

HMS GROUP

PROUDLY AUSTRALIAN MADE, OWNED AND OPERATED



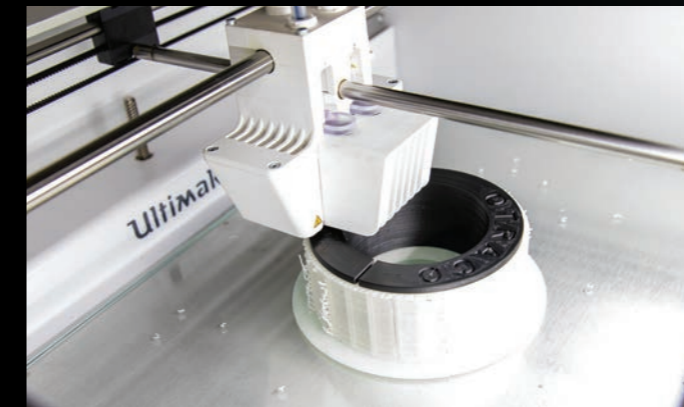
hms-group.com.au



Design & Prototyping

3D PRINTING SOLUTIONS

Unlocks the full potential that 3D printing technology has to offer. End-use plastic parts and components as well as prototypes and customised products are able to be created faster and at a lower cost than any other technologies available.



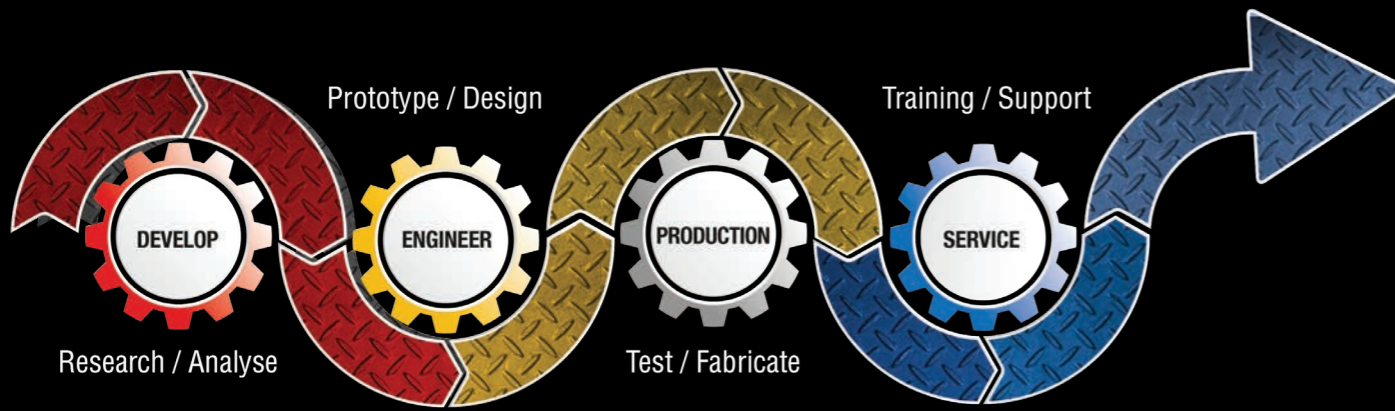
Fabrication & Engineering

3D 160 TONNE PRESS

The new generation 3D press at HMS gives the advantage of fast turn around and accuracy for the client. Ease of use combined with state-of-the-art technology go hand in hand, improving productivity.

WATER JET CAPABILITIES

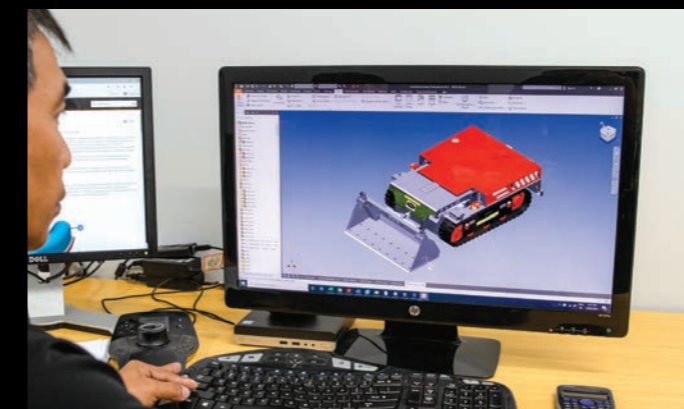
HMS Water jet is the latest technology in water cutting. The machine is capable of cutting 100mm steel, stone and wood - these are just a few of the many materials it can handle.



Customised Turnkey Solutions

HMS Group incorporating HMS Equipment, Hetronic Australasia, Roscamat, 3arm and 360 Colorguard® offer leading solutions to mining and industry. Backed by decades of industry knowledge, experience and the right team, HMS Group is your preferred industry partner.

Proudly servicing the mining, construction, industrial cleaning, water/waste and decommissioning industries throughout Australia and abroad.



COMPACT HMS 200 MINI LOADER



KEY FEATURES

Low Profile

- With a height of only 625mm, the mini loader is capable of working in most hard to access areas.

Proximity Detection System

- Alerts the operator when they are too close to the machine to prevent accidents.
- Shuts down the machine when operator is too close to the machine.

Hetriconic Remote Control

- Self-test routine.
- Emergency stop switch.
- Joysticks spring return to neutral.



HMS 200 Compact Mini Loader is a global award winning innovation utilising world class technology. The remote controlled mini loader provides the operator with increased capability, safety and productivity.

The ultra-low profile allows the mini loader to be used in hard to access areas such as under conveyor belts without the need for expensive shutdowns whilst maintaining productivity and safety.

Hetriconic Remote Control

Encased in a tough, IP65, fiber enforced polycarbonate case, the lightweight, ergonomic radio remote control by HMS Equipment, is rugged and reliable; engineered for the toughest industrial environments.

Offering increased safety, productivity and operational efficiency, the new mini loader with remote control uses patented User Interface (UI) technology for optimal control and reliability. New, fully proportional, electro-hydraulic valves deliver precise and repeatable movement under all working conditions.

*Actual products may vary in design and in use. We reserve the right to improve our products and change our specifications without notice. The gross horsepower of the engine has been laboratory rated by the manufacturer. Actual engine horsepower may be lower due to operating requirements.

COMPACT HMS 200 MINI LOADER SPECIFICATIONS



HMS 200 MINI LOADER SPECIFICATIONS

ENGINE	20HP Kubota D902, 3 cylinder, liquid cooled, diesel
FUEL TANK CAPACITY	20 Litres
HYDRAULIC TANK CAPACITY	115 Litres
SYSTEM PRESSURE	240 Bar
DIMENSION	Length: 2660mm (w/bucket) Height: 625mm Width: 1320mm
GROUND CLEARANCE	74mm
SPEED	Low speed: 2.5kph High speed: 5kph
WEIGHT	1720kg
BUCKET CAPACITY	Vol: 0.155m3 Mass: 375kg

HETRONIC RADIO REMOTE CONTROL SPECIFICATIONS

FREQUENCY RANGE	434MHz
RF POWER	10 mW standard
MODULATION	FM – Narrow band
BANDWIDTH	25kHz
TYPICAL RANGE	100m standard, 200m with optional antenna
TEMPERATURE RANGE	-25°C – 70°C
HUMIDITY RANGE	0 – 97%
RESPONSE TIME	Approx. 55ms
TRANSMITTER	IP65, built-in antenna, 12hrs continuous operation, spring return joystick
RECEIVER	IP65
BATTERY & CHARGER	Charger Power: 9 – 30 VDC, 110/220 VAC Charging Time: <4hrs Battery Life: Approx. 900 charges Battery Type: NiMh Battery Capacity: 1200mAH
CERTIFICATES	RCM, CE, TUV, SUVA, ISO 9001 & compliance with AS/NZS 4240.1:2009

HMS MINE COMPLIANT EX MINI LOADER

HMS MINE COMPLIANT EX MINI LOADER SPECIFICATIONS



KEY FEATURES

Low Profile

- With a height of only 625mm, the mini loader is capable of working in most hard to access areas.

MDR115275DES

- Full mine compliant remote control Ex Mini Loader

Hetriconic Remote Control

- Self-test routine.
- Emergency stop switch.
- Joysticks spring return to neutral.



HMS Mine Compliant Ex Mini Loader is a global award winning innovation utilising world class technology. The remote controlled mini loader provides the operator with increased capability, safety and productivity.

The ultra-low profile allows the mini loader to be used in hard to access areas such as under conveyor belts without the need for expensive shutdowns whilst maintaining productivity and safety.

Hetriconic Remote Control

Encased in a tough, IP65, fiber enforced polycarbonate case, the lightweight, ergonomic radio remote control by HMS Equipment, is rugged and reliable; engineered for the toughest industrial environments.

Offering increased safety, productivity and operational efficiency, the new mini loader with remote control uses patented User Interface (UI) technology for optimal control and reliability. New, fully proportional, electro-hydraulic valves deliver precise and repeatable movement under all working conditions.



HMS MINE COMPLIANT EX MINI LOADER SPECIFICATIONS

ENGINE	20HP Kubota D902, 3 cylinder, liquid cooled, diesel
FUEL TANK CAPACITY	20 Litres
HYDRAULIC TANK CAPACITY	115 Litres
SYSTEM PRESSURE	240 Bar
DIMENSION	Length: 2660mm (w/bucket) Height: 625mm Width: 1320mm
GROUND CLEARANCE	74mm
SPEED	Low speed: 2.5kph High speed: 5kph
WEIGHT	1720kg
BUCKET CAPACITY	Vol: 0.155m3 Mass: 375kg

HETRONIC RADIO REMOTE CONTROL SPECIFICATIONS

FREQUENCY RANGE	434MHz
RF POWER	10 mW standard
MODULATION	FM – Narrow band
BANDWIDTH	25kHz
TYPICAL RANGE	100m standard, 200m with optional antenna
TEMPERATURE RANGE	-25°C – 70°C
HUMIDITY RANGE	0 – 97%
RESPONSE TIME	Approx. 55ms
TRANSMITTER	IP65, built-in antenna, 12hrs continuous operation, spring return joystick
RECEIVER	IP65
BATTERY & CHARGER	Charger Power: 9 – 30 VDC, 110/220 VAC Charging Time: <4hrs Battery Life: Approx. 900 charges Battery Type: NiMh Battery Capacity: 1200mAh
CERTIFICATES	RCM, CE, TUV, SUVA, ISO 9001 & compliance with AS/NZS 4240.1:2009

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COMPACT HMS 200 FIRE ROBOT

COMPACT HMS 200 FIRE ROBOT SPECIFICATIONS



Compact HMS 200 is a global award winning innovation utilising world class technology. The remote controlled HMS 200 provides the operator with increased capability, safety and productivity.

Hetriconic Remote Control

Encased in a tough, IP65, fiber enforced polycarbonate case, the lightweight, ergonomic radio remote control by HMS Equipment, is rugged and reliable; engineered for the toughest industrial environments.

Offering increased safety, productivity and operational efficiency, the new mini loader with remote control uses patented User Interface (UI) technology for optimal control and reliability. New, fully proportional, electro-hydraulic valves deliver precise and repeatable movement under all working conditions.

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KEY FEATURES

Low Profile

- With a height of only 625mm, the mini loader is capable of working in most hard to access areas.

Proximity Detection System

- Alerts the operator when they are too close to the machine to prevent accidents.
- Shuts down the machine when operator is too close to the machine.

Hetriconic Remote Control

- Self-test routine. Emergency stop switch.
- Joysticks spring return to neutral.



HMS 200 FIRE ROBOT SPECIFICATIONS

ENGINE	20HP Kubota D902, 3 cylinder, liquid cooled, diesel
FUEL TANK CAPACITY	20 Litres
HYDRAULIC TANK CAPACITY	115 Litres
SYSTEM PRESSURE	240 Bar
DIMENSION	Length: 2660mm (w/bucket) Height: 625mm Width: 1320mm
GROUND CLEARANCE	74mm
SPEED	Low speed: 2.5kph High speed: 5kph
WEIGHT	1720kg
BUCKET CAPACITY	Vol: 0.155m3 Mass: 375kg

HETRONIC RADIO REMOTE CONTROL SPECIFICATIONS

RF POWER	10 mW standard
MODULATION	FM – Narrow band
BANDWIDTH	25kHz
TYPICAL RANGE	100m standard, 200m with optional antenna
TEMPERATURE RANGE	-25°C – 70°C
HUMIDITY RANGE	0 – 97%
RESPONSE TIME	Approx. 55ms
TRANSMITTER	IP65, built-in antenna, 12hrs continuous operation, spring return joystick
RECEIVER	IP65
BATTERY & CHARGER	Charger Power: 9 – 30 VDC, 110/220 VAC Charging Time: <4hrs Battery Life: Approx. 900 charges Battery Type: NiMh Battery Capacity: 1200mAH
CERTIFICATES	RCM, CE, TUV, SUVA, ISO 9001 & compliance with AS/NZS 4240.1:2009

MINE RUNNER



KEY FEATURES

- A dedicated vehicle with two and four wheel drive providing access to all parts of the mine.
- Small and highly manoeuvrable above and below ground. Able to travel at speeds of up to 38kph.
- Heavy duty utility tray allows carriage of up to 250kg.
- Inexpensive to buy, run and maintain.
- 100% Australian owned and operated.

Mine Runner has changed the way mine operators and contractors manage their daily mine access requirements. HMS Equipment has specifically designed and developed the Mine Runner to be an efficiency tool for mine management.

The Mine Runner offers the best in mine access solutions above or below ground. Not only does it save on space, time and money, it more than meets the most stringent requirements for mine safety.

The two seater, mine compliant, light duty Mine Runner provides fast, safe access to all parts of the mine for mine deputies, maintenance fitters, maintenance electricians, first aid personnel and contractors. Furthermore, its compact dimensions make it narrow enough to run alongside conveyor belts and easy to manoeuvre in minimal and otherwise inaccessible spaces.

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MINE RUNNER SPECIFICATIONS



MINE RUNNER SPECIFICATIONS

ENGINE	20HP Kubota D902-E4-UV, 3 cylinder, 4 cycle diesel, OHV
ONBOARD AIR COMPRESSOR	V Belt Driven
HYDRAULIC TANK CAPACITY	18 Litres (Oil)
SYSTEM PRESSURE	240 Bar
TRANSMISSION	Variable Hydrostatic Transmission
DIMENSION	Length: 3110mm Height: 2000mm Width: 1600mm
TURNING RADIUS	4 Metres
GROUND CLEARANCE	Front: 266mm Rear: 263mm Max water immersion: 300mm
SPEED	Maximum speed: 38kph
WEIGHT	1270kg Driver/Passenger Load: 350kg
STEERING	Hydrostatic Power
BRAKES	Front/Rear: Wet-disc brakes Parking Brake: Rear Wheels Spring applied/compressed air override
SUSPENSION	Front Suspension: Independent, Dual A-arms with adjustable spring preload; Travel 205mm Back Suspension: Independent with coil over shock; Travel 205mm
CARGO BED	Length: 1030mm Height: 285mm Width: 1465mm Vol: 0.43m ³ Mass: 250kg
VEHICLE SAFETY	Flameproof Lights and Alternator Inlet Manifold c/w Flame Trap Pneumatic Safety Circuit Emergency Engine shutdown Methane CH ₄ Monitor & Shutdown Fire Extinguisher Fire Suppression (available as an option) Door Open Interlocks

SPYDER MINI LOADER

SPYDER MINI LOADER SPECIFICATIONS



KEY FEATURES

- Cutting edge of global innovation utilising world class technology
- Manual and remote control all in one machine.
- 2 years or 1500 hours warranty
- Heavy duty construction machine built for all conditions and terrains
- 100% Australian made.



SPYDER MINI LOADER SPECIFICATIONS

ENGINE	20HP Kubota D902, diesel
FUEL TANK CAPACITY	20 Litres
HYDRAULIC TANK CAPACITY	90 Litres
SYSTEM PRESSURE	240 Bar
DIMENSION	Length: 2750mm (w/bucket) Height: 1412mm Width: 1065mm
GROUND CLEARANCE	160mm
SPEED	5kph
WEIGHT	1200kg
LIFT CAPACITY	600kg
ATTACHMENTS	Available attachments: 4-in-1 bucket, forks, broom, fines puller, cement mixer, trencher and many more.

MANUAL & REMOTE CONTROL SPECIFICATIONS

FREQUENCY RANGE	434MHz
TYPICAL RANGE	100m with optional 200m
TEMPERATURE RANGE	-25°C – 70°C
TRANSMITTER	IP65
RECEIVER	IP65
CERTIFICATES	RCM, CE, TUV, SUVA, ISO 9001 & compliance with AS/NZS 4240.1:2009 if required

Spyder

Introducing the innovative Spyder Mini Loader, proudly presented by HMS Equipment to the global market. This Australian-made machine is engineered for exceptional performance, safety, productivity and adaptability.

Equipped with state-of-the-art technology, the Spyder features both full radio remote control and manual control options, providing operators with flexibility. Crafted with precision and using high quality materials from local suppliers, it offers a comprehensive array of attachments each featuring a quick coupling plate and hydraulic quick connects for swift and efficient attachment changes – making it an unmatched choice for a wide range of applications.

Whether it's navigating a construction site or working in challenging terrains, the Spyder Mini Loader can travel and work where other machines cannot and stands out as a versatile and reliable solution.

PROUDLY MADE IN AUSTRALIA USING LOCAL SUPPLIERS

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CAVEMAN MINI LOADER

CAVEMAN MINI LOADER SPECIFICATIONS



KEY FEATURES

- Cutting edge of global innovation utilising world class technology
- Manual and remote control all in one machine
- 2 years or 1500 hours warranty
- Heavy duty construction machine built for all conditions and terrains
- 100% Australian made



CAVEMAN MINI LOADER SPECIFICATIONS

ENGINE	20HP Kubota D902, diesel
FUEL TANK CAPACITY	20 Litres
HYDRAULIC TANK CAPACITY	90 Litres
SYSTEM PRESSURE	210 Bar
DIMENSION	Length: 2750mm (w/bucket) Height: 1412mm Width: 1065mm
GROUND CLEARANCE	160mm
SPEED	5kph
WEIGHT	1200kg
LIFT CAPACITY	600kg
ATTACHMENTS	Available attachments: 4-in-1 bucket, forks, broom, fines puller, cement mixer, trencher and many more.

CAVEMAN

Introducing the innovative Caveman Mini Loader, proudly presented by HMS Equipment to the global market. This Australian-made machine is engineered for exceptional performance, safety, productivity and adaptability.

Equipped with state-of-the-art technology, the Caveman features advanced manual control options, providing operators with flexibility. Crafted with precision and using high quality materials from local suppliers, it offers a comprehensive array of attachments each featuring a quick coupling plate and hydraulic quick connects for swift and efficient attachment changes – making it an unmatched choice for a wide range of applications.

Whether it's navigating a construction site or working in challenging terrains, the Caveman Mini Loader can travel and work where other machines cannot and stands out as a versatile and reliable solution.

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WE'RE NOT JUST CREATING REMOTE CONTROLS, WE'RE CREATING A SAFER WORKPLACE



IF YOU'VE GOT INDUSTRIAL EQUIPMENT TO MOVE, WE'VE GOT THE REMOTE CONTROL TO MOVE IT.

Choosing an Industrial Radio Remote Control starts with the customer and their application.

When you need rugged reliability, performance and efficiency, you can trust Hetronic to deliver. Hetronic is committed to innovative Human-Machine Interface (HMI) technology, providing safe, reliable and affordable radio remote controls for industrial applications.

Features include:

- Latest Radio Frequency technology for interference free operation
- Performance enhancing control configurations with real-time feedback for safe operation
- Ergonomically designed for comfort and reduced muscle fatigue
- Dependable fail-safe electronics technology.
- Rugged, field-proven in tens-of-thousands of harsh environment applications
- Ex (IECEX & ANZEx) certified systems protect the operator and equipment in hazardous areas.

**Our mission is to provide quality,
safe and affordable products
while meeting or exceeding our
customers' expectations.**

Hetronic Australasia – Capability Statement

Hetronic Australasia is an integral part of the HMS Group of companies and the authorised Hetronic partner for Australia, New Zealand and the South Pacific Island regions.

Located centrally to the NSW mining, manufacturing and technology region we are well poised to provide solutions for all your radio remote control system needs locally, nationally and internationally.

Hetronic Australasia specialises in the custom design, manufacture and through life support of Industrial Radio Remote Control systems. Our controls offer world class technology, safety, local compliance and reliability backed by global support.

Benefits Hetronic Australasia's customers experience include:

- Friendly, highly skilled and attentive team
- Local system design, production and through life support
- High level technical engineering and software design
- Complete turnkey solutions
- Retrofit solutions
- Product training
- Australian compliance reviews
- Customisation and product branding
- Priority repair service
- Field or workshop service
- Systems integration
- ISO9001 QMS Certified
- IEC 60079-19 Certified Ex Service facility.



TRANSMITTERS DESIGNED FOR OPERATOR SAFETY

hetronic-australasia.com.au



ABOUT HETRONIC

Since 1982 Hetronic has delivered the finest, most reliable industrial Safety Radio Remote Control user interface solutions for process and equipment control applications in the industry. We have shipped over 500,000 safe and reliable transmitter/ receiver solutions to customers around the world. Our global network of service locations, in over 50 countries, provides expert service, support and sales when customers need safe, secure and reliable remote control solutions. Contact a Hetronic expert and learn more at www.hetronic-australasia.com.au



3ARM ERGONOMIC SOLUTIONS

WORLD'S BEST TAPPING ARMS



- Allows the full range of motion required to complete any task efficiently and safely.
- Permits use of heavy tools more accurately.
- Eliminates tool weight, providing not only an ergonomic benefit, but also increasing productivity.
- Reduces operator fatigue and the chance of musculoskeletal injury due to strain.
- Holds any tool up to 54kg, keeping the tool weightless, while eliminating possible damage caused by dropping the tool.

LIGHT & VERSATILE

- Light weight and compact size allow for easy set up and relocation.

PRACTICAL & SIMPLE

- Wide range of models and options allow you to precisely choose the perfect arm for your application.

RELIABLE & SAFE

- Robust materials and construction exceed design standards providing a lifetime of use.

3arm®

RASCAMAT®



360 Colorguard is a high performance industry product.

We provide dedicated customer support and technical expertise.



360 COLORGUARD STEEL

AUSTRALIAN MADE AND OPERATED



PREMIUM QUALITY PAINTED STEEL COILS

STRENGTH. COLOUR. CONFIDENCE.

High quality, durable and environmentally sustainable painted steel crafted in the Hunter Region, NSW.

Our Quality Promise

EXCELLENCE IN EVERY COIL

Quality begins with the right foundation. That's why 360 Colorguard sources only the finest raw steel and high-performance paints from trusted suppliers.

Every coil is precision coated and tested to meet the highest industry standards ensuring consistency, longevity, and visual appeal.

- Up to 36 Years Warranty for long term peace of mind
- Superior corrosion and UV resistance under Australian environmental conditions
- Advanced coating technology for vibrant, lasting colour.

When you choose 360 Colorguard, you're choosing uncompromising quality and reliability you can trust.

Sustainability and Innovation

ENVIRONMENTALLY FOCUSED

At 360 Colorguard sustainability isn't just a buzzword, it's our commitment.

We continuously refine our manufacturing processes to improve energy efficiency, reduce hazardous waste and minimise environmental impact.

- Eco-friendly coatings and processes
- Responsible sourcing of raw materials
- Continuous improvement in energy and resource management to improve environmental impact
- Strong focus on safety during the manufacturing process.

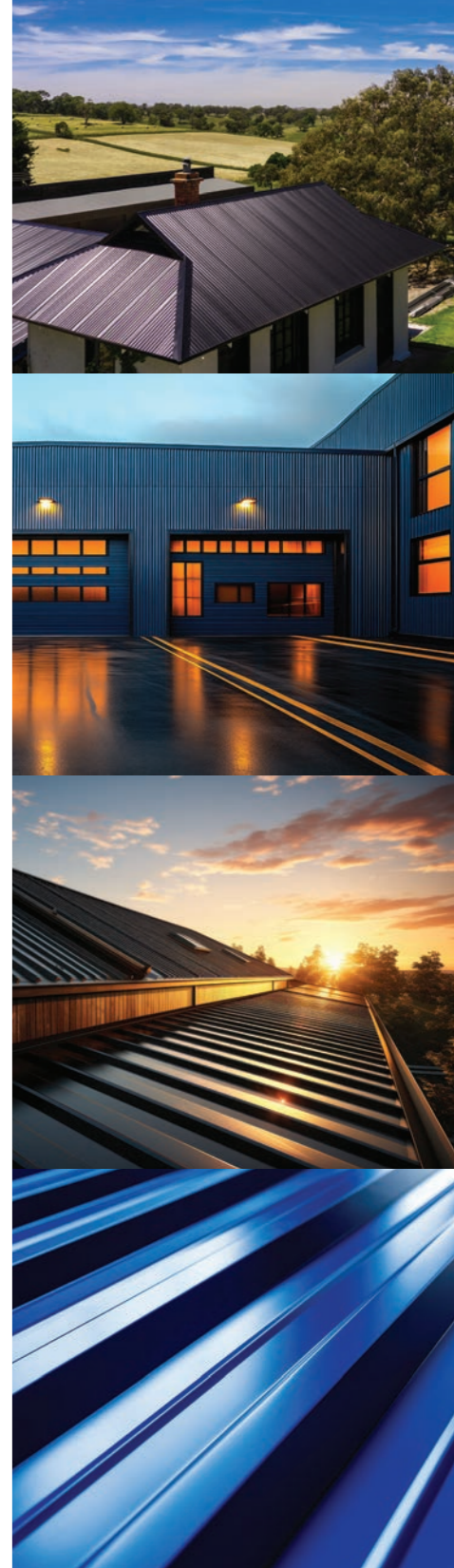
Because protecting the planet is just as important for us as protecting your projects.

Why Choose 360 Colorguard

THE RIGHT CHOICE

- Proudly Australian Made & Owned. Operated in the Hunter Region, NSW
- Exceptional product durability backed by up to 36 years warranty
- Vibrant, long lasting colours that resist fading and corrosion
- Environmentally responsible production
- Dedicated customer support and technical expertise.

360 Colorguard - where performance, colour and quality come as a complete package.





360 Colorguard provides an extended warranty

Our product is 100% recyclable and focused on sustainability.



360 COLORGUARD STEEL

WITH A VARIETY OF COLOURS, 360 COLORGUARD GIVES DESIGN AND BUILDING PROFESSIONALS THE FLEXIBILITY TO CREATE THE PERFECT RESIDENTIAL OR COMMERCIAL PROJECT.

HIGH STANDARDS

Proudly Australian made and owned, 360 Colorguard controls the manufacturing process for its products within Australia. All 360 Colorguard is guaranteed to meet the required Australian Standards outlined in the BCA and Standards set by AS2728 and AS1397.

PROVEN PERFORMANCE

360 Colorguard not only looks great, it's a proven performer. 360 Colorguard undergoes environmental field testing at marine and high UV accredited sites to ensure we offer a product with a high level of protection against corrosion, dirt and scratching with an excellent resistance to ultra violet rays.

EXTENDED WARRANTY

360 Colorguard provides a warranty on its products of up to 36 years. Meticulous adherence to substrate preparation and paint system quality control ensures that the construction integrity and surface resilience of the finished product is maintained for an exceptional length of time.

ADVANCED THERMOTECHNOLOGY

Advanced thermotechnology is included in all 360 Colorguard colours to significantly reduce solar absorbance through the surface of your roof.

ENVIRONMENT

360 Colorguard is 100% recyclable. Specifiers, architects and builders can be confident that 360 Colorguard ensures that its processes have a minimum effect on the environment and remains fully compliant with legislation requirements as well as following the best environmental practice standards.

AUSTRALIAN MADE AND OPERATED



Additional standard and boutique colour options are available on request.

DISCLAIMER: Colours shown throughout this brochure are as accurate as possible to actual paint colours. However, owing to limitations in printing process, the colours shown on swatches and images may not be wholly representative. Please contact 360 Colorguard to determine accuracy and suitability for your project.



HMS GROUP



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3arm

RASCAMAT

**HMS
EQUIPMENT**

HETRONIC



MINERUNNER

**360
COLORGUARD**