



BREAKING NEW GROUND

Total Rockbreaking Solutions (TRS) have plugged a gap in the rockbreaker market with their new HD Boom Systems – equipment carefully crafted to reduce costly downtime.

The full-service engineering and hydraulic maintenance company supports some of Australia's most challenging industries, including the mining, quarrying, construction, and demolition sectors.

With an extensive workshop and site services capabilities, Total Rockbreaking Solutions has become the partner of choice for industrial operators looking for materials processing support.

Their recently launched heavy-duty pedestal mounted boom system range has raised the bar for the market with increased performance and reliability, as well as several contemporary enhancements, including single touch DEPLOY and PARK commands.

These advancements ensure routine movements at the start and end of every operation are carried out at maximum speed and without risk of collision with surrounding infrastructure.

In harmony with BoomSafe® Smart Limits® protection, the automated movements have greatly improved the ability of operators to use TRS HD Boom Systems faster and more effectively without risk of damage.

Total Rockbreaking Solutions Engineering Manager Paul Ingleson described pedestal mounted boom systems as a key part of mining crushing plants that clear blockages or break oversized material in order to maintain plant throughput.

He said these systems must be simple to operate, robustly designed and most importantly reliable – qualities he said were delivered by the new TRS HD Boom Systems.

"In response to feedback from various clients with large, hardworking boom systems, coupled with our knowledge of industry trends towards remote operation and functional safety, we believed there was a gap between what was available and where the industry needed to go," Mr Ingleson said.

"With over 25 years of experience in designing, manufacturing and servicing boom systems, our engineering personnel worked with operators and maintainers to develop

a 'Requirements List' which formed the basis of development for the TRS HD range of boom systems.

"This list shaped our design strategy and allowed us to finalise a product range that was high quality and in line with the needs of mineral resources operators.

"This is what we have come up with – a line of heavy duty pedestal mounted boom systems that are specifically designed for large scale mining and high demand rockbreaking applications.

"The TRS HD Booms operate faster, have longer reach and carry larger hammers than previous generations of boom systems."

Mr Ingleson said the range was 7-models strong and proudly Australian made, spanning from 22.5 to 25.8 tonne, with reaches up to 17.8 metres.

Meanwhile, the TRS XD Series Booms were designed with capacity to carry extra-large hammers and were most suitable for longer reach applications.

The newly launched range includes the TRS

BoomSafe® Control System fitted as a standard feature to provide reliable, proven automated movements and collision prevention

The systems can be enabled with remote operation capabilities, which allow multiple rockbreakers to be controllable from a single workstation.

Operators can rely on improved safety features to reduce risk in the workplace, including energy absorbing mechanical slew stops and safety rated slew limit sensors.

Torsional strength has also been enhanced within the heavy duty boom structure to reduce operating stresses and over-sized pivot pins and bushes have been used to reduce bearing stresses, improve lubrication effectiveness and achieve a much longer wear life.

Mr Ingleson said these features and complementary products were designed to improve maintenance efficiency and safety, as well as to meet the needs of a dynamic and demanding mineral resources sector.

He said innovation was a core strength of

Total Rockbreaking Solutions, a quality he believed differentiated the Western Australia based company from the competition.

"Through innovative product development and new product ideas for servicing and maintenance, we have added significant value to our client's operations," Mr Ingleson said.

"Our focus on continuous improvement has also led to Total Rockbreaking Solutions being awarded an exclusive 3-year contract for the supply of boom systems and support services with one of the Pilbara's largest iron ore companies.

"As an authorised Rammer dealer, TRS focuses on providing innovative solutions and products for clients, starting from early engineering and design support through to routine site service and maintenance.

"We offer a full range of fixed pedestal mounted boom systems, that cover a variety of client needs.

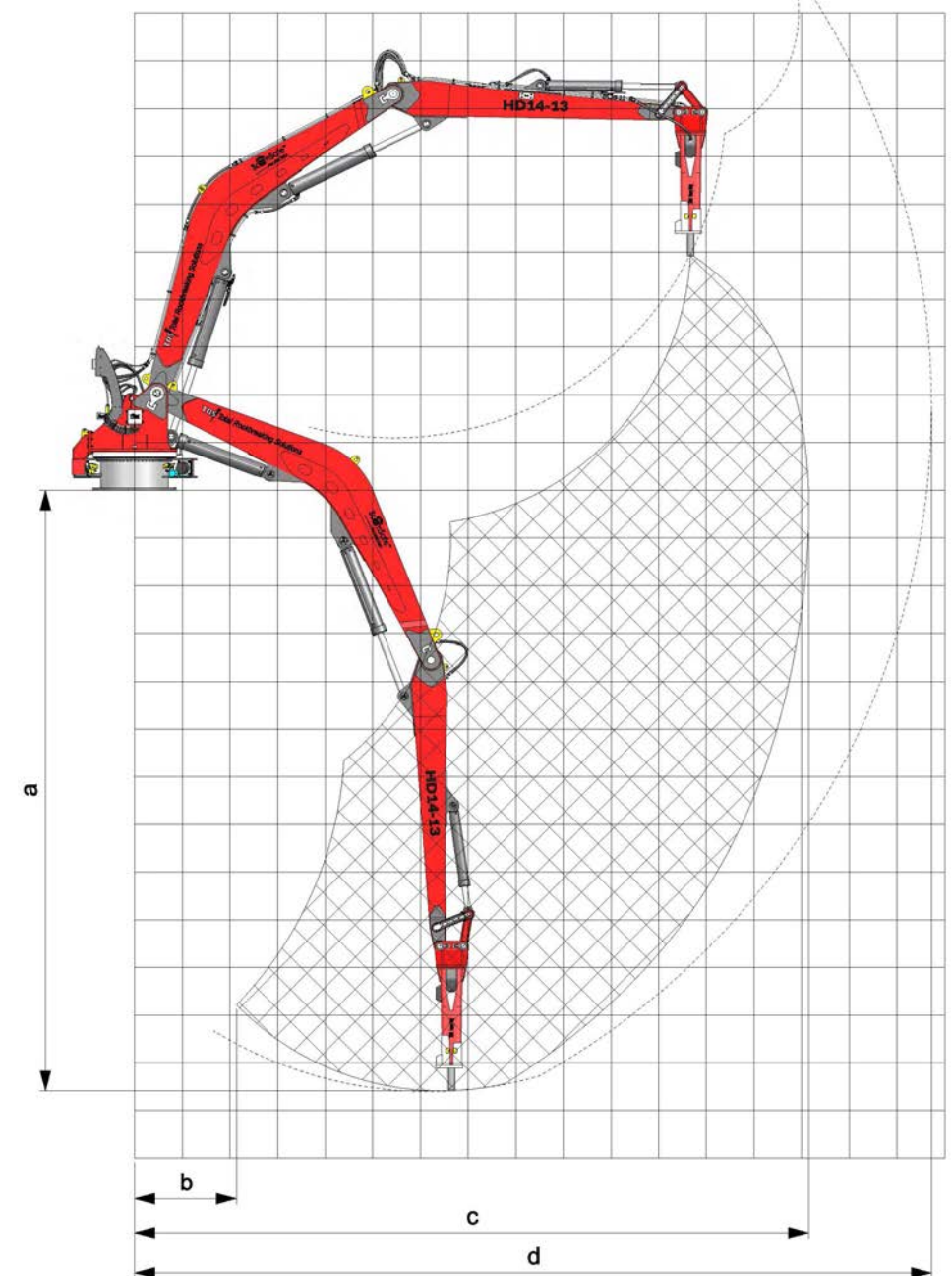
"This spans from proprietary Rammer boom systems through to high duty, remotely operated TRS booms with premium hydraulic power units, clean-fill lubrication systems and tool change facilities.

"Increasingly, what also interests operators is our commitment to local industry.

"At TRS we proudly support Australian manufacturing.

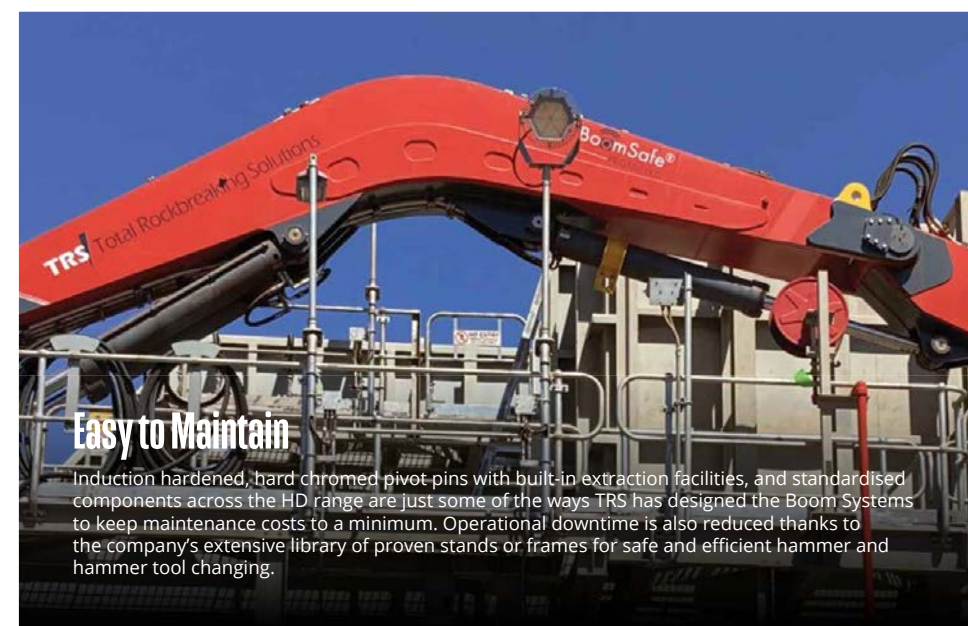
"All TRS boom systems and hydraulic power units are designed and manufactured in Australia under the strict supervision of our experienced personnel to achieve the highest possible quality of workmanship." **AMR**

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Performance

Increased movement speeds and longer reach booms means the HD range can cater for even the most demanding applications. The TRS 'Zero-Tension' hose support, 'Clean-Fill' lubrication system, and TRS BoomSafe® features are a powerful combination, providing reliable boom control and automation. The TRS HD Booms will also ensure that significant increases in availability and reliability can be achieved whilst maximising the overall life of the asset.



Easy to Maintain

Induction hardened, hard chromed pivot pins with built-in extraction facilities, and standardised components across the HD range are just some of the ways TRS has designed the Boom Systems to keep maintenance costs to a minimum. Operational downtime is also reduced thanks to the company's extensive library of proven stands or frames for safe and efficient hammer and hammer tool changing.

- Specifically engineered for high duty, hardworking applications
- Australian designed and manufactured
- Heavy duty, quality components
- High reliability design reduces downtime
- High speed of operation minimises total rockbreaking time
- Protected by BoomSafe® - the industry leader in reliable rockbreaker control systems
- Simple to configure collision avoidance system and automated movements
- True multi-user remote operation available
- 'Zero - Tension' connecting hose solutions
- Various proven systems for safe and fast hammer or tool changing
- Models ranging from 22.5 to 25.8 tonne with reaches up to 17.8m

INTRODUCING

TRS HD Series BoomSafe® protected Boom Systems

The TRS range of HD Series Boom Systems represents the next generation of pedestal mounted boom systems. They have been specifically engineered for the world's toughest mining environments and are designed to maximise reliability and availability in high duty, hardworking applications.

Protected by our industry leading BoomSafe® automation and control system, operators can enjoy one-touch PARK and DEPLOY movements and maintainers can rest assured that collision with surrounding infrastructure is prevented with our easy to configure BoomSafe® Smart Limits® system.

PERFORMANCE | SAFETY | RELIABILITY | EASY MAINTENANCE

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