

EUROPEAN CHAMPION

To win a club race, European Championship, or USA Championship, you need a car you can trust and rely on in any racing condition. With high praise and numerous awards around the world, XRAY model racing cars constantly live up to their winning heritage... the spirit of racing... the pedigree of a true champion.

XRAY — the champions' choice — your choice.



www.hudy.nets www.hudy.nets







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.





THE WORLD OF KRAY

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.

THE ART OF PERFORMANCE.

XRAY's wins and accomplishments are too numerous to completely list. Aside from many others, here are the Team XRAY wins <u>from 2006 alone:</u>

E. ELEGANCE. LUXURY.

1710 Electric Louring car: World Cup Winner World Championshing 3rd, Final #2 Winner International Indoor Champion - Stock International Indoor Champion - Stock US TC Nationals Champion - Madified US TC Nationals Champion - Madified US TC Nationals Champion - IPT Form US National Champion - IPT Form US National Schampion - IPT US National Schampion - Madified US National Champion - Madified US ROAR National Champion - Maters US National Champion - Maters Store Champion - Madified US Indoor Champion - Maters Sowabird National Champion - Stock US Indoor Champion - Stock German Indoor National Champion - Stock German Indoor Senior National Champion Swiss National Champion Swiss National Champion Swiss National Champion Russian Outdoor Vice-Champion Russian Indoor National Champion Skreach National Champion Skreach National Champion Karean National Champion

Brazilian National Champion
 French National Champion - Sport
 European Champion - Junior
 EFRA GP Winner
 DHI Cup Vice-Champion
 LRP Masters Winner - Stock
 LRP Masters Winner - 19T
 Orion Speed Weekend Winner -19T
 Redy Race USA Winner
 Partugese National Champion
 UST C Nationals 2007 Champion - Expert
 UST C Nationals 2007 Champion - 19T
 Stock
 UST C Nationals 2007 Champion - 19T
 Sushers 2007 Champion - 19T
 Sushers
 UST C Nationals 2007 Champion - 19T
 Song 2007 Champion - 19T
 Song 2007 Champion - 19T
 Foam
 UST C Nationals 2007 Champion - 19T
 Foam
 UBH Cun 2007 Winner - 19T

European Champion Nordic Champion French National Champion Exper

Danish National Champion Swedish Off-cad Cup Winner Partuguese National Champion Bulgarian National Champion Caech National Champion Rosisan National Cup Winner Slovak National Champion Stock French National Champion Stock Canadian Winternationals Winner Chinese National Champion Singapora Off-cad GP Winner New Zealand National Champion EFRA GP Winner Polare Dirt Indoor Challenge Winner Poline Dirt Indoor Challenge Winner UK Vice-Champion

1/18 Micro Car: • US National Champion

Car of the Year 2001, Car of the Year 2002, Car of the Year 2003, Car of the Year 2004, Car of the Year 2005, Car of the Year 2006, World's Best Crafted Touring Car Award, World's Best Touring Car Award, World's Best Belt Driven Touring Car, World's Best Off-Road Car 2004, Buggy of the Year 2006, Reader's Choice Award, Best of 2006

car action

2006 CAR OF THE YEAR XRAY T2

2006

RS

ELECTRIC

TOURING CAR

READER'S CHOICE WINNER

für das ander - Test-Modell

Sparte: Glattbahn Elektro

Xray

Gewählt von den Lesern der Zeitschrift









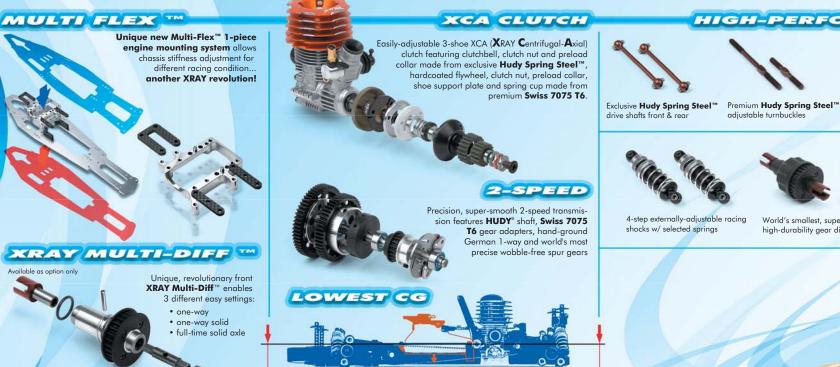


CNC-machined 3mm Swiss 7075 T6 chassis

Radio box with Quick-Exchange system for crystal Optimized nitro touring car suspension geometry

Quick & easy access to rear differential

Quick & easy access to front differential



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.

• 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-arip 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 vet 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

HIGH-PERFORMANCE PARTS

Quick-set 2-piece aluminum engine mounting system

Hudy Spring Steel[™] wheel axles and diff outdrives



4-step externally-adjustable racing

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

High-speed lightly-oiled selected ball-bearings





CHAMPIONS COMBO

The European Champion XB8EC is now also available in an exclusive combo kit with **3x World Champion** RB engine.

Insane power, incredible performance... the best winning combination.



CNC-machined **Swiss 7075 T6** alu radio plate, center diff plate & front upper deck



All **new suspension geometry** features longer front shocks, modified arms and steering blocks



Improved geometry for improved handling on bumpy tracks and big jumps



Front & rear suspension fully adjustable using **I.S.S.™** (Integrated Suspension Settings)

HIGH-PERFORMANCE PARTS



High-grade special steel clutchbell New **big-bore** alu shocks

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

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

• premium high-competition off-road bugg • very easy assembly/disassembly and maintenance • efficient C-hub suspension with XRAY's innovative I.A.C.[™] (Integrated Adjustable Caster) • lightweight strong molded steering blocks with molded-in steel bushings • fully-adjustable suspension featuring XRAY's I.S.S.[™] (Integrated Suspension Settings) • 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[™] outra-fight with \$\string\$ ted][™] outra-fightweight balance with \$\string\$ • pure racing design, high-speed sealed bearings for maximum efficiency and speed • ultra-precision front/rear and center diffs with Hudy Spring Steel[™] outra-fightweight balack with \$\string\$ ted][™] outra-fightweight balack with \$\string\$ outdrives • pinions, spurs, crown gears and clutchbell manufactured by HUD^{Y®} • all alu parts feature XRAY stylish black with \$\string\$ lock shafts • optimized multiple upper and lower shock mounting locations for front and rear • laser-cut, precision-ground steel brake disks for ultra-efficient fade-free braking • high-grip Ferod[®] brake pads • exclusive adjustable turnbuckles from Hudy Spring Steel[™] • front and rear anti-roll bars, fuel filter, set of stylish XRAY wheels included

NEW 2007 SPECS:

• European Champion (EC) specifications

- improved handling used to dominate and win the European Championship
 new chassis with improved weight distribution
- new & improved front suspension (front arms & steering blocks)
- much more stable handling, easier to drive with more steering

more downtravel and improved steering throw

- improved handling on bumpy tracks and big jumps
 new center diff mounting allows use of larger spur gears
- new same-length center drive shafts, front & rear

all new big-bore shocks

- new longer front shocks for improved suspension handling
- new taller Swiss 7075 T6 front shock tower accommodates longer front shocks
- new interior shock body design prevents piston warpage/breakage
- precision-round shape of pistons for perfect movement inside the shock
- new longer shock rods from special hardened steel
- new shock membranes improve damping
- new XRAY Premium Shock Oils for perfect consistency
 new short shock boots with foam dust-protector
- new improved Hudy Spring Steel™ steering pivot balls for more downtravel
 reinforced front and rear composite braces to prevent tweak
 new Swiss 7075 T6 radio tray with stylish black/silver edaing
- new clutch spring design for improved durability
- 30% stronger servo saver spring for more precise steering
- ultral-lightweight racing body molded from thin Lexan[®]



ASING DESIGN







Purpose-designed truggy suspension features reinforced arms to prevent bending

CNC-machined Swiss 7075 T6 alu front upper deck, radio plate, diff plate and shock towers



XRAY Racing Truggy XT8 is based on the European Champion XB8EC off-road buggy Super-long arms ensure best handling over rough

Super-smooth, no-slip, high-durability

differentials with heat-treated agars

terrain & excellent landing after big jumps

HIGH-PERFORMANCE PARTS

Suspension holders allow complete geometry adjustment

Super-long arms from special composite mixture for highest durability



Swiss 7075 T6 precision flywheel



Premium Hudy Spring Steel™

adjustable turnbuckles

Special truggy-designed diff gears made from specially-developed HUDY® steel for gears Diff outdrives made from Hudy Spring Steel™ specially ground for maximum precision

Big bore long alu shocks

specially designed for Truggy

17mm **aircraft alu** wheel High-grade special axles with optimized offset steel clutchbell

Swiss 7075 T6 CNC-machined hardcoated 3mm chassis

World's lightest, most durable driveshafts

hand made from famous Hudy Spring Steel™

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

with alu 3-piece clutch shoe



XT8 is also available in exclusive combo kit with RB Truggy engine with insane and incredible power



LUXURY XRAY DESIGN

Swiss 7075 T6 CNC-machined: front/rear shock towers (4mm) steering plate (3mm) front upper deck (4mm)

 radio plate (3mm) center diff plate (3mm)



• XRAY Racing Truggy based on the European Champion XB8EC 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 lighweight Lexan* • XRAY Thrax Truggy tires, foam inserts and racing dish wheels included







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



XRAY DRIVETRAIN CONCEPT



World's lowest top deck & lightweight bulkheads

XRAY MULTI-DIFF"



World's lightest, most

hand made from famous

4-step externally-adjustable racing

shocks w/ selected springs

Hudy Spring Steel™

durable driveshafts



High-speed blue covered

ball-bearings manually selected

CNC-machined aircraft alu

lightweight main layshaf

Lowest ultra-lighweight Swiss 7075 T6 bulkheads US-spec 3.5mm ultra-thick chassis with milled areas

Exclusive adjustable

Hudy Spring Steel™

7075 TG

SOF

Adjustable ball differential 7075 T6 with

carbide balls and carbide axial bearing

RCAMERIC

HOWMERI

turnbuckles made

from famous

HIGH-PERFORMANCE PARTS

Well proven T2 suspension

parts provide optimized

suspension geometry for

maximum performance

Swiss 7075 T6

CNC-machined bulkhead



World's Most Efficient Drivetrain

The ultra-efficient drivetrain from the coveted T2 has been carried over into the T2'007. This drivetrain has proven to be the most efficient and effective electric touring car drivetrain system. The inline, super-efficient twin-belt drivetrain features oversized pullevs with optimum 1.7 internal ratio. The race-proven pulleys and drive belts have been carried over from the T1 platform and the super-efficient 20T middle shaft pulley guarantees the best belt wrapping and highly-efficient drivetrain.

MULTI-FLEX "

The invention and release of XRAY Multi-Flex Technology™ (XRAY patent) has resulted in some of the most significant milestones in touring car development in the past few years, and as such this innovation was not only praised by awards and accolades, but mainly it has been proven as a distinct competitive advantage at racetracks world wide. All helping the T2 to dominate most races at local and national levels.

The all-new revolutionary and innovative approach to car setup and adjustment has undergone very detailed long-term testing and analysis, and has been further developed by the XRAY Engineering Team. For 2007, XRAY presents improved and optimized Multi-Flex Technology™.

ultra low creating the lowest CG platform

XRAY T2'007 features all the parts positioned

ULTRA STIFF STIFF MEDIUM

• built on the highly-successful XRAY T2 platform • world's lowest touring car platform • longer top deck design minimizes tweak • XRAY Multi-Flex Technology[™] - fully adjustable chassis and top deck flex and torsion - F1 technology • XRAY Quick Roll-Centers[™] • strong aluminum servo stand • famous XRAY Multi-Diff™: one-way / one-way solid / full-time solid axle • Hudy Spring Steel™ turnbuckles • compact front foam bumper made from lightweight, high-resilience foam • small, robust steering blocks made from special composite material, featuring two Ackermann positions • front and rear shock towers CNC-machined from 3mm graphite material with optimized shock positions for rubber and foam tires with optimized Quick Roll-Center™ positions • world's most efficient drivetrain with 1.7 internal ratio • belt tensioning adjustment in both front and rear bulkheads • all parts are fully compatible with the T2 platform and fully interchangeable between US and EU versions • Rebuildable CVD driveshafts made from world-renowned, top-secret, self-developed Hudy Spring Steel™ with low-friction drive clips; world's tiniest yet most durable driveshafts hand ground for maximum precision • unique XRAY Quick-Saver™ with 5 different Ackermann positions • new rear split bulkheads allow more rear flex and improved rear traction • world's lowest ultra-lightweight bulkheads CNC-machined from Swiss 7075 T6 aluminum • lightweight hollow aircraft aluminum middle layshaft • thick 6mm body posts • front/rear top deck aluminum posts • lower suspension holders with 3 different roll center positions • 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 • externally adjustable, fully assembled Swiss 7075 T6 specially hardcoated ball differential with carbide balls and carbide axial thrustbearing • fully adjustable front & rear suspension acometry: caster, camber, inboard/outboard toe, front dive, rear squat, ride height, downstops, track-width, roll center, wheelbase, Ackermann • pure racing design • available as US Foam-spec edition (#30 0007) and EU Rubber-spec edition (#30 0008)

World Championship Final #2 Winner, overall Third



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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

Set of Hard Arms



Premium high-performance micro electronics available from XRAY will fit the M18 PRO perfectly

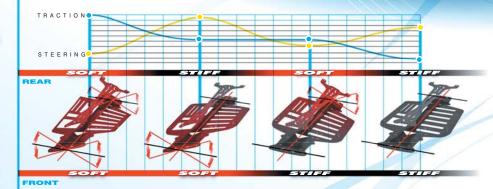


Set of High-speed Ball Bearings

MULTI-FLEX T

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 • 6 cell in-line chassis CNC-machined from premium 1.6mm graphite • revolutionary XRAY Multi-Flex TechnologyTM top deck allows independent front/rear flex adjustment • new touring car-style hex hub wheels mounting system with aluminum wheel nuts • new harder arms for more aggressive and sharper handling • increased 6° caster for improved stability • 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 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 pinon gears for optimum gear ratio adjustment • both 36T and 42T spur gear included • lightweight high-performance racing body • adjustable turnbuckle set for oe-in adjustment • houldes

Set of Pinions



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

STR IN

- 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



Technology project was partially financially supported by European Union.

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MILLENNIUM FACTORY





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



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

Highest-capacity German 11-axis CNC-cutting machines



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









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



Another CNC milling department

11

