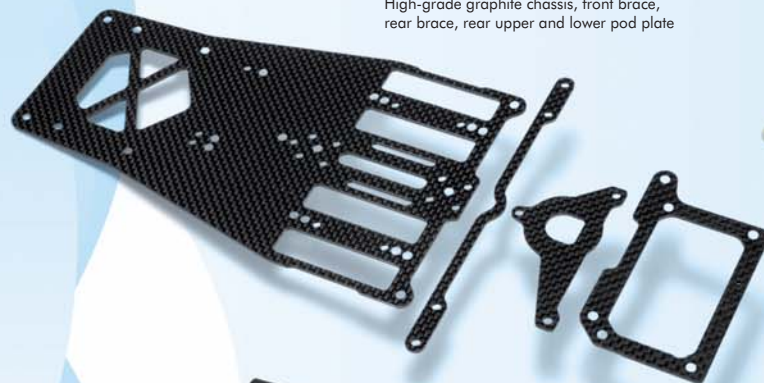


Fully adjustable unique XRAY micro shock absorber



Brushless and modified motor optimized

## HIGH-PERFORMANCE PARTS



High-grade graphite chassis, front brace, rear brace, rear upper and lower pod plate



Fully adjustable T-bar

Ultra-light 7075 T6 Swiss CNC-machined bulkheads with integrated ride height adjustment



High-speed ball-bearings manually selected



Premium hand ground HUDY Spring Steel™ pivotballs



Precision HUDY Spring Steel™ ball studs



Fully-adjustable shock with aluminum hard anodized shock body



Premium HUDY Spring Steel™ wheel axles



Super-lightweight rear axle features 1-piece high-grade precision hand ground graphite rod, precision carbide balls, hardened and ground D-steel shims, and premium carbide axial thrustbearing.



Super lightweight aluminum wheel hubs, hard anodized



Lightweight aircraft aluminum steering turnbuckles



Adjustable HUDY Spring Steel™ turnbuckles



• **authentic 100% self-developed XRAY parts**, designed and manufactured parts by XRAY in Europe • simple yet effective and proven design, well thought-out details, unmatched precision of all small details • specially designed and **optimized for brushless and brushed motors** • composite front chassis protectors • fully-adjustable body holders • easy front caster adjustment • **reactive caster adjustment** 2.5°, 5.0° or 7.5° • front ride height and front track-width adjustment • ultra-flat adjustable composite battery holders • adjustable fiberglass T-bar • chassis tweak adjustment • responsiveness adjustment • special 1-piece aluminum damper pad holder independently mounted to ensure equal left-right movement of rear pod • super-easy motor top access • eccentric composite bushings for ultra-fine rear ride height adjustment • **super-lightweight rear axle** made from 1-piece high-grade graphite rod, additionally precision hand ground to eliminate vibration and run-out high-grade precision **carbide balls**, hardened and precision-ground D-lock steel diff plates, and premium 3x8mm **carbide axial thrustbearing** • easy rear track-width adjustment • rear pod weight balance adjustment



**WORLD'S AFFINIST**

Teemu Leino



Designed for  
**LiPo**

**6X**  
USA  
NATIONAL  
CHAMPION

**2X**  
GERMAN  
CHAMPION

**M18 PRO**

1/18 LUXURY HIGH-COMPETITION 4WD RACING CAR



Robbie Dodge

**USA**  
CHAMPION

## MICRO TOURING CAR-TYPE WHEEL MOUNTING SYSTEM

One of the most significant improvements on the M18 PRO is the **new wheel mounting system**. The new M18 PRO features micro versions of standard touring car hex wheel hubs, which mount directly to the efficient universal drive shafts. **New-style wheels** fit onto the hex wheel hub and are secured with machined lightweight nuts.

This system not only improves the performance of the car and allows for solid wheel mounting, it also makes wheel changes very quick and easy.



Ultra-efficient 4WD shaft drive system transfers all the power through super smooth ball diffs



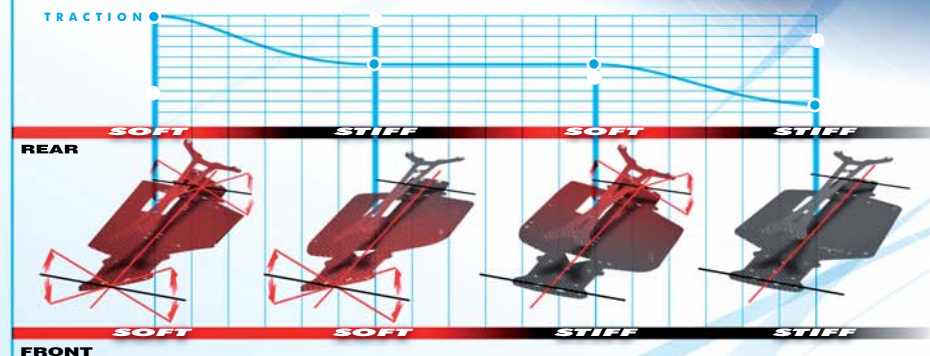
## HIGH-PERFORMANCE PARTS



## MULTI-FLEX™

XRAY **Multi-Flex Technology™** (MFT™) now revolutionizes the micro platform in the new M18 PRO.

With the **MFT™** top deck you can set up and adjust the M18 PRO for all different racing conditions. No matter if you drive on asphalt or carpet, using rubber or foam tires, you can quickly, easily, and independently adjust MFT™ points on the top deck – front or rear – to give you different flex characteristics. Tailoring a micro car to the track has never been this easy!



- new **high-competition** micro racing platform designed by legendary RC designer and XRAY's award-winning Chief Designer **Eng. Hudy Juraj**
- pure racing design & high-performance pedigree
- designed for high-competition brushed and brushless micro motors
- ultra-low center of gravity
- 4WD shaft-drive ultra-efficient drivetrain
- fully-independent front and rear suspension
- LiPo chassis CNC-machined from premium **1.6mm graphite**
- revolutionary **XRAY Multi-Flex Technology™** top deck allows independent front/rear flex adjustment
- new touring car-style hex hub wheel mounting system with aluminum wheel nuts
- new harder arms for more aggressive and sharper handling
- increased 6° caster for improved steering
- externally-adjustable smooth ball differentials front and rear (factory pre-assembled)
- adjustable downstops for precision setup
- reinforced steering blocks and rear uprights to better withstand hard impacts
- longer wheelbase for improved stability
- decreased rear toe-in for **higher top speed** and sharper handling
- premium **Swiss 7075 T6** aluminum universal adjustable motor holder
- drivetrain includes 16 high-speed, high-quality ball-bearings for maximum efficiency and speed
- ultra-true aluminum center drive shaft
- graphite battery strap holds batteries securely in the chassis
- battery stops ensure batteries will not move even in heavy crash
- coil-over shocks for **precise chassis handling**
- adjustable shock position for damping adjustment
- adjustable body posts, front and rear
- high-resilience lightweight front foam bumper and graphite bumper brace
- spring-loaded servo saver protects steering servo
- adjustable steering rod
- **premium foam tires**: 50deg front, 35deg rear for maximum stability and easy handling
- set of pinion gears for optimum gear ratio adjustment
- both 36T and 42T spur gear included
- lightweight high-performance racing body
- adjustable turnbuckle set for toe-in adjustment included



**LEGENDARY**  
RECORD SETTER  
**PRESTIGIOUS**  
SHAFT-DRIVE  
**MICRO** SIZE  
**UNIQUE**



**M18**  
1/18 4WD SHAFT-DRIVE MICRO CAR

Photo shows standard M18 model and fully-optioned M18



Adjustable shock positions front & rear



Fully-independent suspension front & rear



Precision steering system



RTR kit comes loaded with premium XRAY electronics

## HIGH-PERFORMANCE PARTS

High-resilience Foam Bumper



Front & Rear Coil-over Shocks



Adjustable Motor Mount



Aircraft Aluminum Main Drive Shaft



HUDY Phillips Screwdriver Included



16 High-speed Pre-oiled Ball-bearings



Rubber Tires with Inserts



Front & Rear Gear Differentials



Strong Composite Drive Shafts



Hudy Spring Steel™ Adjustable Steering Rod



## PREMIUM RTR ELECTRONICS

\* battery pack not included



XRAY XMC180 Speed Controller with reverse



XRAY Micro Stock Motor



XRAY XMS-01 Servo Metal-Geared



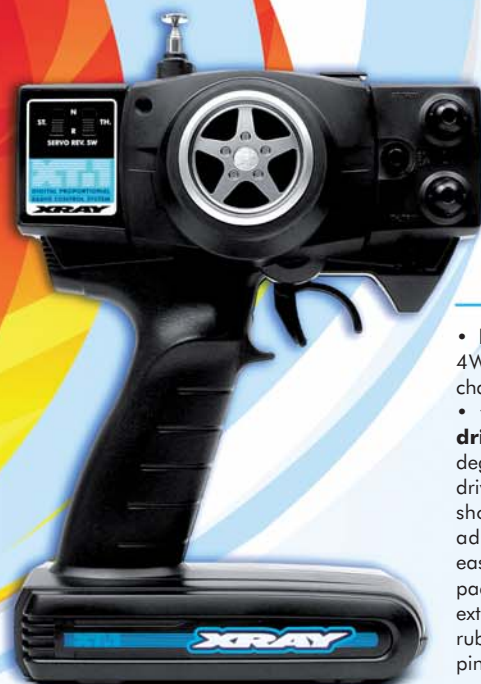
XRAY XR1 Receiver 3-channel

- **high-performance** micro electric on-road car • 1/18 scale • 4WD shaft-drive • accepts standard-size electronics • racing characteristics of 1/10 touring cars • ultra low center-of-gravity (CG) • front and rear gear differentials • **maximum efficiency drivetrain** includes 16 high-speed ball-bearings • ball-bearings degreased and lightly oiled for maximum speed • aluminum main drive shaft • fully-independent front and rear suspension • coil-over shocks for precision dampening • adjustable shock positions • adjustable downstops • **Hudy Spring Steel™** steering rod • easily-adjustable motor mount • chassis accommodates 5-cell battery pack • adjustable body posts • high-resilience front foam bumper • extensive line of micro electronics and optional parts from XRAY • rubber tires + wheels included • 1/18 micro racing on-road body • pinion set for proper gearing adjustment included • **HUDY phillips screwdriver** for comfortable assembly (included in kit only) • model available as kit (#380000) or as complete RTR (#380040)

## EXOTIC RTR PAINT SCHEMES



RTR bodies are available in red, orange, blue and green paint scheme and come completely trimmed



Premium XRAY XT1 Transmitter

HIGH-COMPETITION DESIGN  
IMPROVED HANDLING  
MORE STABLE  
16MM LONGER WHEELBASE  
GRAPHITE LAYOUT  
FULL GRAPHITE CHASSIS  
IMPROVED JUMPING CAPABILITY  
EASIER TO DRIVE

CLIMB IT  
DRIVE IT

XRAY is pleased to present the improved and refined M18T PRO - based on the legendary M18T platform, but redesigned with high-performance racing in mind. The M18T PRO's progressive design embodies an enhanced driving experience from the purpose-built performance graphite chassis... to the unique Hudy Spring Steel™ drive shafts ... to the smooth externally-adjustable ball diffs.

The M18T PRO was borne of racing DNA  
to challenge your racing skills on any track.

High performance. Micro size. Undeniably XRAY.

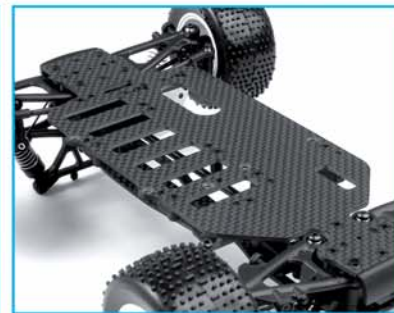
USA  
CHAMPION

**M18T PRO**  
1/18 LUXURY HIGH-COMPETITION ELECTRIC TRUCK

High competition micro truck racing platform



Ultra-efficient 4WD shaft drive system transfers all the power through the lightweight **graphite center shaft**



6 cell chassis from **high grade graphite** material



Adjustable shock positions front & rear

## HIGH-PERFORMANCE PARTS



Adjustable toe-in turnbuckles



Graphite center shaft



Adjustable ball differentials



Set of high-speed ball bearings



Low profile pin rubber tires



Tough composite suspension arms



Servo saver



Set of pinions



**Hudy Spring Steel™**  
drive shafts



Nickel-plated pivot balls



Composite spur gear



Steel spur gear



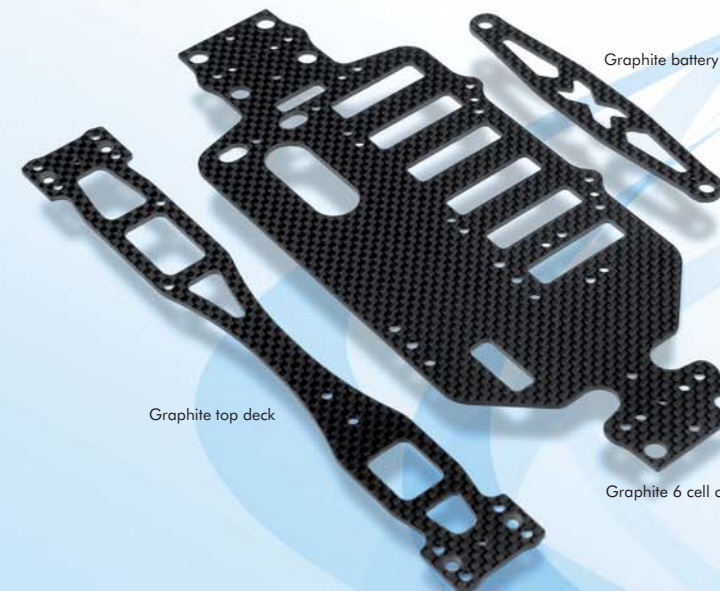
Front & rear anti-roll bars



Alu motor holder



Coil-over oil shocks



Graphite top deck

Graphite battery holder

Graphite 6 cell chassis

• new **high-competition** micro racing platform designed by legendary RC designer and XRAY's award-winning Chief Designer **Eng. Hudy Juraj** • pure racing design & high-performance pedigree • designed for high-competition brushed and brushless micro motors • full graphite layout • 16mm longer wheelbase for improved handling and improved jumping capability • easier to drive and ready to race in high competition races • ultra-low center of gravity • premium 4x **Hudy Spring Steel™** drive shafts • 4WD shaft-drive ultra-efficient drivetrain • fully independent front and rear suspension • 6 cell in-line chassis CNC-machined from premium **2.0mm graphite** • tough composite suspension arms for more aggressive and sharper handling • externally-adjustable smooth ball differentials front and rear (factory pre-assembled) • reinforced steering blocks and rear uprights to better withstand hard impacts • longer wheelbase for improved stability • adjustable turnbuckle set for toe-in adjustment • premium **Swiss 7075 T6** aluminum universal adjustable motor holder • drivetrain includes 16 high-speed, high-quality ball-bearings for maximum efficiency and speed • ultra-true graphite center drive shaft • graphite battery strap holds batteries securely in the chassis • graphite top deck • battery stops ensure batteries will not move even in heavy crash • coil-over oil filled shocks for **precise chassis handling** • adjustable shock position for damping adjustment • spring-loaded servo saver protects steering servo • adjustable steering rods • low profile pin rubber tires with soft foam inserts • set of pinion gears for optimum gear ratio adjustment • both composite and steel spur gears included • lightweight high-performance racing body • nickel-plated pivot balls • front & rear anti-roll bars included • centrally positioned steering system

**M18T**  
1/18 LUXURY MICRO ELECTRIC TRUCK

**MICRO SIZE**

JUMP IT. CLIMB IT. DRIVE IT.

THRILLING  
POWERFUL  
PREMIUM QUALITY



**M18MT**  
1/18 LUXURY MICRO ELECTRIC MONSTER TRUCK

**USA**

Zack Barry



Premium XRAY XT1  
Transmitter



Multiple shock positions



Precision steering system



Fully-independent suspension front & rear



4WD shaft-drive transmission system

## PREMIUM RTR ELECTRONICS

\* battery pack not included

XRAY 370 Supersize Motor



XRAY XR1 Receiver  
3-channel



XRAY XMS-01 Servo  
Metal-Geared



XRAY XMC300R  
Speed Controller with Reverse

## HIGH-PERFORMANCE PARTS

Adjustable Motor Mount



Low Pin Rubber tires + Racing  
Dish Wheels for M18T



Large Chevron Pattern Monster  
Tires + Starburst Wheels for M18MT



Adjustable Ball Differentials



Aircraft Aluminum  
Main Drive Shaft



Pinion Gears  
Set (4)



22 High-Speed Pre-oiled Ball-bearings



Adjustable **Hudy Spring Steel™**  
Steering Rods



Oil-filled Coil-over Shocks



Universal-joints Drive Shafts



CHAMPION

• high-performance micro electric truck • 1/18 scale • 4WD shaft-drive • accepts standard-size electronics • easy to handle in any conditions • central, ball-bearing supported steering system • **externally-adjustable ball differentials** front and rear factory preassembled for smooth operation • maximum efficiency drivetrain includes **22 high-speed ball-bearings** • ball-bearings degreased and lightly oiled for maximum speed • aluminum main drive shaft • fully-independent front and rear suspension • front and rear anti-roll bars included (M18T) • oil-filled coil-over shocks for **precision dampening** • adjustable shock positions • optimized suspension down- and up-travel • adjustable front toe-in (rear optional) • **Hudy Spring Steel™** steering rods • rugged servo saver • easily-adjustable motor mount • chassis accommodates 5- or 6-cell battery packs • extensive line of micro electronics and optional parts from XRAY • set of low pin rubber tires + wheels (M18T) or set of large monster tires + wheels (M18MT) • 1/18 micro racing truck body • pinion set for proper gearing adjustment included • HUDY Phillips screwdriver for comfortable assembly included (in kit only)





WORLD'S FIRST  
WORLD'S SMALLEST  
LIKE EVERYTHING YOU'VE NEVER SEEN!  
PREMIUM QUALITY  
MICRO NITRO  
EXCITING REVOLUTIONARY  
SUPER FAST

**NT18**  
1/18 LUXURY MICRO NITRO CAR

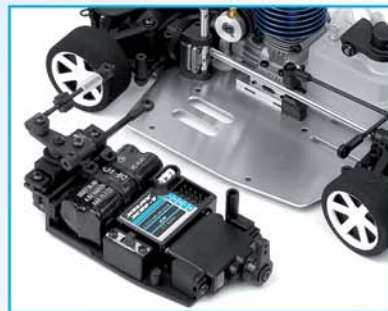
INCREDIBLY  
HIGH SPEEDS **50** MPH



Fully-independent rear suspension



Fully-independent front suspension for precise and responsive handling



One-piece moulded radio tray allows easy quick access to radio equipment



Unique chassis design allows easy flex adjustment

## PREMIUM ELECTRONICS



**HUDY**  
START-BOX

Receiver Battery Pack



Micro Switch



2x XRAY XMS-01 Servo  
Metal-Geared



## MICRO ENGINE

- uses standard model car fuel
- standard glowplug design
- durable construction
- large, billet blue anodized aluminum heatsink
- dual-needle, adjustable alu slide carburetor
- 2-shoe aluminum clutch
- T6 aluminum flywheel
- polished muffler
- HUDY steel 23T clutchbell

- high-performance micro car • 1/18 scale • 4WD shaft-drive
- powerful 0.8cc nitro engine • uses standard model car fuel
- accepts standard electronics • **super fast (50+ km/h)** • easy to handle • CNC-machined aluminum engine mounts • aluminum slide carburetor • aluminum flywheel • **HUDY steel clutchbell 23T** • CNC-machined alu clutch shoes • polished muffler • silicone fuel tubing • **Swiss T6 7076** CNC-machined chassis • 1-piece moulded radioplate • high-resilience foam bumper • high-efficiency drivetrain featuring **22 high-speed ball-bearings** • ball-bearings degreased and lightly oiled for maximum speed • precision moulded front and rear gear differentials • adjustable brake • laser cut, **hand-ground** steel brake disk • **Ferodo** brake pads for strong fade-free braking power • aluminum main drive shaft • 30cc fuel tank w/ hypertonic lid & internal stone-type filter • pre-mounted foam tires for maximum stability • fully-independent suspension • 12° pre-set front caster • adjustable shock positions • adjustable downstops • coil-over shocks • adjustable front & rear toe-in (optional) • **Hudy Spring Steel™** steering rod • rugged servo saver • 1/18 on-road body included • low CG • model available without electronics or with premium XRAY electronics (2x metal geared servo, receiver battery pack, switch & HUDY Start Box)



MADE IN JAPAN

## HIGH-PERFORMANCE PARTS

4x Coil-over Shocks



Adjustable **Hudy Spring Steel™**  
Steering Rod



Pre-Mounted Foam  
Tires Front & Rear



Aircraft Aluminum Drive  
Shaft with Spur Gear



Precision Gear Differentials



22 High-Speed  
Pre-oiled Ball-Bearings

## IT'S MICRO, IT'S NITRO, IT'S XRAY



WORLD'S FIRST  
WORLD'S SMALLEST  
MICRO NITRO  
EXCITING

MANUFACTURED  
& ASSEMBLED  
IN EUROPE

THINK  
LUXURY

**NT118T**  
1/18 LUXURY MICRO NITRO TRUCK



INCREDIBLY  
HIGH SPEEDS **50** KM/H



Premium XRAY XT1  
Transmitter



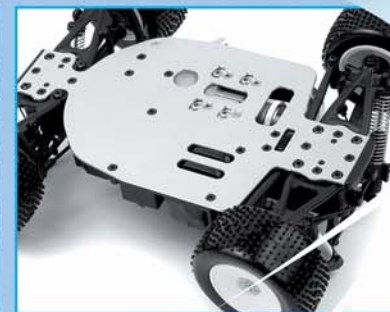
Easy access to rear linkage allows  
quick adjustments for fine tuning



Fully-independent suspension front & rear  
for precise and responsive handling



One-piece moulded radio tray allows  
easy quick access to radio equipment



CNC-machined chassis with  
undercover for spur gear

## PREMIUM RTR ELECTRONICS



**HUDY**  
START-BOX



Receiver Battery Pack

2x XRAY XMS-01 Servo  
Metal-Geared

Micro Switch

XRAY XR1 Receiver  
3-Channel

## HIGH-PERFORMANCE PARTS

4x Oil-filled Coil-over Shocks



Low Pin Rubber Tires + Racing  
Dish Wheels



Adjustable Ball Differentials



Adjustable **Hudy Spring Steel™**  
Steering Rods



HUDY Phillips  
Screwdriver Included



Aircraft Aluminum Drive  
Shaft with Steel Spur Gear



26 High-Speed  
Pre-oiled Ball-bearings



## MICRO ENGINE

- uses standard model car fuel
- standard glowplug design
- durable construction
- large, billet blue anodized aluminum heatsink
- dual-needle, adjustable alu slide carburetor
- 2-shoe aluminum clutch
- T6 aluminum flywheel
- polished muffler
- HUDY steel 16T clutchbell

- high-performance micro nitro truck • 1/18 scale • 4WD shaft-drive •
- powerful 0.8cc nitro engine • uses standard model car fuel • accepts
- standard electronics • **super fast (50+ km/h)** • easy to handle in any
- conditions • CNC-machined aluminum engine mounts • aluminum slide
- carburetor • aluminum flywheel • **HUDY steel clutchbell** •
- CNC-machined alu clutch shoes • polished muffler • 30cc fuel tank w/
- hypertonic lid & internal stone-type filter • silicone fuel tubing • **Swiss**
- T6 7076** CNC-machined chassis • 1-piece moulded radioplate • top
- deck for maximum stability • central, ball-bearing supported steering
- system • externally-adjustable ball differentials front and rear factory
- preassembled for smooth operation • high-efficiency drivetrain
- featuring 26 high-speed ball-bearings • ball-bearings degreased and
- lightly oiled for maximum speed • adjustable brake • laser cut,
- hand-ground steel brake disk • **Ferodo®** brake pads for strong,
- fade-free braking power • aluminum main drive shaft • steel spur gear
- for dusty tracks • low CG • fully-independent suspension • front and rear
- anti-roll bars • **oil-filled coil-over shocks** for precision dampening
- adjustable shock positions • optimized suspension down- and up-travel
- adjustable front toe-in (rear optional) • **Hudy Spring Steel™** steering
- rods • rugged servo saver • 36pc nickel-coated steel pivot balls
- throughout the suspension • racing style dish wheels • rubber low pin
- tires with foam inserts • 1/18 racing truck body included • HUDY Phillips
- Screwdriver included • model available as a kit or as complete RTR • kit
- available with or without electronics



MADE IN JAPAN

## IT'S MICRO, IT'S NITRO, IT'S XRAY



# LUXURY RTR

WORLD'S SMALLEST

DIRT

FUN

INSANE  
POWER

MICRO NITRO  
READY TO RACE

MANUFACTURED IN EUROPE  
& ASSEMBLED IN EUROPE

## NT18MT

1/18 LUXURY MICRO NITRO MONSTER TRUCK



INCREDIBLY  
HIGH SPEEDS **50** KM/H



Premium XRAY XT1  
Transmitter



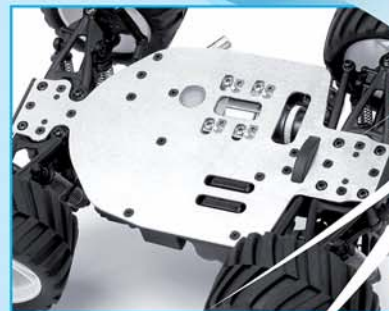
Easy access to rear linkage allows  
quick adjustments for fine tuning



Fully-independent suspension front & rear  
for precise and responsive handling



One-piece moulded radio tray allows  
easy quick access to radio equipment



CNC-machined chassis with  
undercover for spur gear

## PREMIUM RTR ELECTRONICS



**HUDY**  
START-BOX



Receiver Battery Pack



2x XRAY XMS-01 Servo  
Metal-gear

XRAY XR1 Receiver  
3-Channel



Micro Switch

## MICRO ENGINE

- uses standard model car fuel
- standard glowplug design
- durable construction
- large, billet blue anodized aluminum heatsink
- dual-needle, adjustable alu slide carburetor
- 2-shoe aluminum clutch
- T6 aluminum flywheel
- polished muffler
- HUDY steel 23T clutchbell



MADE IN JAPAN

• high-performance micro monster truck • 1/18 scale • 4WD shaft-drive • powerful 0.8cc nitro engine • uses standard model car fuel • accepts standard electronics • **super fast (50+ km/h)** • easy to handle in any conditions • CNC-machined aluminum engine mounts • aluminum slide carburetor • aluminum flywheel • **HUDY steel clutchbell** • CNC-machined alu clutch shoes • polished muffler • 30cc fuel tank w/ hypertonic lid & internal stone-type filter • silicone fuel tubing • **Swiss 7075 T6** CNC-machined chassis • 1-piece moulded radioplate • top deck for maximum stability • central, ball-bearing supported steering system • externally-adjustable ball differentials front and rear factory preassembled for smooth operation • high-efficiency drivetrain featuring **26 high-speed ball-bearings** • ball bearings degreased and lightly oiled for maximum speed • adjustable brake • laser cut, **hand-ground** steel brake disk • **Ferodo®** brake pads for strong, fade-free braking power • aluminum main drive shaft • steel spur gear for dusty tracks • low CG • fully-independent suspension • 8x oil-filled coil-over shocks for precision dampening • adjustable shock positions • optimized suspension down- and up-travel • adjustable front toe-in (rear optional) • **Hudy Spring Steel™** steering rods • rugged servo saver • 36pc nickel-coated steel pivot balls throughout the suspension • large Chevron pattern monster tires • XRAY Starburst monster wheels • 1/18 monster body included • model available only as an RTR featuring premium XRAY electronics (radio, receiver, 2x metal geared servo, receiver battery pack, switch & HUDY Micro Start Box)

## HIGH-PERFORMANCE PARTS

8x Oil-filled Coil-over Shocks



Adjustable **Hudy Spring Steel™**  
Steering Rods

Micro Monster Truck Tires Chevron Pattern  
+ Starburst Wheels



Aircraft Aluminum Drive  
Shaft with Steel Spur Gear

Adjustable Ball Differentials



26 High-speed  
Pre-oiled Ball-bearings

## EXOTIC RTR PAINT SCHEMES

RTR bodies are available in red, orange, blue and green paint scheme and come completely trimmed



# OPTION PARTS FOR NT1

(RC Driver, USA)

"The NT1 has all the characteristics of a typical XRAY product from the great quality and design to the awesome handling."

"If you're looking for the next step to that first-place podium finish, then definitely take a look at the NT1."

"It is sure to bring every racer to the top of their game."

(Radio Race Car, UK)

"XRAY have definitely developed a top level 200 mm I/C touring car into a sure fire winner.."

( Xtreme RC Cars, USA )

"Still XRAY has to be one of the most determined companies, and when they enter a market, they go in with the goal of making the best. The NT1 is what we've come to expect from XRAY: high quality and high performance."

"XRAY's engine mount system is awesome."

## Alu Belt Pulley



- #335910 2-speed 20T - Center - Set
- #335928 18T - 2-speed-side - Set
- #335959 19T - Mid-center - Set
- #335985 25T - Mid-side - Set
- #335986 26T - Mid-side - Set

## XCA Clutch Set

#338501  
XCA (XRAY Centrifugal-Axial)  
Clutch Set High Dynamic



## Super-Light Solid Axle

#335180 XRAY Super-Light  
Solid Axle Set Hudy Spring Steel™



## XRAY MULTI-DIFF™

#335100 XRAY Multi-Diff™  
• one-way  
• solid one-way  
• solid axle



## Engine Mount



#338716  
Brass 1-piece Engine Mount



#338713  
Alu Monoblock Engine Mount

## Brake Disk Adapter



#334141  
Lightweight Brake Disk Adapter  
Swiss 7075 T6

## Multi-Flex™



#338712  
Multi-Flex™  
1-Piece Engine  
Mounting System  
Swiss 7075 T6  
+ Graphite Braces

## Anti-roll bar



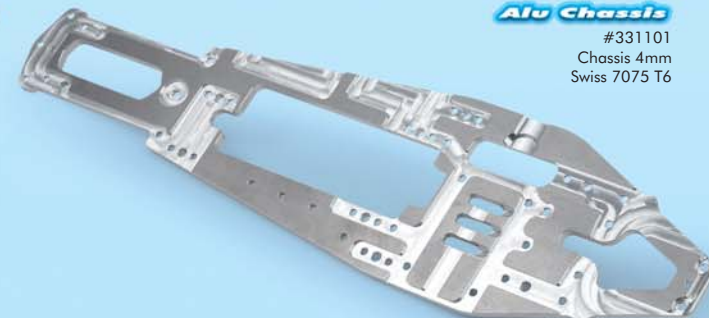
#332401  
Downstop Independent  
Alu Front Anti-roll Bar

## Drive Flange

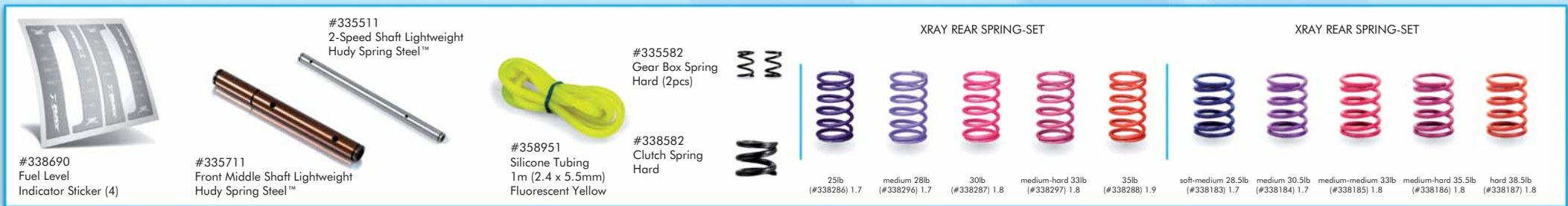
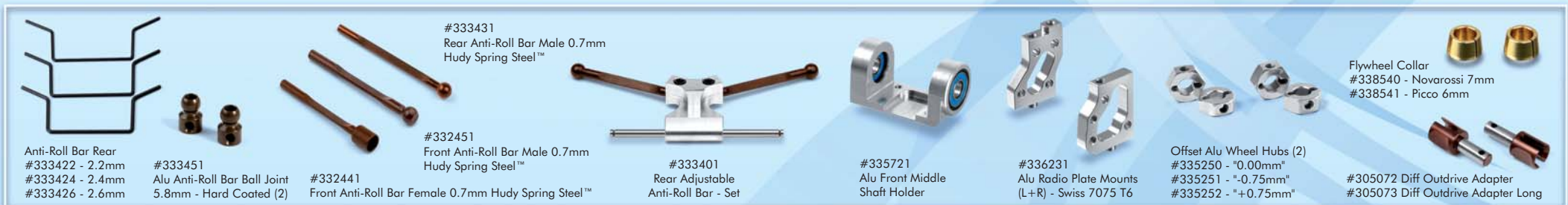


#335531  
Lightweight Drive Flange  
with One-Way Bearing  
Alu Swiss 7075 T6

## Alu Chassis



#331101  
Chassis 4mm  
Swiss 7075 T6



# OPTION PARTS FOR 1/10 TOURING CARS



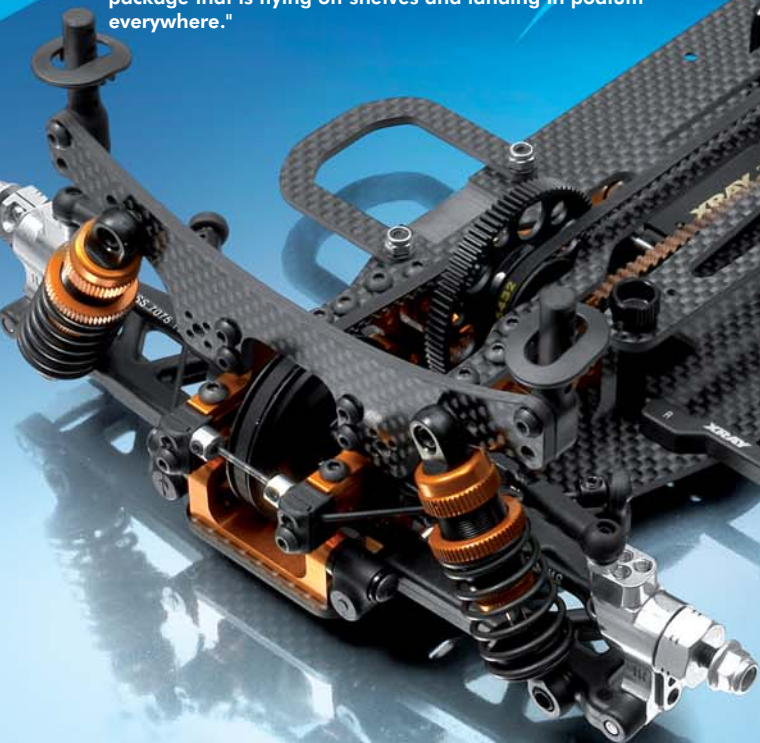
Xtreme (USA)

"Like a fighter jet, the XRAY was so easy to drive at high speeds that I could fly through slower lapped traffic on the straights without letting off the trigger."

R/C Car (USA)

"If you are searching for that perfect touring car, XRAY can be it with no questions asked."

"It combines everything a performance oriented racer could want, including quality, performance, and price into a package that is flying off shelves and landing in podium everywhere."



Car Action (USA)

"I'll be sticking with my XRAY. I'm faster with it, and it's the easiest car to work on that I've ever owned."

"I can't imagine a car that's easier to work on. Everything is very accessible. Tuning adjustment and repairs couldn't be any easier."

Racer (UK)

"This is just about the best touring car I have ever driven - even with standard settings, the XRAY was fast..."

## Alu Upper Clamp

#302028-O  
T3 Alu Upper Clamp  
With Adj. Roll-center (L+R) - Orange



## ECS Drive Shaft

ECS Hudy Spring Steel  
#305325 - 50mm  
#305327 - 52mm



## Alu C-hub Block

#302334 - 0° right,	#302334 - 0° left
#302335 - 2° right,	#302336 - 2° left
#302337 - 4° right,	#302338 - 4° left
#302339 - 6° right,	#302340 - 6° left



## Alu Rear Uprights

#303358 - 1° outboard toe L+R  
#303359 - 2° outboard toe L+R  
Including Composite Bushings and Ball Bearings



## XRAY MULTI-DIFF™

#305105 XRAY Multi-Diff™ T3 LiPo  
• one-way  
• solid one-way  
• solid axle



## Ball Differentials



#305003  
Alu Ball Differential  
Hard Coated Swiss 7075 T6  
features 34T + 38T pulley

## Solid Axle

Composite Solid Axle  
#305184 - 34T Foam-Spec  
#305188 - 38T Rubber-Spec



#305136  
Alu Solid Axle Driveshaft Adapters (2)  
Hard Coated

## Alu Steering Block

#302256 Alu Steering Block L/R  
Including Composite Bushings and Ball Bearings



#306163-K  
Graphite Battery Strap with  
Alu Stands - Black

#308332  
Composite Shock Parts  
Rebound Hole - Short

#301203  
Impact Absorbing  
Bumper

#301213  
Graphite Bumper  
Upper Holder

#301223  
Foam Bumper Hard

Front Suspension Arm

2-hole  
#302165 - Hard  
#302166 - Extra-Hard

1-hole  
#302163 - Hard  
#302164 - Extra

Rear Suspension Arm

2-hole  
#303165 - Hard  
#303166 - Extra-Hard

1-hole  
#303163 - Hard  
#303164 - Extra

#303061  
LiPo Chassis Graphite Motor Guard

Rear Anti Roll Bar

#303481 - 1.1mm  
#303482 - 1.2mm  
#303483 - 1.3mm

Front Anti Roll Bar

#303484 - 1.4mm  
#303485 - 1.5mm  
#303486 - 1.6mm

Drive Shafts

Alu 7075 T6  
#305328 - 50mm  
#305326 - 52mm

Hudy Spring Steel

#305323 - 50mm  
#305324 - 52mm

#306186  
Alu Lipo Battery Backstop (F+R)

#302515  
Alu Dual Servo Saver Arm (L+R)

Offset Wheel Hubs (2)

#305352  
"+0.75mm"

#305380  
Offset Shims  
"+0.75mm"

#305351  
"-0.75mm"

#305353  
"+1.5mm"

#305778 & #305781  
Offset Spur Gear 1/48" 78T & 81T  
#305784-305799  
Spur Gear 1/48" 84T to 99T  
#305862-305888  
Offset Spur Gear 1/64"  
92T to 118T

T2 platform accepts  
largest 93T spur gear

#305968-306000  
Narrow Alu Pinion Gear  
Hard Coated 64pitch 18T to 50T

#305912-305934  
Narrow Alu Pinion Gear  
Hard Coated 48pitch 12T to 34T

#303071  
Belt Tensioner Set

Composite C-hub Block  
Medium - Rubber-Spec

#302361 - 2° right, #302362 - 2° left  
#302363 - 4° right, #302364 - 4° left  
#302365 - 6° right, #302366 - 6° left

Composite C-hub Block  
Hard - Foam-Spec

#302371 - 2° right, #302372 - 2° left  
#302373 - 4° right, #302374 - 4° left  
#302375 - 6° right, #302386 - 6° left

Steering Block (1pcs)  
#302252 - Medium  
#302253 - Hard

Rear Composite Upright 1° Toe-In (1pcs)

#303351 - Right - Medium 2-hole  
#303361 - Left - Medium 2-hole  
#303353 - Right - Hard 2-hole  
#303363 - Left - Hard 2-hole

Rear Composite Upright 0° Toe-In (1pcs)

#303352 - Medium 2-hole  
#303354 - Hard 2-hole  
#303362 - Medium - 1-hole  
#303364 - Hard - 1-hole

Precision Balancing Chassis Weights

#309840  
Balancing Weights (4pcs)

#309850  
Balancing Weights Central

#309853  
T3 LiPo Weight Center 20g  
#309854  
T3 LiPo Weight Center 30g

#302665  
Composite Ball Joint 4.9mm - Closed With Hole (4)

#302661  
Composite Ball Joint - Closed (4pcs)

Higher Body Mount Sets

#301323 - Front +1mm  
#301324 - Front +2mm  
#301333 - Rear +1mm  
#301334 - Rear +2mm

#303440  
Alu Anti-Roll Bar Collar  
(2pcs)

#930238  
Ceramic Ball Bearing Axial  
F3-8 3x8x3.5

#303035  
Alu Quick Roll-center Holder™  
4.9mm - H1 + H2

#930220  
Ceramic Ball  
2.4mm (12)

Ball End 4.9mm  
#302653 - with 6mm thread  
#302654 - with 8mm thread  
#302655 - with 10mm thread

#30 8390 XRAY Selected Ultimate Racing Springs (24)

soft 17.5lb  
(#30 8394) 1.5

medium 28lb  
(#30 8396) 1.7

hard 38lb  
(#30 8398) 1.9

super-soft 14lb  
(#30 8393) 1.4

soft-medium 22.5lb  
(#30 8395) 1.6

medium-hard 33lb  
(#30 8397) 1.8

#30 8380 Additional XRAY Ultimate Racing Springs (20)

20lb  
(#30 8385) 1.6

30lb  
(#30 8387) 1.8

14lb  
(#30 8382) 1.4

15lb  
(#30 8384) 1.5

25lb  
(#30 8386) 1.7

35lb  
(#30 8388) 1.9

17.5lb  
(#30 8383) 1.5

(#30 8373)  
c=2.2

(#30 8374)  
c=2.4

(#30 8375)  
c=2.6

(#30 8376)  
c=2.8

(#30 8377)  
c=3.0

(#30 8378)  
c=3.2

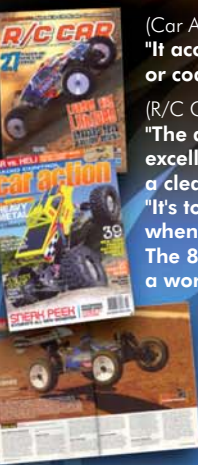
(#30 8379)  
c=3.4

#308031-O  
Alu Xray Shock Spring  
Retaining Collar - Orange (4)

#308306-O  
Alu Shock Absorber - Orange  
(2pcs) (Springs not included)

The parts listed on this page will fit the T3, T3R, T2, T2'009, T2'008 and T2R. However, to use some parts may require the use of some other parts, therefore if you are not familiar with all the specifications we suggest that you contact your nearest XRAY Authorized Dealer to receive complete information. Or you may visit [www.teamxray.com](http://www.teamxray.com) where you will find complete information and specifications list. On the XRAY Web site you will also find all the latest and newest option parts, as well as more information about previous models (T1, T1EVO2, T1FK, T1FK'05, T2'007) on which the different option parts may fit.

# OPTION PARTS FOR 808



(Car Action, USA)

"It accelerates hard and carries excellent corner speed, whether you're on the gas on exit or coasting as you enter a 180."

(R/C Car, USA)

"The damage report throughout testing has been excellent and 808 held up through abuse with a clean bill of health."

"It's tough not to sound like a broken record when raving about the quality of XRAY's kits. The 808 is a pleasure to build and looks like a work of art sitting on the pit table."



## Engine Mount

Alu Stands For Engine Mount - Hard Coated  
#358718 - Novarossi, Sirio, R&B, Max, JP, GRP  
#358719 - Picco, Mega, Orion, LRP, OS



#358714  
XB808 Alu One-Piece Engine Mount  
- Swiss 7075 T6 - Hard Coated

## Active Diff™

#355103  
XRAY XB808 Active Center Diff™



#355102  
XRAY XB808 Active DiffT

## Alu SWISS 7075 T6 Parts



#353093  
XB808 Alu Rear Shock Tower Swiss  
7075 T6 (3mm) - Hard Coated



#352093  
XB808 Front Alu Shock Tower Swiss  
7075 T6 (3mm) - Hard Coated



XB808 Alu Caster Block - Swiss 7075 T6 - Hard Coated

#352216 Right 10°  
#352226 Left 10°  
#352217 Right 12°  
#352227 Left 12°  
#352218 Right 14°  
#352228 Left 14°  
#352219 Right 16°  
#352229 Left 16°



#352573  
XB808 Alu Steering Plate Swiss  
7075 T6 (3mm) - Hard Coated

## Alu Steering Block



#353357  
XB808 Alu Adjustable Rear Hub Carrier  
Swiss 7075 T6 (7mm) - Hard Coated

#352267 Left 5° King-Pin - Swiss 7075 T6  
#352257 Right 5° King-Pin - Swiss 7075 T6

#352266 Left - Swiss 7075 T6 - Hard Coated  
#352256 Right - Swiss 7075 T6 - Hard Coated

## Alu Lower Suspension Holders Set



#353304 Rear - Square Adj. Roll-Center  
#352304 Front - Square Adj. Roll-Center

#353303 Rear - Swiss 7075 T6 (7mm) - Hard Coated  
#352303 Front - Swiss 7075 T6 (7mm) - Hard Coated



# OPTION PARTS FOR 1/8 TRUGGY



RACER, ( UK )

"The XT8 oozes quality and has a huge amount of static horsepower. The Truggy is a top end pro machine which is already showing it has what it takes to be up there with the best."

"The XT8 is fine example of Xray's reputation for quality products for the serious racers among us."

RC Driver, ( USA )

"XRAY is already a top performer in the 1/8 buggy class, and now XRAY has a top competitor in the truggy class as well."

"If you are looking for a new truggy or want to expand your off-road RC driving ability this may be the perfect truck for you."

"On power, this truck is a monster. I was able to rip down the 120-plus-foot straight, hit the brakes 15 feet before the sweeper and grab full throttle again, hold it and rip through the sweeper."

"Team XRAY always turns heads when a new vehicle comes out of their stable, but the XT8 is going to break some necks."

"XRAY did a phenomenal job with their introduction into the truggy class."

Racing Lines, Australia

"If you're looking for a competition 1:8 truggy, look for the XRAY XT8."

"Acceleration: awesome!"

"XT8 is brilliant in the air."

## Alu Plates

## Alu Adjustable Engine Mount



#351345  
Alu Upper Plate 7075 T6 (4mm)



#356116  
Alu Radio Plate 7075 T6 (3mm) - V2  
( will not fit XT8 2009 specs )



#354055  
Alu Center Diff Mounting  
Plate 7075 T6 (3mm)



Alu Adjustable Engine Mount  
#358712 - Novarossi, Sirio, R&B, Max, JP  
#358713 - Picco, Mega, Orion, LRP, OS

## Adjustable Alu Rear Carrier

## Alu Steering Block



#353365  
Adjustable Alu Rear Hub Carrier - Left



#353355  
Adjustable Alu Rear Hub Carrier - Right



#352265  
Alu Steering Block - Right

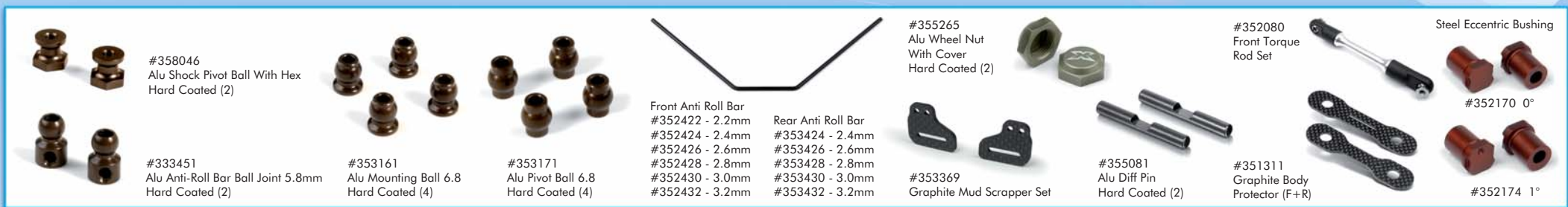


#352255  
Alu Steering Block - Right

## Active Diff™



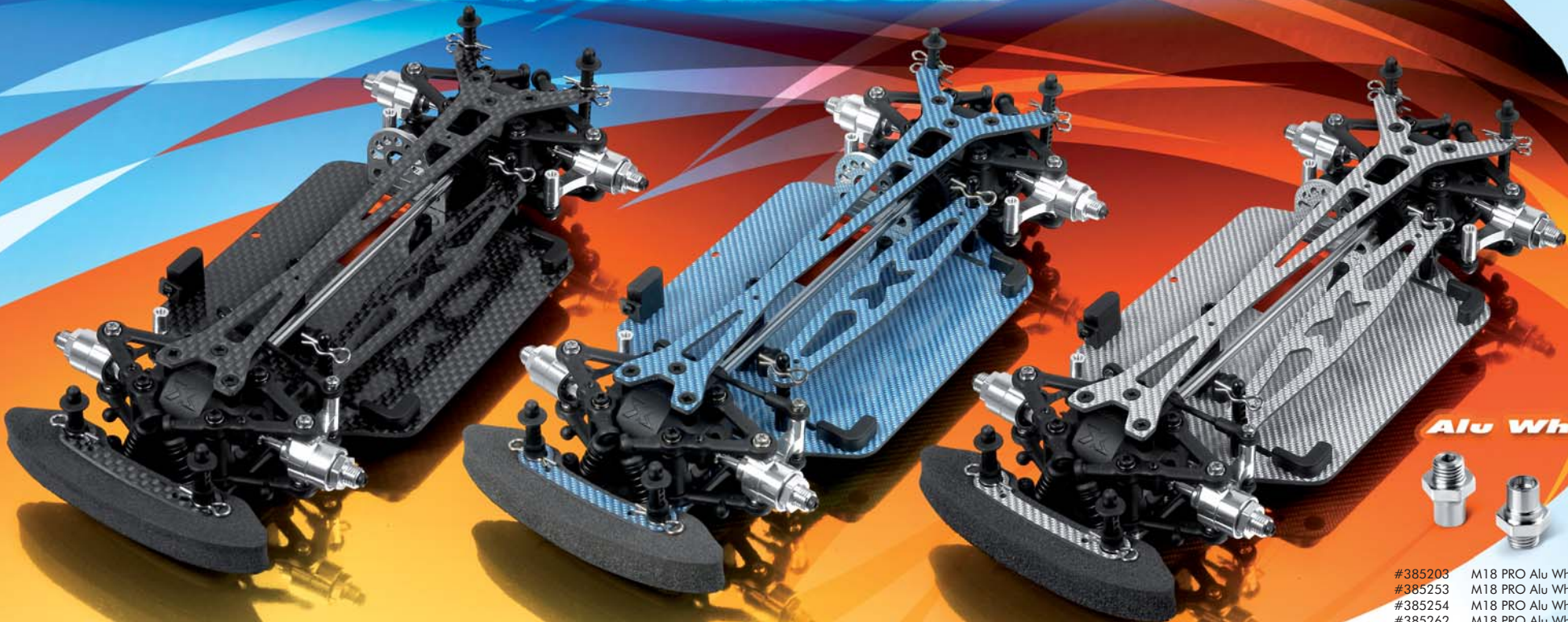
#355101 XRAY XT8 Active Diff™



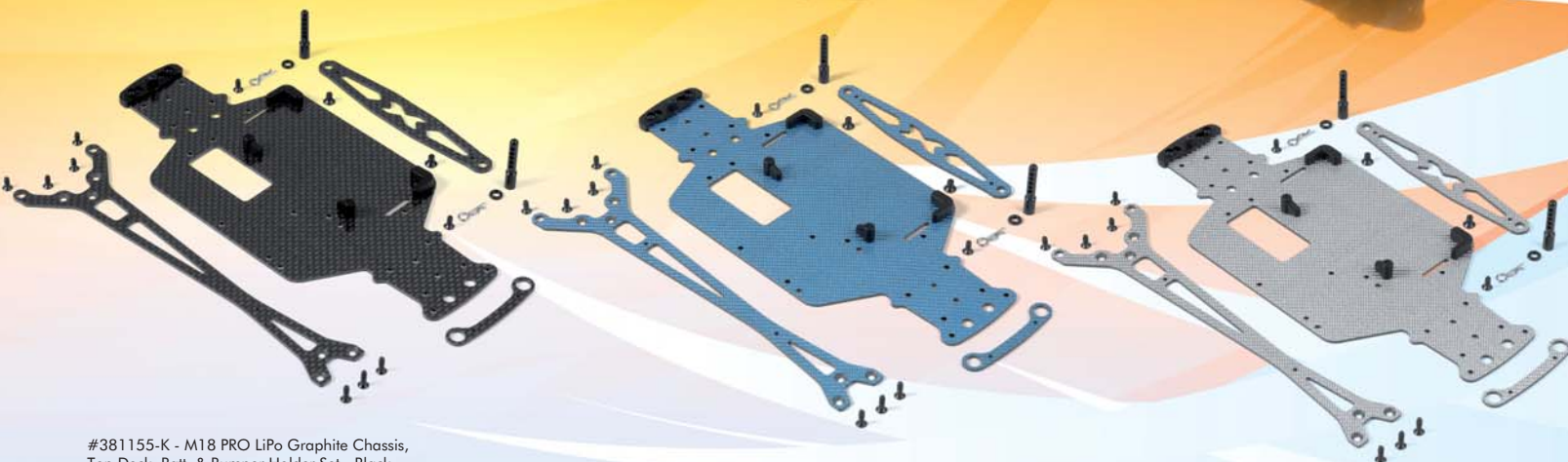
The parts listed on this page will fit the XB8EC, XB8R, XT8, XT8'09. However, to use some parts may require the use of some other parts, therefore if you are not familiar with all the specifications we suggest that you contact your nearest XRAY Authorized Dealer to receive complete information. Or you may visit [www.teamxray.com](http://www.teamxray.com) where you will find complete information and specifications list. On the XRAY Web site you will also find all the latest and newest option parts, as well as more information about previous models (XB8, XB8TQ, XB8R, XT8) on which the different option parts may fit.

# OPTION PARTS

## FOR 1/18 TOURING CARS



### M18 PRO LiPo Conversion Sets



#381155-K - M18 PRO LiPo Graphite Chassis,  
Top Deck, Batt. & Bumper Holder Set - Black

#381155-B - M18 PRO LiPo Graphite Chassis,  
Top Deck, Batt. & Bumper Holder Set - Blue

#381155 - M18 PRO LiPo Graphite Chassis,  
Top Deck, Batt. & Bumper Holder Set - Silver

### Alu Wheel Axle



- #385203 M18 PRO Alu Wheel Axle - Offset "0mm" (2)
- #385253 M18 PRO Alu Wheel Axle - Offset "+1.0mm" (2)
- #385254 M18 PRO Alu Wheel Axle - Offset "+2.0mm" (2)
- #385262 M18 PRO Alu Wheel Nut (2)

### Alu Drive Shafts



#385203  
Alu Drive Shaft  
For Hex Adapter (2)

### Alu Steering Block



#382262  
Alu Suspension Block Right

#382252  
Alu Suspension Block Left

Foam Tires Mounted  
M18 PRO

- #389541  
Rear - Soft (35DEG)  
#389543  
Rear - Medium (40DEG)  
#389544  
Front - Medium (45DEG)  
#389546  
Front - Hard (50DEG)



Rubber Tires + Inserts

- #389650  
Front (50DEG)  
#389640  
Front+Rear  
(40DEG)



- #389912  
Wheel Aerodisk  
M18 PRO (Hex Hub) - Rubber (2+2)



- #385511  
Graphite Main  
Driveshaft  
M18  
M18 PRO



- #389171  
XRAY Micro Servo XMS02MG  
Metal Gear



- #389181  
XRAY Micro Speed Controller  
XMC300 with Brake



- #389163  
XRAY Micro Motor 370  
Supersize



- #385202  
Composite Drive Shaft  
with Hex Adapter - Set (2)



- #382041  
Alu Heat Sink for  
Super Size Motor



- #382023  
Alu Motor Holder  
M18 PRO - 7075 T6 (5mm)



- #385101  
Front One-way  
Differential - Set - Blue



- #385001  
Alu Adj. Ball Differential - Set  
Hard Coated



- #385002  
Composite Adjustable Ball Differential



- #381221  
Foam Bumper - Blue



- #383220 Set of Rear Linkages 2.5° Toe-in (2)  
#383300 Adjustable Turnbuckle Set for Toe-in Adjustment



- #385701  
Composite Pinion Set (13,14,15,16)



- Steel Pinion Gear  
M18, M18 PRO  
#385612 - 12T/48  
#385613 - 13T/48  
#385614 - 14T/48  
#385615 - 15T/48  
#385616 - 16T/48  
#385617 - 17T/48  
#385619 - 19T/48  
#385621 - 21T/48  
#385623 - 23T/48



- Set of Suspension Arms  
#382106 - 6° Caster (2)  
#382107 - 6° Caster - Hard (2)



- #382101  
Set of Suspension Arms,  
Lower + Upper (2+1+1) - Hard



- #387541  
M18 Nickel Coated Pivot Ball  
4.2mm Type C (8)



- #387561  
M18 Nickel Coated Pivot Ball  
5.8mm Type A (16)



- #387562  
M18 Nickel Coated Pivot Ball  
5.8mm Type B (8)



- #930125  
Carbide Ball-Bearing Axial  
2.5x5.4x0.8



- #930120  
Carbide Ball  
2.4mm (12)



- #930220  
Ceramic Ball  
2.4mm (12)



- #940610  
High-Speed Ball-Bearing  
6x10x3 Rubber Sealed (2)



- #389701  
Micro Body 1/18 Supra - 150mm



- #389702  
Micro Body 1/18 Lago - 150mm



- #389703  
Micro Body 1/18 956 - 150mm



- #389707  
Micro Body 1/18 NT18 - F360



- #389706  
Micro Body 1/18 Touring - 150mm

The parts listed on this page will fit the M18, M18 PRO and NT18. However, to use some parts may require the use of some other parts, therefore if you are not familiar with all the specifications we suggest that you contact your nearest XRAY Authorized Dealer to receive complete information. Or you may visit [www.teamxray.com](http://www.teamxray.com) where you will find complete information and specifications list. On the XRAY Web site you will also find all the latest and newest option parts, as well as more on which model the different option parts may fit or not.

XRAY Team  
Polo Shirt  
#395201 - (S)  
#395202 - (M)  
#395203 - (L)  
#395204 - (XL)  
#395205 - (XXL)

XRAY Team  
Lady Polo Shirt  
#395206XS - (XS)  
#395206S - (S)  
#395206M - (M)  
#395206L - (L)

XRAY Team  
Sweater Hooded - Blue  
#395500M - (M)  
#395500L - (L)  
#395500XL - (XL)  
#395500XXL - (XXL)

XRAY Team  
T-shirt - Blue  
#395012 - (M)  
#395013 - (L)  
#395014 - (XL)  
#395015 - (XXL)

XRAY Team  
T-Shirt - Orange  
#395017M - (M)  
#395017L - (L)  
#395017XL - (XL)  
#395017XXL - (XXL)  
#395017XXXL - (XXXL)

XRAY Team  
Carrying Bag  
#397232



XRAY  
Team T-Shirt - Blue  
#395016M - (M)  
#395016L - (L)  
#395016XL - (XL)  
#395016XXL - (XXL)  
#395016XXXL - (XXXL)

XRAY Team  
Lady T-Shirt - White  
#395030XS - (XS)  
#395030S - (S)  
#395030M - (M)  
#395030L - (L)  
#395030XL - (XL)

XRAY Team  
Lady T-Shirt - Light Blue  
#395031XS - (XS)  
#395031S - (S)  
#395031M - (M)  
#395031L - (L)  
#395031XL - (XL)

XRAY Team  
Lady T-Shirt - Dark Blue  
#395032XS - (XS)  
#395032S - (S)  
#395032M - (M)  
#395032L - (L)  
#395032 XL - (XL)

XRAY Team  
Windbreaker  
#396002 - (M)  
#396003 - (L)  
#396004 - (XL)  
#396005 - (XXL)

XRAY Team  
Sweater  
#395412 - (M)  
#395413 - (L)  
#395414 - (XL)  
#395415 - (XXL)

XRAY Team  
Softshell Jacket  
#396020M - (M)  
#396020L - (L)  
#396020XL - (XL)  
#396020XXL - (XXL)

#397231  
XRAY Team Carrying Bag



#397291-O  
XRAY Pit Towel  
Large



#397292-O  
XRAY Pit Towel  
Small

#397242  
Storage Box - Small



#397241  
Storage Box - Large



#397291-B  
XRAY Pit Towel  
Large



XRAY Cap  
#396905 - (S)  
#396902 - Flexfit (S-M)  
#396903 - Flexfit (L-XL)  
#396904 - (XXL)

**YOUR  
NATIONAL FLAG**

**YOUR NAME  
& YOUR TEAM XRAY**

**SET-UP BOARD LIMITED EDITION  
CUSTOMIZED WITH YOUR NAME  
FOR FREE**



**YOUR  
DISTRIBUTOR**

**TEAM ACCESSORIES**

#309901 XRAY Aluminum 1/10 Touring Set-Up Board

# PREMIUM SILICONE OIL

# SILICONE

The small details are often the ones that yield the largest gains in racing. With this philosophy, XRAY is pleased to introduce a new high-quality, lab-certified line of oils that will make "dialing in" quicker and easier.

Manufactured in Europe by a specialized silicone oil premium manufacturer, these new oils were exclusively created for XRAY. Each batch of premium oil is laboratory tested and calibrated to ensure the highest possible consistency and quality from batch to batch. Based on the industry-proven CST rating, the new line of oils will be easy to identify, adjust, and feel.

All in all, every small detail of XRAY's new oil line has been covered, making for another extraordinary XRAY product line; perfect down to the last detail.

## XRAY Premium Silicone Oil

#359210 - 100 cSt	#359270 - 700 cSt	#359315 - 15 000 cSt
#359215 - 150 cSt	#359280 - 800 cSt	#359320 - 20 000 cSt
#359220 - 200 cSt	#359290 - 900 cSt	#359330 - 30 000 cSt
#359225 - 250 cSt	#359301 - 1000 cSt	#359340 - 40 000 cSt
#359230 - 300 cSt	#359302 - 2000 cSt	#359350 - 50 000 cSt
#359235 - 350 cSt	#359303 - 3000 cSt	#359360 - 60 000 cSt
#359240 - 400 cSt	#359305 - 5000 cSt	#359380 - 80 000 cSt
#359245 - 450 cSt	#359306 - 6000 cSt	#359392 - 100 000 cSt
#359250 - 500 cSt	#359307 - 7000 cSt	#359394 - 150 000 cSt
#359255 - 550 cSt	#359308 - 8000 cSt	#359396 - 200 000 cSt
#359260 - 600 cSt	#359310 - 10 000 cSt	#359398 - 300 000 cSt



EASY-TO-CUT NOZZLE  
ALLOWS HIGH-VISCOSITY  
OILS TO BE DISPENSED EASILY

SMALL LABEL WITH THE PRINTED  
VISCOSITY VALUE FOR INSTANT  
READING FROM TOP

BACK OF THE BOTTLE HAS A SMALL  
VIEWPORT TO SEE THE OIL LEVEL  
INSIDE THE BOTTLE

SMART XRAY OIL-SCALE IDENTIFIES  
POSITION OF THE PARTICULAR OIL

SQUARE SHAPE OF THE BOTTLE  
MAKES IT SUPER EASY TO SQUEEZE  
AND PREVENTS IT FROM ROLLING  
OFF YOUR WORKBENCH

LARGE EASILY-VISIBLE  
OIL VISCOSITY VALUE

BOTTLE SPECIFICALLY  
FOR RC CAR RACERS

CAP TIGHTENS SNUGGLY AND ITS  
POSITIVE SEAL PREVENTS LEAKAGE

SLIM NOZZLE  
MAKES FILLING  
EASY AND PREVENTS  
EXCESSIVE  
OIL FROM BEING  
SQUEEZED OUT

TESTED & CERTIFIED  
LABORATORY  
TESTED & CERTIFIED



THIS OIL VISCOSITY

ULTRA THIN

THIN

MEDIUM

THICK

EXTRA THICK

100 cSt

500 cSt

1000 cSt










10.000 cSt

300.000 cSt

XRAY oils cover the complete range from Ultra Thin (100cSt)... Thin (1000 cSt)... Medium (5000cSt)... Thick (10.000cSt)... up to Extra Thick (300.000cSt), with numerous stages in between. With thinner oils suitable for shocks (up to Medium), and thicker oils suitable for differentials, you will be able to find the correct viscosity you need for your application.



Class:	1/12 electric pan car	1/10 electric pan car GT	1/10 electric touring car	1/10 electric touring car	1/10 nitro touring car	1/10 nitro touring car	1/8 nitro on-road car	1/8 nitro off-road car	1/8 electric off-road car
Model type:	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled	kit, must be assembled
Part number:	#370001	#370501	#300017	#300103	#330005	#330100	#340000	#350006	#350150
Racing level:	PRO RACING	PRO RACING	PRO RACING	CLUB RACING	PRO RACING	CLUB RACING	PRO RACING	PRO RACING	PRO RACING
Specifications									
Length w/o body:	264 mm	373 mm	372 mm	372 mm	370 mm	370 mm	436 mm	490 mm	490 mm
Chassis length:	240 mm	301 mm	326 mm	326 mm	331 mm	331 mm	388 mm	400 mm	400 mm
Wheelbase:	198 mm +/-0.5mm	255 mm +/-3mm	adjustable 256 ~ 261 mm	adjustable 256 ~ 261 mm	adjustable 258 ~ 260 mm	adjustable 258 ~ 260 mm	adjustable 291 ~ 299 mm	319 ~ 330 mm	319 ~ 330 mm
Width:	adjustable 166 mm front, 169 mm rear	adjustable 184 mm front, 195 mm rear	adjustable 189 mm	adjustable 189 mm	adjustable 197 ~ 200 mm	adjustable 197 ~ 200 mm	adjustable 252 ~ 260 mm	308 mm	308 mm
Weight:	230 g	311 g	489 g	522 g	946 g	933 g	1260 g	1869 g	1810 g
Ready-to-run weight:	868 g	1035 g	1385 g	1245 g	1646 g	1633 g	2290 g	3250 g	3409 g
Chassis:	graphite 2.5 mm	graphite 2.5 mm	graphite 2.5 mm	FRP 2.5 mm	Swiss 7075 T6 aluminum 3.0mm	Swiss 7075 T6 aluminum 3.0mm	Swiss 7075 T6 aluminum 5.0mm	Swiss 7075 T6 hardcoated aluminum 3.0mm	Swiss 7075 T6 hardcoated aluminum 3.0mm
Drive train:	2WD direct drive to rear axle	2WD direct drive to rear axle	dual belt, 4WD	dual belt, 4WD	triple belt, 4WD	triple belt, 4WD	triple belt, 4WD	full-time shaft-drive 4WD w/center differential	full-time shaft-drive 4WD w/center differential
Drive ratio:	spur/pinion	spur/pinion	1.9	1.9	2-speed: 1st 7.56; 2nd 5.27	2-speed: 1st 7.56; 2nd 5.27	2-speed: 1st 6.63; 2nd 5.52	11.29	10.62
Front differential:			composite solid axle	composite solid axle	sealed, silicone-filled gear diff	sealed, silicone-filled gear diff	one-way	sealed, silicone-filled gear diff	sealed, silicone-filled gear diff
Rear differential:	graphite shaft with ball differential	graphite shaft with ball differential	alu ball differential	composite ball differential	sealed, silicone-filled gear diff	sealed, silicone-filled gear diff	solid axle	sealed, silicone-filled gear diff	sealed, silicone-filled gear diff
Drive axle:	wheel axle - Hudy Spring Steel™	wheel axle - Hudy Spring Steel™	front CVD driveshafts - Hudy Spring Steel™ rear Swiss 7075 T6 aluminum drive shafts	Swiss 7075 T6 aluminum front & rear drive shafts	CVD drive shafts - Hudy Spring Steel™	dogbone drive shafts - Hudy Spring Steel™	CVD / dogbone drive shafts - Hudy Spring Steel™	CVD drive shafts - Hudy Spring Steel™	CVD drive shafts - Hudy Spring Steel™
Suspension:	spring-supported, kingpin-style front suspension, rear pod	spring-supported, kingpin-style front suspension, rear pod	C-hub suspension	C-hub suspension	pivot ball suspension	pivot ball suspension	pivot ball suspension	Zero King-pin suspension	Zero King-pin suspension
Shocks:	XRAY externally adjustable, oil-filled, coil-over shock, C= 1.55 spring	XRAY externally adjustable, oil-filled, coil-over shock, C= 1.55 spring	XRAY 4-step externally adjustable, oil-filled, coil-over shocks, C2 6/C3.0 Black springs	XRAY 4-step externally adjustable, oil-filled, coil-over shocks, Gold/Silver springs	Machined aluminum, 4-step externally adjustable or fixed, oil-filled, coil-over shocks	XRAY 4-step externally adjustable or fixed, oil-filled, coil-over shocks	Machined aluminum, 4-step externally adjustable or fixed, oil-filled, coil-over shocks	Machined aluminum, oil-filled coil-over shocks with 3.5mm shafts and folding boots	Machined aluminum, oil-filled coil-over shocks with 3.5mm shafts and folding boots
Top deck:			narrow graphite top deck	FRP top deck	2.5mm graphite radio plate	2.5mm FRP radio plate	2.5mm graphite radio plate	graphite radio plate	FRP battery plate
Spur gear:	96P 64T - composite	96P 64T - composite	48P 84T - composite	48P 84T - composite	59T (1st), 54T (2nd)	59T (1st), 54T (2nd)	49T (1st), 46T (2nd)	48P 43T F/R; 48P 42T - steel	48P 43T F/R; 48P 42T - steel
Arms:	standard	standard	Hard (H)	Hard (H)	standard	standard	standard	lower H-arm with adjustable upper camber link	lower H-arm with adjustable upper camber link
Adjustability									
Camber:	adjustable front	adjustable front	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	fully adjustable	fully adjustable
Front Caster:	1~14.5° adjustable static caster 2.5~7.5° adjustable reactive caster	1~14.5° adjustable static caster 2.5~7.5° adjustable reactive caster	4° static (optional 0°; 2° or 6°) with 7.5° ~ 1.5° adjustability using squat/dive	4° static (optional 0°; 2° or 6°) with 7.5° ~ 1.5° adjustability using squat/dive	adjustable	adjustable	adjustable	preset 20°	preset 20°
Toe-in:	adjustable front	adjustable front	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	fully adjustable front; rear toe-in 3°	fully adjustable front; rear toe-in 3°
Downstops:	adjustable rear	adjustable front	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear	adjustable front + rear
Front anti-dive:			adjustable 0° ~ 3°	adjustable 0° ~ 3°	non-adjustable	non-adjustable	non-adjustable	Kick-up 10°	Kick-up 10°
Rear anti-squat:			adjustable 0° ~ 3°	adjustable 0° ~ 3°	non-adjustable	non-adjustable	adjustable	2°	2°
Anti-roll bars:			front 1.4 mm + rear 1.2 mm	optional front + rear	adjustable front + rear 2.0 mm (optional adjustable)	optionally adjustable front + rear	adjustable front + rear 2.8 mm (optional adjustable)	front 2.4 mm + rear 2.4 mm	front 2.4 mm + rear 2.8 mm
Equipment:									
Transmitter:	no	no	no	no	no	no	no	no	no
Receiver:	no	no	no	no	no	no	no	no	no
Transmitter battery:	no	no	no	no	no	no	no	no	no
Wheels:	no	no	no	no	no	no	no	no	no
Tires:	no	no	no	no	no	no	no	no	no
Body:	no	no	no	no	no	no	no	yes (clear XRAY Buggy body)	yes (clear XRAY Buggy body)
Electric motor:	no	no	no	no					no
Speed controller:	no	no	no	no					no
Battery pack:	no	no	no	no					no
Steering servo:	no	no	no						no
Nitro engine:					no	no	no	no	
Muffler:					no	no	no	no	
Throttle servo:					no	no	no	no	
Receiver battery:					no	no	no	no	
Switch:					no (optional)	no (optional)	no (optional)	no (optional)	
Start box:					no	no	no	no	
Fuel:					no	no	no	no	
Glow heater:					no	no	no	no	
Paint:	no	no	no	no	no	no	no	no	no
Charger:	no	no		no	no	no	no	no	no
Tools:	no	no	no	no	no	no	no	no	no

	<i><b>XT8</b></i>	<i><b>M18 PRO</b></i>	<i><b>M18</b></i>	<i><b>M18T PRO</b></i>	<i><b>M18T</b></i>	<i><b>M18MT</b></i>	<i><b>NT18</b></i>	<i><b>NT18T</b></i>	<i><b>NT18MT</b></i>								
																	
Class:	1/8 nitro truggy	1/18 electric on-road micro car	1/18 electric on-road micro car		1/18 electric off-road truck	1/18 electric monster truck			1/18 nitro on-road micro car		1/18 nitro micro truck			1/18 nitro micro monster truck			
Model type:	kit, must be assembled	kit, must be assembled	kit, must be assembled	RTR	KIT	KIT + Power Pack	RTR	KIT	KIT + Power Pack	RTR	KIT	KIT + Electric Pack	KIT	KIT + Electric Pack	RTR	RTR	
Part number:	<b>#350201</b>	<b>#380003</b>	<b>#380000</b>	<b>#380040</b>	<b>#380501</b>	<b>#380500</b>	<b>#380591</b>	<b>#380540</b>	<b>#380600</b>	<b>#380691</b>	<b>#380640</b>	<b>#380200</b>	<b>#380291</b>	<b>#380700</b>	<b>#380791</b>	<b>#380740</b>	<b>#380840</b>
Racing level:	PRO RACING	PRO RACING	CLUB RACING	FUN	PRO RACING	PRO RACING	CLUB RACING	FUN	PRO RACING	CLUB RACING	FUN	FUN	FUN	FUN	FUN	FUN	FUN
<b>Specifications</b>																	
Length w/o body:	574 mm	220 mm	215 mm		228 mm	212 mm			222 mm			220 mm		208 mm			222 mm
Chassis length:	452 mm	200 mm	200 mm		201 mm	185 mm			185 mm			201 mm		185 mm			185 mm
Wheelbase:	380—384 mm	150 mm	149 mm		166 mm	150 mm			150 mm			150 mm		150 mm			150 mm
Width:	428 mm front; 430 mm rear	100 mm front; 107 mm rear	98—101 mm front; 104—107 mm rear		178 mm front; 180 mm rear	178 mm front; 180 mm rear			178 mm front; 180 mm rear			98—101 mm front; 104—107 mm rear		178 mm front; 180 mm rear			197 mm front; 199 mm rear
Weight:	2384 g	165 g	204 g	390 g	338 g	330 g	545 g	560 g	420 g	645 g	660 g	430 g	505 g	585 g	665 g	680 g	760 g
Ready-to-run weight:	3732 g	440 g	390 g	390 g	568 g	560 g	560 g	560 g	660 g	660 g	660 g	520 g	520 g	680 g	680 g	680 g	760 g
Chassis:	Swiss 7075 T6 hardcoated aluminum 3.0mm	graphite 1.6 mm	composite chassis		graphite 2.0 mm	composite chassis			composite chassis			Swiss 7075 T6 aluminum 1.5mm		Swiss 7075 T6 aluminum 1.5mm			Swiss 7075 T6 aluminum 1.5mm
Drive train:	full-time shaft-drive 4WD w/center differential	shaft-drive 4WD	shaft-drive 4WD		shaft-drive 4WD	shaft-drive 4WD			shaft-drive 4WD			shaft-drive 4WD		shaft-drive 4WD			shaft-drive 4WD
Drive ratio:	15.88	2.5	2.5		2.5	2.5			2.5			2.5		2.5			2.5
Front differential:	sealed, silicone-filled gear diff	composite ball differential - adjustable	composite gear differential		composite ball differential - adjustable	composite ball differential - adjustable			composite ball differential - adjustable			composite gear differential		composite ball differential - adjustable			composite ball differential - adjustable
Rear differential:	sealed, silicone-filled gear diff	composite ball differential - adjustable	composite gear differential		composite ball differential - adjustable	composite ball differential - adjustable			composite ball differential - adjustable			composite gear differential		composite ball differential - adjustable			composite ball differential - adjustable
Drive axle:	CVD drive shafts - Hudy Spring Steel™	universal joints with hex hub - composite	universal joints - composite		universal joints with hex hub - composite	universal joints with hex hub - composite			universal joints with hex hub - composite			universal joints - composite		universal joints with hex hub - composite			universal joints with hex hub - composite
Suspension:	C-hub suspension with I.S.S.™	pivot suspension	pivot suspension		pivot suspension	pivot suspension			pivot suspension			pivot suspension		pivot suspension			pivot suspension
Shocks:	Machined aluminum, oil-filled coil-over shocks with 3.5mm shafts and folding boots	friction-type coil-over shocks	friction-type coil-over shocks		oil-filled coil-over shocks soft-medium shock springs	oil-filled coil-over shocks soft-medium shock springs			8x oil-filled coil-over shocks soft shock springs			friction-type coil-over shocks		oil-filled coil-over shocks medium springs			8x oil-filled coil-over shocks soft shock springs
Top deck:	graphite radio plate	narrow graphite top deck	composite center linkage		graphite 2.0 mm upper deck	composite upper deck			composite upper deck			steel center linkage		composite upper deck			composite upper deck
Spur gear:	48P 43T F/R; 48P 48T - steel	48P 42T or 36T - composite	48P 36T - composite		48P 54T - composite	48P 54T - composite			48P 54T - composite			48P 42T - composite		48P 54T - steel			48P 65T - steel
Arms:	lower H-arm with adjustable upper camber link	hard	medium		standard	standard			standard			hard		standard			medium
<b>Adjustability</b>																	
Camber:	fully adjustable	preset front/rear: -1°	preset front/rear: -1°		preset front/rear: -2°	preset front/rear: -2°			preset front/rear: -2°			preset front/rear: -1°		preset front/rear: -2°			preset front/rear: -2°
Front Caster:	preset 15° in caster block, adjustable with with I.A.C.™	preset 6°; optional 12°	preset 12°; optional 6°		preset 12°	preset 12°			preset 12°			preset 12°		preset 12°			preset 12°
Toe-in:	fully adjustable front; rear toe-in 2° or 3°	preset front toe-out 0.5° (adjustable option) preset rear toe-in 4° (adjustable option)	preset front toe-out 0.5° (adjustable option) preset rear toe-in 4° (adjustable option)		preset front toe-out 0.5° preset rear toe-in 3.5°	preset front toe-out 0.5° preset rear toe-in 3.5°			preset front toe-out 0.5° preset rear toe-in 3.5°			preset front toe-out 0.5° (adjustable option) preset rear toe-in 4° (adjustable option)		preset front toe-out 0.5° preset rear toe-in 3.5°			preset front toe-out 0.5° preset rear toe-in 3.5°
Downstops:	adjustable front + rear	adjustable front + rear	adjustable front + rear		non-adjustable	non-adjustable			non-adjustable			adjustable front + rear		non-adjustable			non-adjustable
Front anti-dive:	Kick-up 4° or 5°	non-adjustable	non-adjustable		non-adjustable	non-adjustable			non-adjustable			non-adjustable		non-adjustable			non-adjustable
Rear anti-squat:	1° or 2°	non-adjustable	non-adjustable		non-adjustable	non-adjustable			non-adjustable			non-adjustable		non-adjustable			non-adjustable
Anti-roll bars:	front 2.4 mm + rear 2.8 mm	not available	not available		front 1.0 mm + rear 1.0 mm	front 1.0 mm + rear 1.0 mm			optional front + rear			not available		front 1.0 mm + rear 1.0 mm			optional front + rear
<b>Equipment:</b>			<b>Kit:</b>	<b>RTR:</b>		<b>KIT</b>	<b>KIT + Power Pack</b>	<b>RTR</b>	<b>KIT</b>	<b>KIT + Power Pack</b>	<b>RTR</b>	<b>KIT</b>	<b>KIT + Electric Pack</b>	<b>KIT</b>	<b>KIT + Electric Pack</b>	<b>RTR</b>	
Transmitter:	no	no	no	yes	no	no	no	yes (XRAY XT1)	no	no	yes (XRAY XT1)	no	no	no	no	yes (XRAY XT1)	yes (XRAY XT1)
Receiver:	no	no	no	yes	no	no	no	yes (XRAY XR1)	no	no	yes (XRAY XR1)	no	no	no	no	yes (XRAY XR1)	yes (XRAY XR1)
Transmitter battery:	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Wheels:	no	yes	yes	yes (pre-glued)	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Tires:	no	yes (foam 50 DEG front; 35 DEG rear)	yes (rubber)	yes (pre-glued)	yes	yes	yes	yes (pre-glued)	yes	yes	yes (pre-glued)	yes (foam 50 DEG front; 35 DEG rear)	yes	yes	yes (pre-glued)	yes (pre-glued)	yes (pre-glued)
Body:	yes (clear XRAY Truggy body)	yes (clear touring body)	clear body	pre-painted & trimmed	yes (clear truck body)	yes (clear truck body)	yes (clear truck body)	pre-painted & trimmed	yes (clear monster body)	yes (clear monster body)	yes (pre-painted & trimmed)	yes (clear touring body)	yes (clear touring body)	yes (clear truck body)	yes (clear truck body)	yes (pre-painted & trimmed)	yes (pre-painted & trimmed)
Electric motor:		no	no	yes (XRAY 180)	no	no	yes (XRAY 370)	yes (XRAY 370)	no	yes (XRAY 370)	yes (XRAY 370)						
Speed controller:		no	no	yes (XMC 180)	no	no	yes (XMC 300R)	yes (XMC 300R)	no	yes (XMC 300R)	yes (XMC 300R)						
Battery pack:		no	no	no	no	no	no	no	no	no	no						
Steering servo:		no	no	yes (XMS-01MG)	no	no	yes (XMS01MG)	yes (XMS01MG)	no	yes (XMS01MG)	yes (XMS01MG)	no	yes (XMS-01MG)	no	yes (XMS-01MG)	yes (XMS-01MG)	yes (XMS-01MG)
Nitro engine:	no											yes (0.8cc)	yes (0.8cc)	yes (0.8cc)	yes (0.8cc)	yes (0.8cc)	yes (0.8cc)
Muffler:	no											yes	yes	yes	yes	yes	yes
Throttle servo:	no											no	yes (XMS-01MG)	no	yes (XMS-01MG)	yes (XMS-01MG)	yes (XMS-01MG)
Receiver battery:	no											no	yes	no	yes	yes	yes
Switch:	no (optional)											no	yes	no	yes	yes	yes
Start box:												yes	yes	yes	yes	yes	yes
Fuel:	no											no	no	no	no	no	no
Glow heater:	no											no	no	no	no	no	no
Paint:	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Charger:	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
Tools:	no	no	Philips screwdriver	no	no	Philips screwdriver	Philips screwdriver	no	Philips screwdriver	Philips screwdriver	no	no	no	Philips screwdriver	Philips screwdriver	no	no

**XRAY - the manufacturer of Luxury Model Racing Cars - was established in the year 2000 by Dipl. Eng. Juraj Hudy. Despite the short history of the XRAY company, the founder has had long and successful experiences in designing RC model racing cars.**

## 1972

first self-designed and manufactured slotcars. Mr. Hudy became Multi-Champion of Middle and Eastern Europe in slotcar racing. These slotcars were No.1 at that time and were winning all the races.



## 1975

the first RC cars were designed and produced; the focus was on nitro and electric cars. All of the cars were handmade in small series in a workshop 9m<sup>2</sup>. At the same time, the first handmade bodies were produced from laminate and epoxy material.



## 1977

Mr. Hudy produced hand-made chassis plates from 4mm thick duraluminum. the car in the picture, called SHADOW, uses this kind of chassis.



## 1978

a new RC car was designed with the motor in a vertical position. The car featured solid suspension and a flexible chassis.



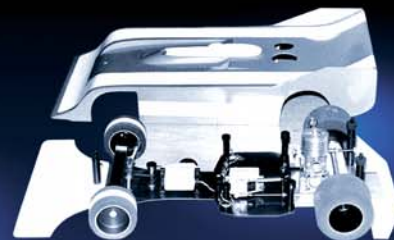
## 1979

Mr. Hudy designed a new nitro car with the motor in a horizontal position. The car featured solid rear suspension and a front suspension using simple dampening.



## 1981

a new nitro car featured solid suspension, a central differential, adjustable width and caster, and simple dampening. The first bodies were produced using a vacuum machine and special ABS material. From this year onwards, 10-15 cars were hand-made each year.



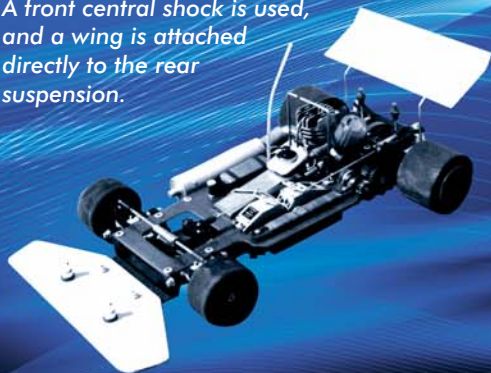
## 1980

a newly-designed nitro car featured a differential in the wheel. The front of the chassis was made from fiberglass, and the rear from duraluminum.

# AWARDS QUALITY COMMITMENT

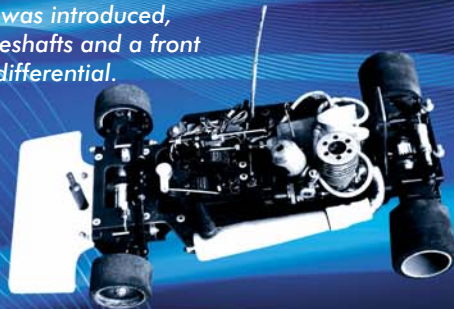
**1982**

a new nitro car featured independent suspension, rear differential, and direct drive through gears between motor and rear transmission. A front central shock is used, and a wing is attached directly to the rear suspension.



**1985**

one of the world's first 4WD nitro cars was introduced, using driveshafts and a front one-way differential.



**1986**

a new nitro car featured an automatic 2-speed transmission, and fully-enclosed front and rear transmissions to provide dust protection. This car was great for dusty racing conditions.



**1987**

a new nitro car was produced, based on the successful 1982 design. New centrally-mounted front shocks and an anti-roll bar were introduced. This ultra-stiff chassis design was the most professional, and achieved the greatest racing performance at the time.



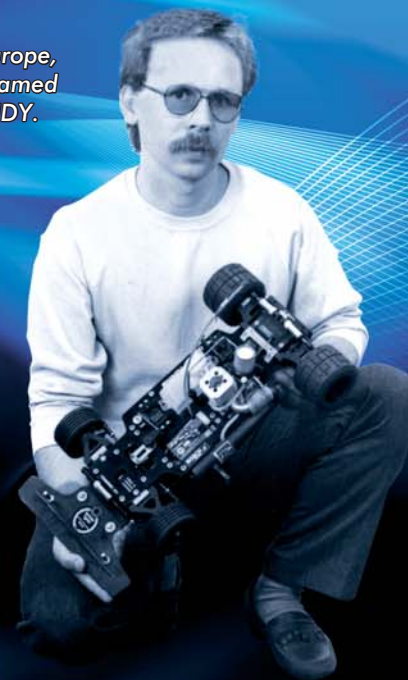
**1988**

the first off-road car is designed and manufactured. An improved nitro car also appeared, based on the successful 1987 design, and also featured ultra lightweight materials. These cars featured a purely technical design oriented for highest performance racing.



**1990**

after the fall of communism in Eastern Europe, Mr. Hudy establishes his first company, named SPECIAL, which was later renamed to HUDY. Mr. Hudy moves manufacturing from his own flat/workshop to a garage 60m<sup>2</sup>. The first machines are bought and real production begins. The company focuses on designing accessories and tools for slotcars. The first comm lathes and slotcar tire truers are designed. In year 2000 HUDY company had 60 employees and over 2000m<sup>2</sup> production factory with production focused on the premium tools and accessories as well production of special parts for Serpent cars.



**1999**

at the end of the year 1999 Mr. Hudy establishes the new company XRAY which focuses its many years of design and manufacturing experience to produce high-tech, high-quality luxury RC model racing cars and in the year 2000 the first project T1 was introduced to the market. Since that short time XRAY has gained the reputation as the world's most prestigious and most admired RC model car manufacturer and the story continues...



**2000...**

XRAY modern history begins...

# FASCINATION RITAGE PASSION

#### **XRAY Millennium RC Factory facts:**

- operation started in 2007
- the largest RC manufacturing plant solely dedicated for luxury RC cars
- the facility is the size of a soccer stadium!
- the new facility includes everything necessary to design, develop, and produce the largest line of RC cars in-house
- production capacity of tens of thousands of RC parts per month
- dozens of the most modern German and Swiss CNC high-capacity, high-precision manufacturing machines
- more than 100 employees who are specially skilled and trained for RC car production

#### **XRAY Millennium RC Factory features:**

- large assembly line and packaging department to export products quickly
- extensive stock of all XRAY products guarantees 24-hour delivery with an astonishing 99% fill rate of available XRAY products
- the large factory is strategically divided into key sectors designed to make production clean and fast
- in-house R&D, marketing, sales, desktop publishing and accounting departments
- two indoor racetracks for prototype testing
- one of the largest asphalt indoor racetracks can be turned into a carpet indoor racetrack for electric car testing
- outdoor asphalt racetrack for testing and development
- outdoor off-road racetrack for off-road car testing and development

Large CNC milling department Unique, fully-automatic color-coating and hard-coating robot-operated line



Technology project was partially financially supported by European Union.



Exclusive world's largest asphalt indoor racetrack for instant prototype testing

**XRAY**

**MILLENNIUM FACTORY**

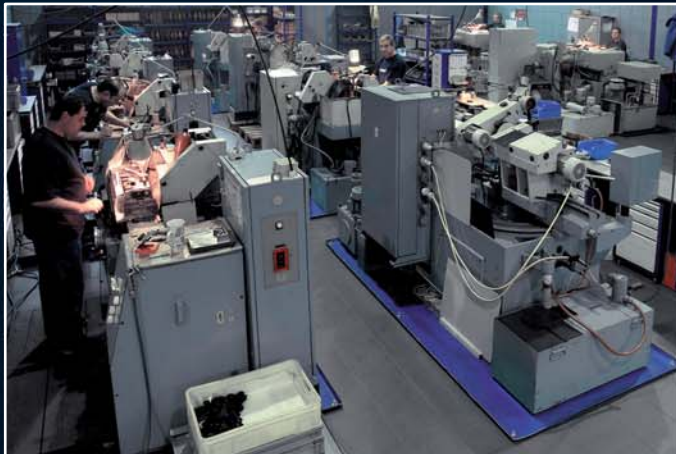
Highest-capacity German 11-axis CNC-cutting machines



All moulds are manufactured using state-of-the-art Swiss CNC mould-making machines



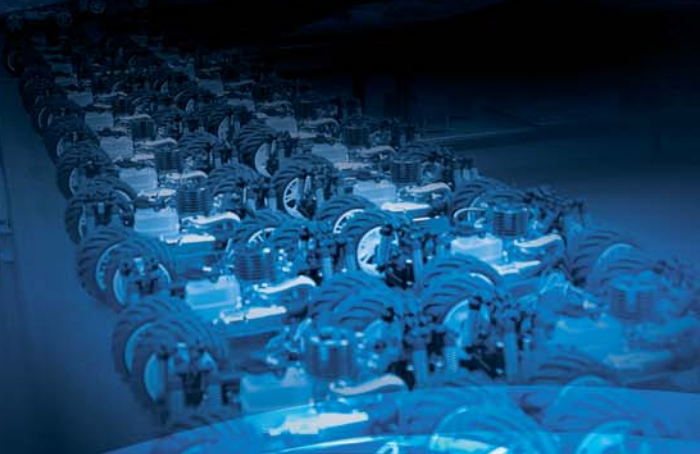
Composite parts are injected using precision German moulding machines



All precision parts are hand-ground on very precise grinding machines



Another CNC milling department



MADE IN  
EUROPE

**XRAY EUROPE**  
XRAY, K VÝSTAVISKU 6992, 91101 TRENČÍN, SLOVAKIA, EUROPE  
TEL: +421-32-740 11 00, FAX: +421-32-740 11 09, [info@teamxray.com](mailto:info@teamxray.com)

**XRAY USA**

RC AMERICA, 167 TURTLE CREEK BLVD. SUITE C, .DALLAS, 752 07 TEXAS, USA  
PHONE: 214-744-2400, FAX: 214-744-2401, [xray@rcamerica.com](mailto:xray@rcamerica.com)



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