



TTQ AGRICULTURE



AUSTRALIAN DESIGNED AND MANUFACTURED

Tillage Traders QLD

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About Us



Agricultural Equipment

TTQ manufactures and supplies equipment for the farming industry from its base in Toowoomba Queensland.

Our Scorpion Root Cutters, Trojan Mulchers, Pasture Renovators, Row Crop Equipment and Parallelograms are uniquely designed and built to suit Australian conditions. Our dedication to service means we will assist you with the set up of any machine you buy and we will be available to support you in its ongoing operation.

We offer new, used and hire equipment and stock a large range of quality wear parts. TTQ can refurbish your machinery and travel to you with our onsite machinery balancing equipment.



Raptor Ripper

These rippers are suitable for cotton, pasture renovation and broadacre farming. They are designed to work in almost all conditions and have been built tough to last.

- Fully bolt together, 3-13m frames
 - 300x200x12.5mm RHS
 - Or 178x178x9.5mm RHS
 - Fully configurable, 2 or 3 toolbar options
- 3 to 13 tyne variations
 - Adjustable tyne spacing from 330mm upwards
- 950mm underframe clearance for excellent trash flow in heavy stubble, grass or small timber
- 9 tonne breakout force shear pins
 - Or 3.5 tonne hydraulic
- All breakout forces measured at the point tip

- High tensile chasis
- 32mm heavy duty shanks
 - 450 grade hardox steel
 - Tungsten hardfaced points and shinguards with optional wings available
 - Holes and machined slot on back of the shank - designed to take a range of attachments. E.g. delta blades, fertiliser tubes, gas deltas
- Bolt on heavy duty tyne clamps using 6 of 1 inch high tensile bolts
 - Raptor clamps will also fit standard MTS shanks
- Cat 3-4 TPL or heavy duty drawbar with swivel tongue
- Wheels available on optional walking beam assembly. Pneumatic or solid rubber



Built to Work & Built to Last



Scorpion Root Cutter

The Series III Scorpion Root Cutter is designed for simplicity, resulting in less moving parts, a higher manufacture quality, and easier operation than other root cutters.

Most importantly, the Scorpion's hydraulic break away system is designed to give you more quality operating hours in the field. The latest model achieves at least 90% less blockages, disc flips, piles of trash and rows of uncut cotton roots compared to previous models.

More acres are achieved with the new features including bleed screws on cylinder, horizontal and vertical adjustments and rotary flow dividers for more even oil flow.

The Scorpion Root Cutter provides an excellent penetration for deep cutting to eliminate re-growth.



Scorpion Root Cutters are manufactured to suit most crop configurations, including solid, single skip, double skip and more if necessary. They will suit row spacings of 30 inches and upward and the row units are staggered forward and back to assist with trash flow. Some mulchers do need extra modifications to fit the Scorpions.

Features

- Unique patented hydraulic breakaway system
- Eliminates constant blockages & disc flips
- High speed, efficient operation
- Leaves trash evenly spread in fields
- Excellent penetration for deep cutting to eliminate re-growth
- Breakaway pressure hydraulic accumulator controlled
- Made to suit mulchers and toolbars of various dimensions
- Available in 4, 6, 8 & 12 row

Trojan Mulchers

The Trojan Mulcher is fitted with a specially designed flail pattern to suit row crop, which increases mulching efficiency, provides higher quality mulching on row crop configurations, cotton, sorghum etc. and longer flail life.

Its Bisalloy wear skins are all replaceable and the Trojan's extra heavy duty bearings are designed with trouble free replacement. The gearbox is mounted in a

significantly lower position to increase lifting height while the machine is running, extending unit life and allowing ease of operation.

Features

- Specially designed flail pattern to suit row crop
- Increased efficiency, capacity and quality in all areas of mulching

- Higher quality mulching on row crop configuration, cotton, sorghum etc.
- Improved flail life and balance control
- Unique row crop flail pattern and broad-acre capable
- Available in 4, 6, 8 and 9 metres
- Wears balanced
- 320 hp Gearbox and Bondioli shafts
- Gearbox is mounted in a lower position to increase lifting height while machine is running
- Extra heavy duty bearings, designed with trouble free replacement
- Bisalloy wear skins – all replaceable



Toolbars



At TTQ we can make any sort of toolbar you want. We make a range of side busters, centre busters and combo rigs but we also make a large number of tailor-made bars for clients with specific requirements.

These can include a variety of folding options in bar lengths of 24m or more.

We use bolt together modular frames to allow total flexibility including easy to add extensions to change the length. Our unique clamp system gives you almost unparalleled versatility from one machine.



MTS Shanks



- Made from 32 mm 450gr steel
- 4.5 Tonne Breakout on shear pin, 850mm UI Frame clearance.
- Hugely versatile unique shank base, built to fit a multitude of points and sweeps
- 2 ¼ bolt hole centers to suit 50 degree – rev chisels – orion ripper points – minimum no till seed point adapters
- Also fits mulch blades, fertiliser and gas attachments.



Parallelogram



TTQ parallelograms are built with multi fit and multi attachments in mind.

- Manufactured with either hydraulic or spring adjustable pressure.
- Sealed, greasable spherical bearings, which are inexpensive and simple to replace.
- Easy fit 2 bolt lock up position.
- Adjustable gauge wheel mount
- Suitable for Root Cutter Units, Planting Assemblies (either tyne or disc)



Fertiliser Bins

TTQ fertiliser and seed bins are either ground, hydraulic or electric drive. They have bolt on heavy duty walkways, safety rails and fold away steps, manufactured to suit your individual applications.



Double Disc Opener



- HT Stud Pattern 2 x Cup and Cone Inner Bearings
- Triple Lip Marine Seal
- Adjustable Disc Lap
- Trash Guard
- Tungsten Tiled Scrapers
- Adjustable seed tube
- 6mm 18" Boron Steel Disc's
- Fitted to either 3 x 1 and 2 x 1 Spring Steel Shanks with Adjuster Holes



Stabiliser Discs

- 30" x 9mm Discs
- 6 Stud Bedford Hub and Stubs
- Rigid Ratchet Adjustment
- Hydraulic and Spring Jump



Steerable Coulter

- Adapter which allows you to fit it to other existing stabiliser discs
- Complete system available for purchase not including GPS and valves
- Able to lock up as a standard stabiliser



Tungsten Hardfacing



- It extends the life of your wear parts by 3 to 5 times
- It increases productivity
- It reduces down time
- It can be applied to most ground engaging tools
- We can use different sizes of carbide to suit the application

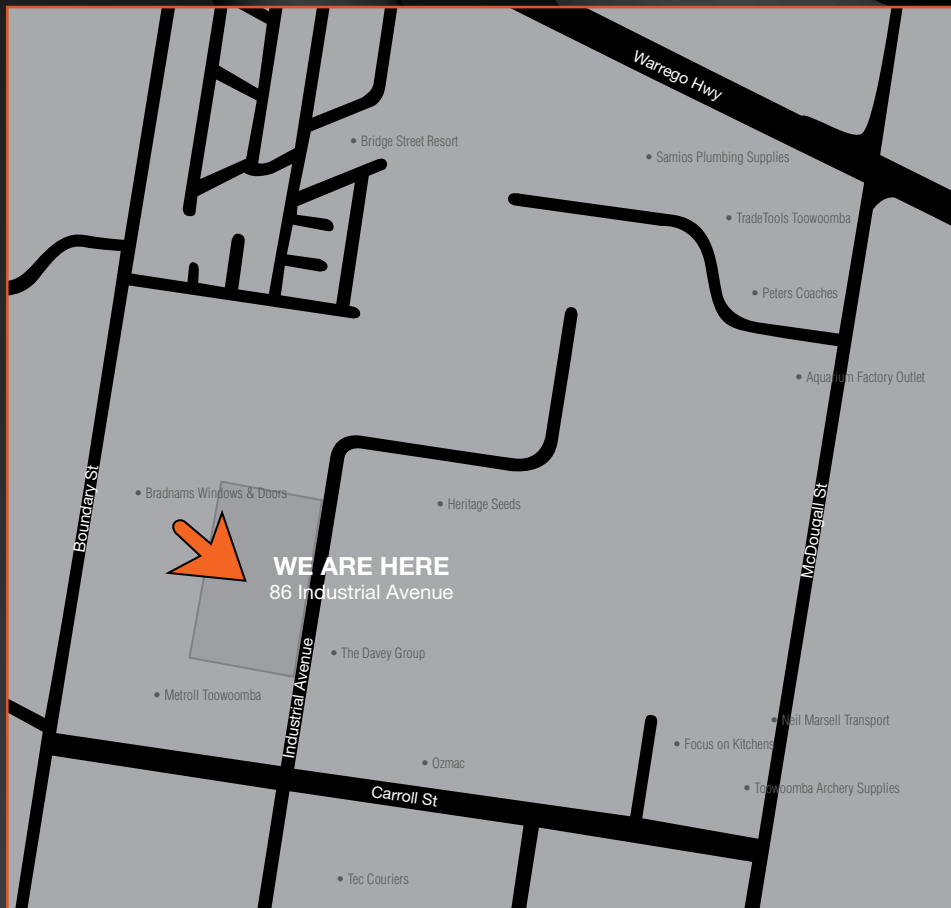
TTQ's main goal is to provide quality service and ultimately reduce clients' wear part and maintenance costs.



Tungsten Carbide is the toughest form of wear protection available to the earth moving/mining and agricultural sectors.

Tungsten has the highest melting point of all elements (+ or - 3,400 degrees). A temperature in excess of 5, 500 degrees is required to bring the metal to the boil, which corresponds approximately to the temperature of the sun. It is one of the heaviest metals on earth.





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