



**SPECIALIST
MACHINERY
SALES**

AUSTRALIA, NEW ZEALAND & SE ASIA

THOUGHT-LEADER IN STEEL PROCESSING AUTOMATION

REFERENCES FOR BLASTING PROJECTS



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www.SMSales.com.au**



SLF MEDIA BLAST ROBOT - RECO-BLASTER

Our ReCo-Blaster® represents cutting-edge technology in surface treatment, designed as an 8-axis robot controlled by electrical servo drives with absolute encoders. Operating along the full length of the blast room, its rack and pinion drive ensures precise positioning, while a vertical telescopic axis mounted to the crane trolley enhances mobility. To minimise wear, all drives and supply lines are housed and sealed, offering optimal protection against blast media.

Furthermore, polyurethane coating on the robot arms provides additional resilience. Offline programming, facilitated by CAD data, streamlines operations, allowing for precise control over blasting parameters. The advantages of ReCo-Blaster® include significantly higher surface treatment rates compared to manual methods, consistent quality, and high reliability. Its flexibility, durability, and compatibility with various blast media make it an ideal choice for a wide range of applications.

Additionally, its modular design enables retrofitting into existing blast rooms, ensuring versatility and efficiency in surface treatment processes.

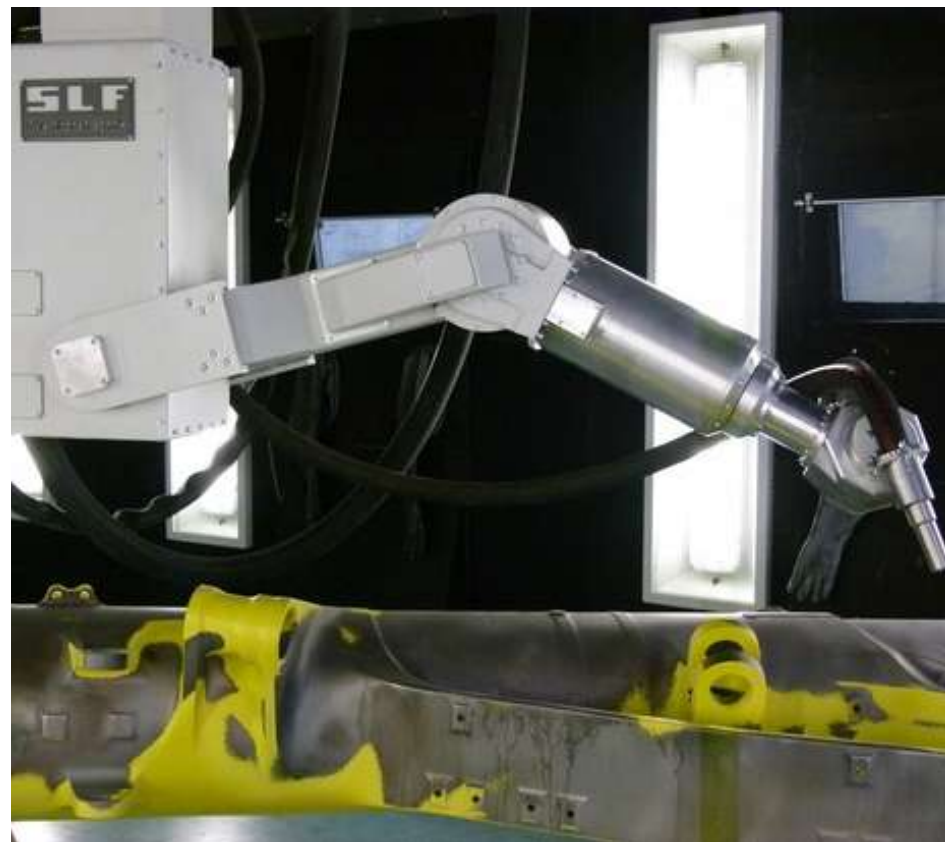


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BLASTROOM WITH MEDIA BLAST ROBOT RECO-BLASTER

Industry Sector

Foundry/wind energy sector

Work piece

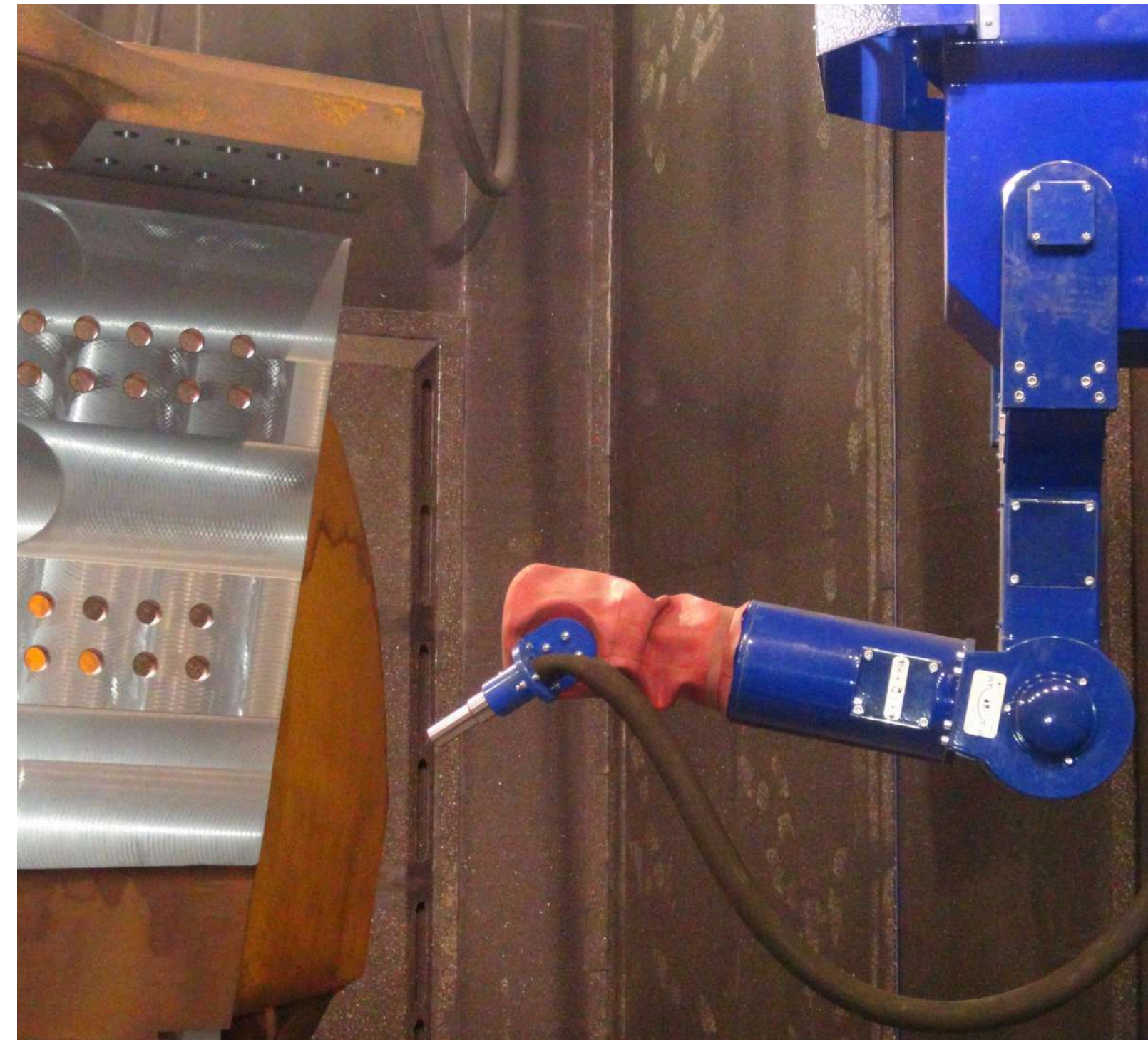
Foundry parts

Technical Data

- Blast room: L x W x H = 11 x 10 x 9 m
- Top-hung folding door: W x H = 4.8 x 5 m
- Suction power: 45,000 m³/h
- Media silo: 2,000 l
- Twin-chamber pressure blast pot: 200/150 l
- Floor completely covered with gratings for a wheel load of 2,000 daN

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster®
- Blast room with automatic work piece position control
- Including offline programming of work pieces



REFERENCE 1



MEDIA BLAST ROBOT RECO-BLASTER FOR THE USE IN AN EXISTING BATHROOM

Industry Sector

Rail vehicle construction

Work piece

Rail vehicles

Technical Data

- Blast room L x W x H = 29.5 x 7.33 x 7.85 m (by customer)

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster® with 8 axes
- Continuous blasting due to double-chamber pressure blast pot (200/150 l)
- 2 Horizontal scissor-type lifting platforms for the manual blasting process



Blast Robot – ReCo-Blaster



BLASTROOM WITH RECO-BLASTER

Industry Sector

Military

Work piece

Armoured hulls and chassis

Technical Data

- Blast room L x W x H = 21 x 8 x 8 m
- 2 Roll-up doors on the left side W x H = 7 x 7 m each
- 2 Roll-up doors on the right side W x H = 8 x 8 m each
- 1 Roll-up door in the centre of the booth serving as intermediate door W x H = 8 x 8 m
- Suction power: 87,500 m³/h
- Media silo: 3,000 l
- 5 Pressure blast pots: 200 l
- Floor completely covered with gratings for a wheel load of 4,000 daN

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster®
- LED lighting
- Maintenance platform for the filter units and the media reclamation system





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BLASTROOM WITH RECO-BLASTER



REFERENCE 3



BLASTROOM WITH MEDIA BLAST ROBOT RECO-BLASTER

Industry Sector

Machine construction

Work piece

Steel components

Technical Data

- Blast room 18 x 8.5 x 7 m (L x W x H)
- 2 Roll-up doors: 6 x 5 m (W x H)
- Suction power: 50,000 m³/h
- Media silo: 1,500 l
- Pressure blast pot: 200 l
- Twin-chamber pressure blast pot with two mixing chambers
- Floor completely covered with gratings for a wheel load of 2,000 daN

Special features

- Media blast robot ReCo-Blaster® with 8 axes
- Robot control
- Cross conveyor belt





BLASTROOM WITH MEDIA BLAST ROBOT RECO-BLASTER

Industry Sector

Aviation industry

Work piece

Landing gears

Technical Data

- Blast room L x W x H = 7.5 x 5.2 x 5 m
- 1 Top-hung folding door: W x H = 3 x 3 m
- Suction power: 18,000 m³/h
- Media silo: 500 l
- 1 Pressure blast pot: 200 l
- Twin chamber with 2 mixing chambers
- Floor completely covered with gratings for a wheel load of 1,000 daN

Special features

- Automatic blasting process using the ReCo-Blaster®
- Explosion-protected filter unit
- Rubber lining with a thickness of 20 mm
- 6 Manual blasting stations





BLASTROOM WITH MEDIA BLAST ROBOT RECO-BLASTER

Industry Sector

Wind energy sector

Work piece

Components for wind power plants

Technical Data

- Blast room L x W x H = 13.8 x 6.8 x 8 m
- Suction power: 35,000 m³/h
- Media silo: 2,000 l
- 2 Pressure blast pots for manual blasting and 1 twin-chamber pressure blast pot for automatic blasting
- Floor completely covered with gratings for a wheel load of 10,000 daN

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster®
- Offline programming of work pieces
- LED lighting
- Rubber lining with a thickness of 20 mm
- 2 Scissor-type lifting platforms for the manual blasting process
- Maintenance platform for media reclamation system and filter units





SIDE WALL GUIDED MEDIA BLAST ROBOT RECO-BLASTER FOR THE USE IN AN EXISTING BLASTROOM

Industry Sector

Wind energy sector

Work piece

Components for wind power plants

Technical Data

- Blast room L x W x H = 13.8 x 6.8 x 8 m
- Suction power: 35,000 m³/h
- Media silo: 2,000 l
- 2 Pressure blast pots for manual blasting and 1 twin-chamber pressure blast pot for automatic blasting
- Floor completely covered with gratings for a wheel load of 10,000 daN

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster®
- Offline programming of work pieces
- LED lighting
- Rubber lining with a thickness of 20 mm
- 2 Scissor-type lifting platforms for the manual blasting process
- Maintenance platform for media reclamation system and filter units



BLASTROOM WITH MEDIA BLAST ROBOT RECO-BLASTER

Industry Sector

Rail vehicle construction

Work piece

Rail vehicles

Technical Data

- Blast room L x W x H = 33 x 8 x 9 m
- 2 Roll-up doors W x H = 4.5 x 5.5 m each
- Suction power: 105,000 m³/h
- Media silo: 6,000 l
- 4 Pressure blast pots: 200 l each
- 1 Double-chamber pressure blast pot: 200/150 litres
- Floor completely covered with gratings for a wheel load of 400 daN

Special features

- Automatic blasting process by means of media blast robot ReCo-Blaster® with 8 axes
- 2 Scissor-type lifting platforms for the manual blasting process
- LED lighting
- Volume flow query for compressed air flow rate
- Blast hose query
- Saver circuit for the reduction of the air flow rate





MEDIA BLAST ROBOT RECO-BLASTER

Technical Data

- Blast cleaning with 19 mm nozzle
- Blast pressure of up to 10 bar possible
- 8 axes

Special features

- Purely motor driven
- For use with and without operator cabin
- Operation and programming by means of joysticks
- Broad reach





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MEDIA BLAST ROBOT RECO-BLASTER



REFERENCE 9



BLASTROOM WITH RECO-BLASTER

Demonstration system in SLF factory in Greven

Technical Data

- Blastroom L x W x H = 8.5 x 8.5 x 7.3 m
- 1 Double-winged door: W x H = 3 x 5.5 m
- Suction power: 30,000 m³/h
- Media silo: 1,000 l
- Twin-chamber pressure blast pot with 2 mixing chambers
- Floor partially covered with gratings for a wheel load of 3,000 daN

Special features

- Maintenance platform for filter and silo





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SLF BLAST ROOMS

Explore the exceptional capabilities of SLF blasting systems for your projects. Renowned in the industry for their precision and reliability, SLF systems are engineered to deliver unparalleled performance in surface preparation and finishing.

Whether managing large-scale industrial projects or intricate components, SLF's advanced technology guarantees superior results with every application. Our systems are meticulously crafted to ensure consistent, high-quality outcomes, minimising downtime and maximising productivity. With SLF, rest assured that your blasting projects will be executed efficiently and up to the highest standards. Witness the transformative impact of SLF on your operations, ensuring immaculate, refined surfaces.

Check out our reference projects below to see the proven effectiveness of SLF systems across diverse applications and industries.

LEARN MORE HERE ►





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SLF PAINTING SYSTEMS

Discover the exceptional capabilities of SLF Painting Systems, designed to revolutionise your coating processes with precision and efficiency. Our systems are engineered with cutting-edge technology to ensure superior results, whether you're painting large industrial components or intricate parts.

SLF Painting Systems offer unmatched flexibility, allowing you to customise your coating process according to your specific requirements. From wet paint spraying to powder coating, our systems cater to a wide range of applications, delivering high-quality finishes consistently. Equipped with innovative features such as customisable conveyor techniques, lifting platforms, and application techniques, SLF Painting Systems are tailored to optimise your workflow. Additionally, we provide ventilation components and equipment for paint mixing or storage rooms, ensuring a seamless and efficient painting process from start to finish.

Check below for examples of successful projects using SLF Painting Systems in various industries and applications, demonstrating our commitment to excellence and customer satisfaction.

LEARN MORE HERE ►





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SLF COMBINED BLASTING AND PAINTING SYSTEMS

SLF Combined Blasting and Painting Systems provide a seamless solution for surface treatment, integrating blasting and painting processes into one efficient system. Engineered with advanced technology, our systems ensure precision and productivity, delivering consistent high-quality finishes.

Tailored to meet specific application needs, our customisable features include conveyor techniques, lifting platforms, and application techniques.

Check below for reference projects highlighting the versatility and reliability of SLF Combined Blasting and Painting Systems across various industries and applications.

LEARN MORE HERE ►





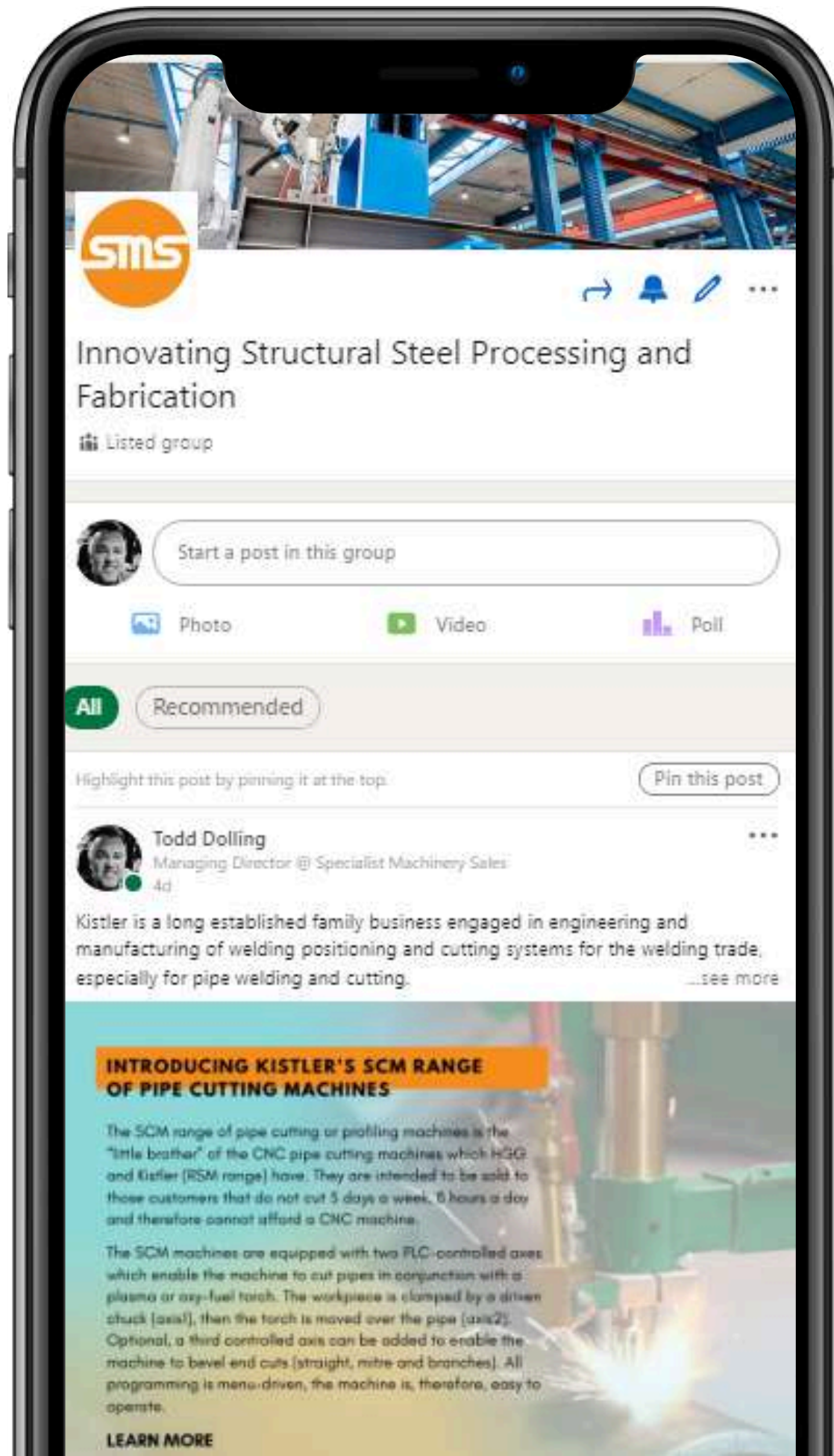
LOOKING TO BUY PRE-LOVED MACHINERY?

Specialist Machinery Sales offer second-hand or used structural steel processing machinery from Kaltenbach, Gietart, Haeusler, SLF and more.

Generally, the machines that SMS has access to are from trading for new machines offered from the machine tool builders to clients of SMS in Australia and New Zealand. Most machines are between 5 and 15 years of age with full-service history available. Some machines can be inspected under power or in their shipping packing ready for immediate delivery to Australasia.



LEARN MORE HERE ►

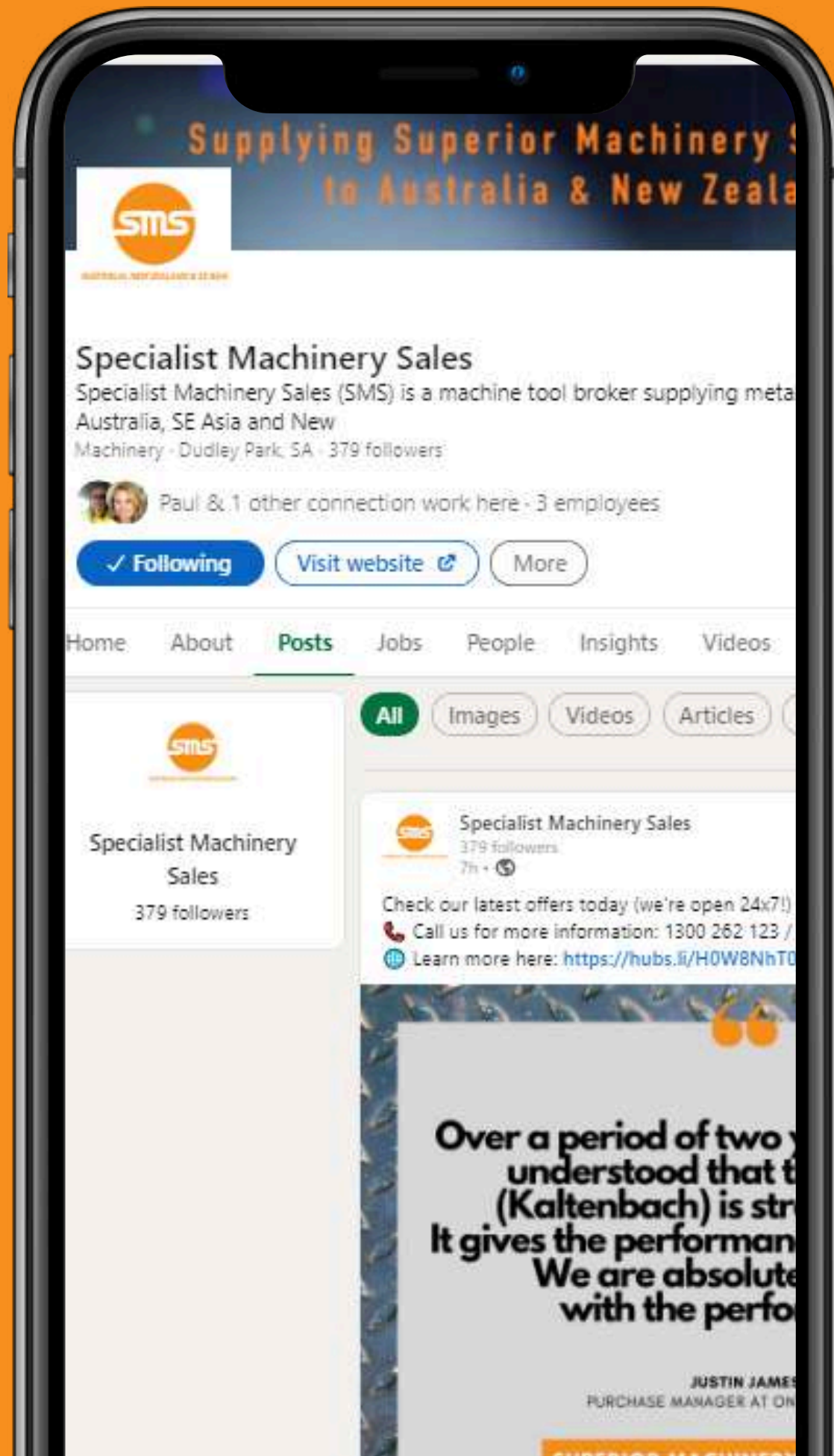


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