



**SPECIALIST
MACHINERY
SALES**

AUSTRALIA, NEW ZEALAND & SE ASIA

THOUGHT-LEADER IN STEEL PROCESSING AUTOMATION

REFERENCES FOR BLASTING PROJECTS



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SLF BLAST ROOMS

Discover the exceptional capabilities of SLF references for your blasting projects. Renowned in the industry for their precision and reliability, SLF systems are designed to deliver unmatched performance in surface preparation and finishing.

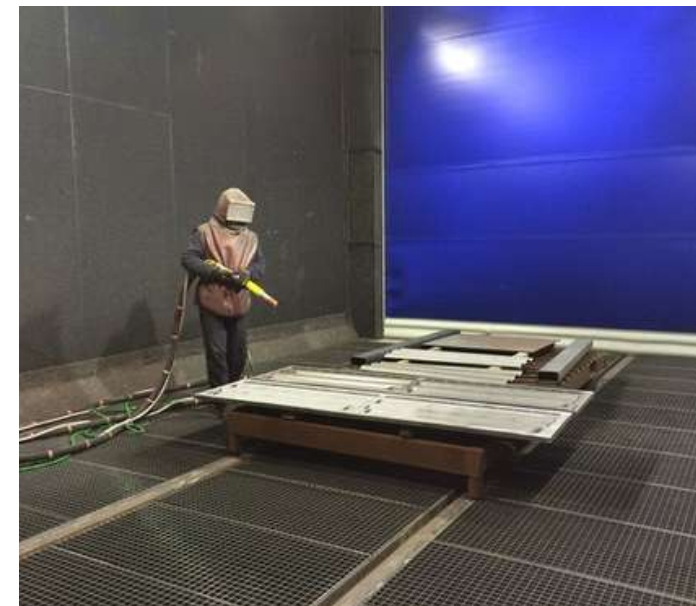
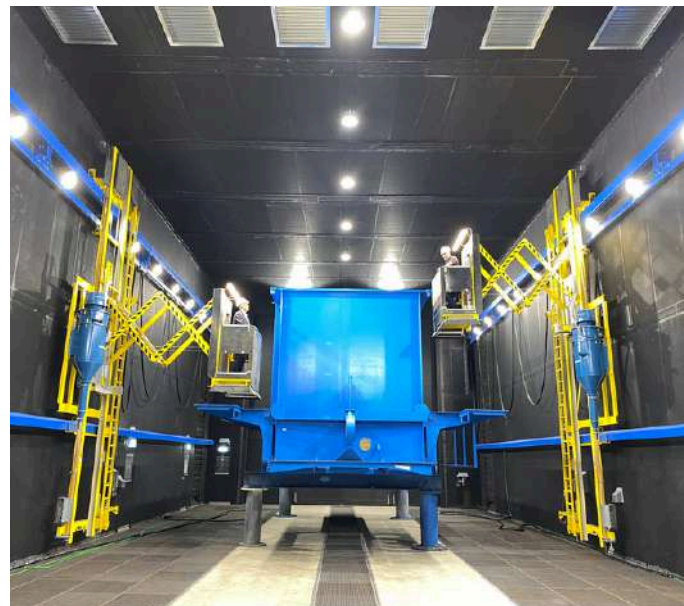
Whether you are handling large-scale industrial projects or working on intricate components, SLF's advanced technology ensures superior results every time. Our systems are built to provide consistent, high-quality outcomes, reducing downtime and increasing productivity. With SLF, you can trust that your blasting projects will be completed efficiently and to the highest standards. Experience the difference that SLF can make in your operations, ensuring clean, smooth, and expertly finished surfaces.

Choose SLF for your blasting needs and achieve exceptional results in every project.





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BLASTROOM WITH LONGITUDINAL LAMELLA-TYPE CONVEYOR AND CROSS SCREW CONVEYOR

Industry Sector

Transformer construction

Work piece

Transformers

Technical Data

- Blast room L x W x H = 15.3 x 7.03 x 8 m
- 1 Top-hung folding door W x H = 5 x 6 m
- Suction power: 30,000 m³/h
- Media silo: 2,000 l
- 2 Pressure blast pots: each 200 l (retrofitting of 2 additional pressure blast pots is possible)
- Floor completely covered with gratings for a wheel load of 2,000 daN on a load area of 200 x 260 mm

Special features

- Filter unit for room ventilation mounted on the roof of the blast room
- Lifting platforms with a lifting height of 4800 mm
- Automatic change over for summer/winter mode
- Separate filter unit for media reclamation system





BLASTROOM WITH LONGITUDINAL LAMELLA-TYPE CONVEYOR AND CROSS SCREW CONVEYOR



Automatic vibrating screen

Wind sifting unit

Separate filter unit for media reclamation system

Bucket elevator

Pressure blast pots



Lifting platform type
HS2852S, swiveling



Lifting platform type
HS2852S, swiveling



FREE BLASTROOM WITH LONGITUDINAL AND TRANSVERSE SLAT CONVEYOR AND ZINC SPRAY EXTRACTION

Industry Sector

Steel construction

Work piece

Steel profile

Technical Data

- Blasting room L x W x H = 22 x 6 x 6 m
- 1 hanging folding door W x H = 6 x 6 m
- Extraction capacity: 33,000 m³/h
- Blasting media silo: 1,500 l
- 1 pressure jet blower: 200 l
- Fully rusted for wheel load of 3500 daN to 200 x 260 mm

Special features

- Separate extraction system for zinc spraying
- Blasting and zinc spraying in the same room
- Foil to cover the gratings during zinc spraying, including winding and unwinding device
- Ceiling slot
- Robust blasting chamber housing construction enables retrofitting a blasting robot





FREE BLASTROOM WITH LONGITUDINAL AND TRANSVERSE SLAT CONVEYOR AND ZINC SPRAY EXTRACTION



Rolling and unrolling device for the film to cover the gratings



Ceiling slot 11 x 0.5 m, with powered ceiling flap,
enables the use of a bridge crane.



BLASTROOM WITH LONGITUDINAL AND CROSS LAMELLA-TYPE CONVEYOR

Industry Sector

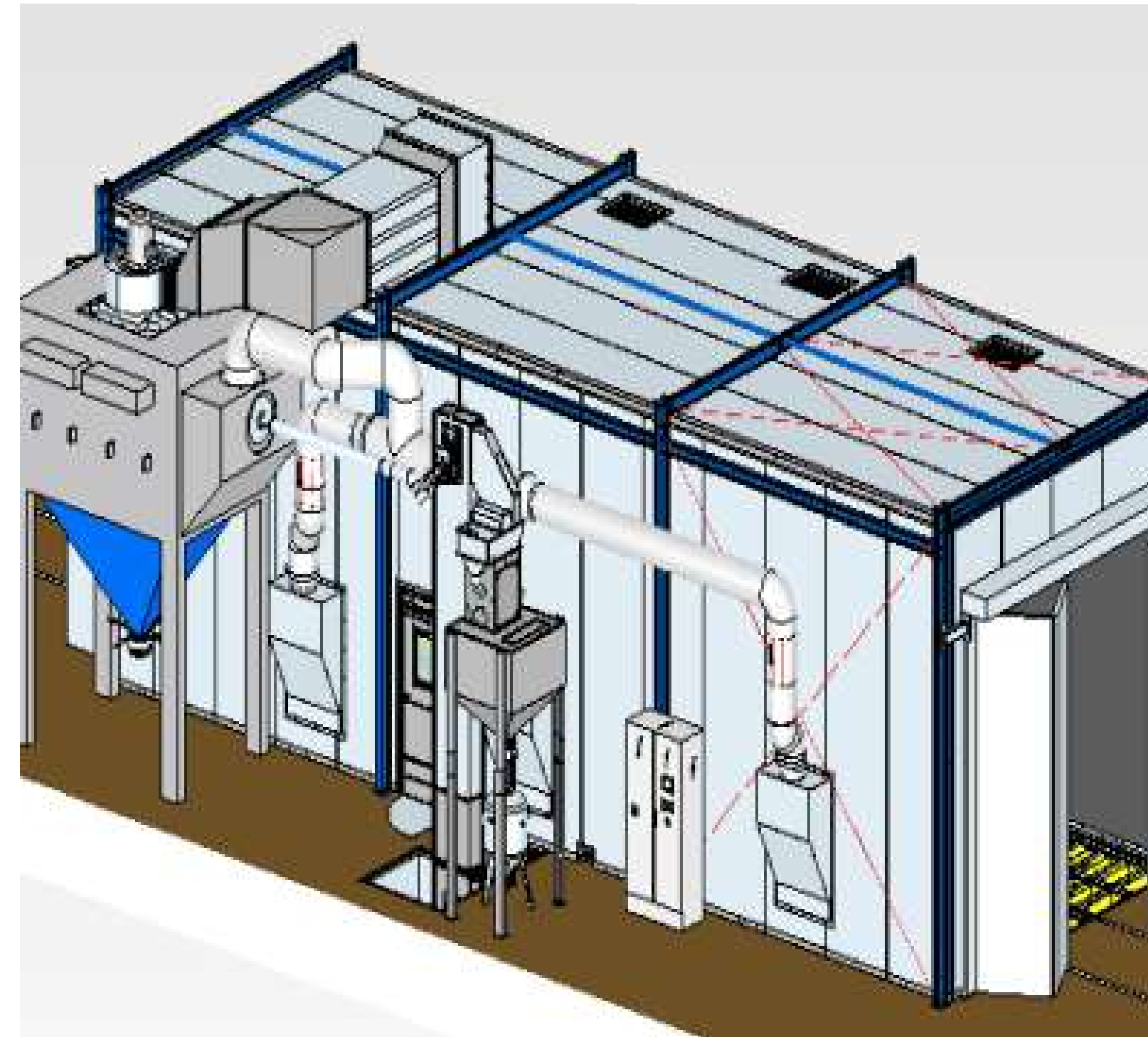
Steel construction

Work piece

Steel structures

Technical Data

- Blast room L x W x H = 15 x 5 x 5 m
- 2 Top-hung folding doors W x H = 4 x 4 m
- Suction power: 17,500 m³/h
- Media silo: 1,000 l
- 1 Pressure blast pot: 200 l
- Floor completely covered with gratings for a wheel load of 450 daN





BLASTROOM WITH LONGITUDINAL AND CROSS LAMELLA-TYPE CONVEYOR



Interior view of the blastroom with floor completely covered with gratings



BLASTROOM WITH LONGITUDINAL AND CROSS LAMELLA-TYPE CONVEYOR



Dust collecting hopper with Big Bag to be manually emptied underneath the filter unit



Media silo and pressure blast pot



BLASTROOM WITH LONGITUDINAL AD CROSS LAMELLA-TYPE CONVEYOR

Industry Sector

Vehicle construction

Work piece

Military vehicles and components

Technical Data

- Blast room L x W x H = 12 x 6 x 5 m
- Door dimensions W x H = 6 x 5
- Suction power: 24,000 m³/h
- Media silo: 1,500 l
- 2 Pressure blast pots: 200 l each
- Floor completely covered with gratings for a wheel load of 2,000 daN on 200 x 260 mm

Special features

- Circulating air mode





SAND BLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSE SCREW CONVEYOR

Industry Sector

Crane construction

Work piece

Port cranes

Technical Data

- Sand room L x W x H = 45 x 12 x 9 m
- 2 motorised hanging folding doors L x H = 8 x 8 m
- Suction power 105,000 m³/h
- Silo d abrasive: 6,000 liters
- 4 pressure sandblasters: each of 200 liters
- Partial grating designed for a wheel load of 5,000 daN on 200 x 500 mm

Special features

- Sandblasting room with rolling door, divisible into 2 bedroom
- LED lighting
- Maintenance platforms for the bucket elevator and abrasive treatment
- Device for blowing the treated parts using the sandblasting nozzles with deadman function and radio remote control
- Economical circuit to reduce air flow during pauses
- 3 mobile compressed air suction systems
- 2 horizontal scissor lifts





SAND BLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSE SCREW CONVEYOR



Sandblasting room with two horizontal scissor lifts guided by the side walls



SAND BLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSE SCREW CONVEYOR



Interior view of a sandblasting room



6 filter systems with suction power of 105.000 m³/h



OPEN JET ROOM WITH LONGITUDINAL AND TRANSVERSE SLAT CONVEYOR

Industry Sector

Scaffolding and surface service provider

Work piece

Steel parts

Technical Data

- Blasting room L x W x H = 20 x 5 x 5 m
- 2 roller doors: W x H = 4.5 x 4.5 m
- Extraction capacity: 30,000 m³/h
- Blasting media silo: 1,500 l
- 2 pressure jet blowers: 200 l each
- Fully rusted for wheel load of 3,000 daN

Special features

- Summer/winter operation with automatic
- Switch flaps
- Maintenance platform at the silo



Pressure jet blower



SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND SCREWS ENDLESS TRANSVERSE

Industry Sector

Construction of railway vehicles

Work piece

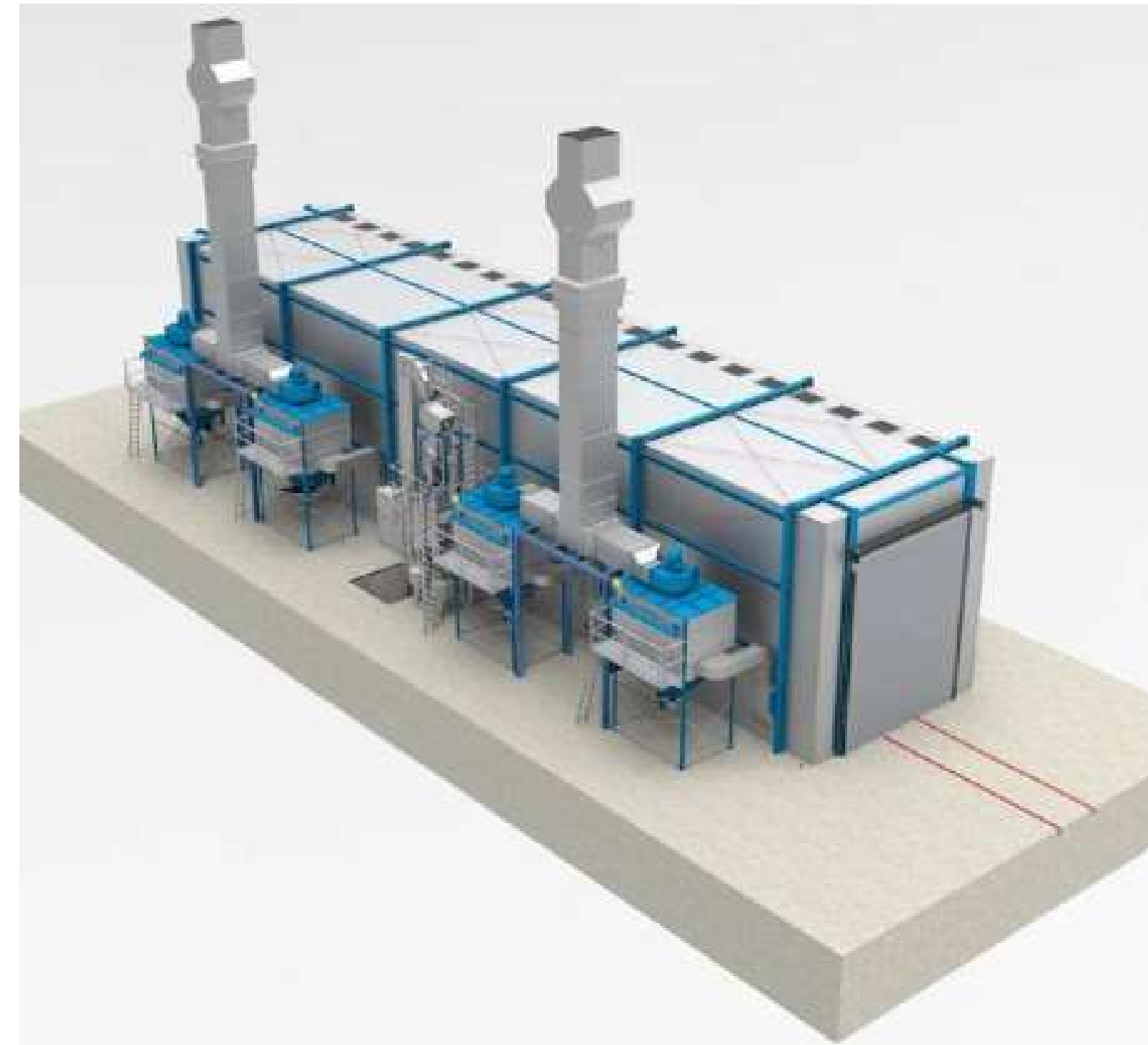
Railway vehicles

Technical Data

- Sandblasting room L x W x H = 30 x 6.5 x 7.2 m
- 2 Roller doors L x H = 4.5 x 5.7 m
- Suction power: 66,000 m³/h
- Abrasive silo: 2,000 liters
- 4 Pressure sandblasters: each of 200 liters
- Integral grating for a wheel load of 250 kg/m²

Special features

- Mobile abrasive resuction installation
- Swivel lifting platforms





SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND SCREWS ENDLESS TRANSVERSE



Sandblasting room with two electrically operated roller doors on the frontal sides



Mobile abrasive resuction installation



SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND SCREWS ENDLESS TRANSVERSE



Abrasive silo and filter plants with maintenance platforms



Abrasive silo with four pressure sandblasters



SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSAL

Industry Sector

Concrete

Work piece

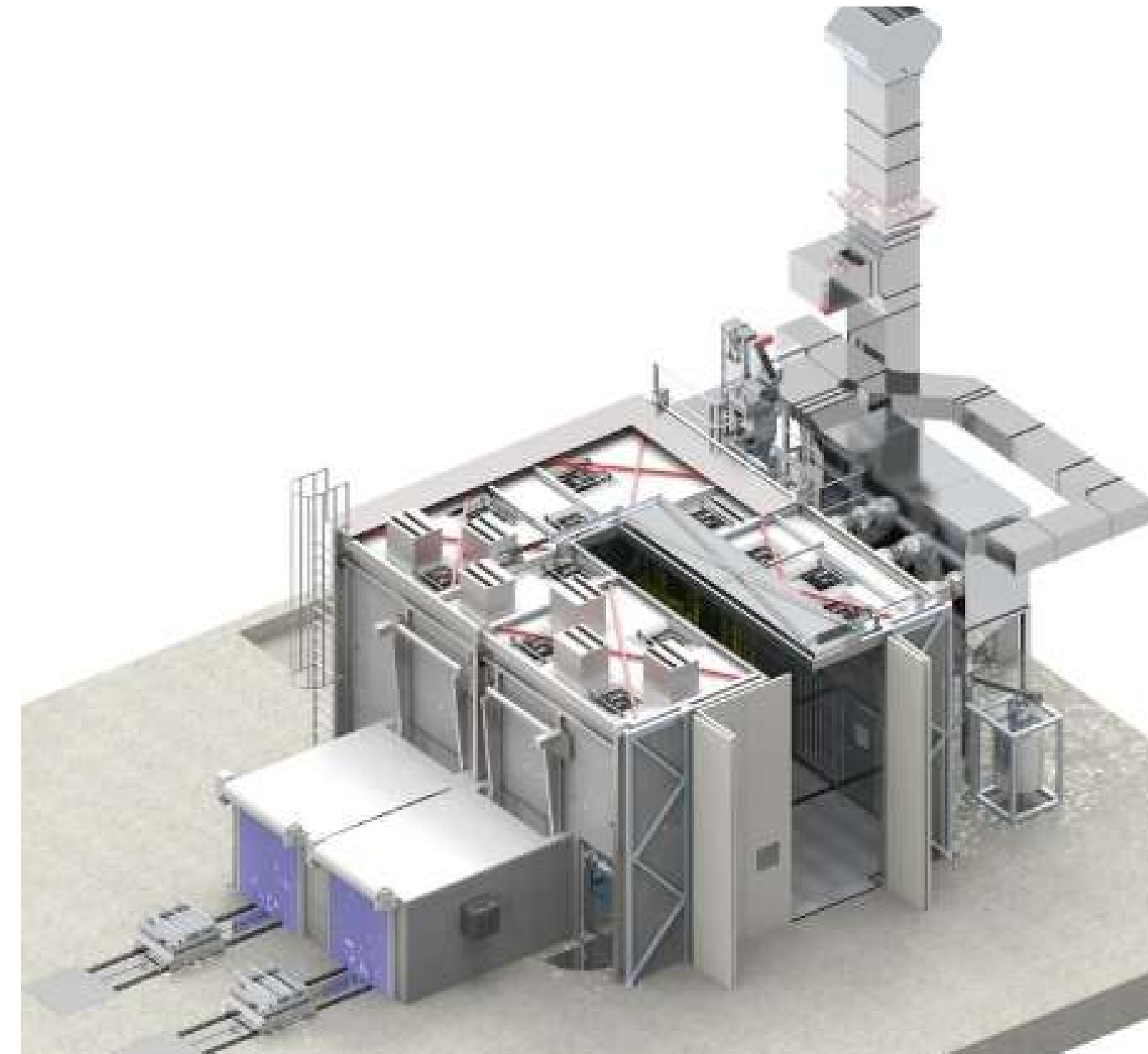
Concrete steps

Technical Data

- Sandblasting room L x W x H = 9 x 7 x 5.25 m
- 1 Hanging folding door L x H = 4.5 x 5.25 m
- 2 Roll-up doors L x H = each 1.8 x 2.0 m
- Power suction: 30,000 m³/h
- Abrasive silo: 1,500 liters
- 1 Pressure sandblaster: 200 liters
- Integral grating for a wheel load of 4,000 daN

Special features

- Dosing of the abrasive by Magna-Valve
- LED lighting
- Pneumatic ceiling damper
- 2 Transport trolley for a piece weight of 1.5 t each
- 2 cable traction devices
- 1 Horizontal scissor lift platform





SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSAL



Front view of sandblasting room with hanging folding front door for loading large parts



Side view with two airlocks for importing small parts, equipped with two roller doors (at the rear) and two doors automatic sectionals (front)



SANDBLASTING ROOM WITH LONGITUDINAL SLAT CONVEYOR AND TRANSVERSAL



Parts transport cart



Side-guided scissor lift platform for processing large rooms



COMBINED ZINC SPRAYING AND SANDBLASTING BOOTH (CABIN 3)

Industry Sector

Metal construction

Work piece

Steel aprts, castings

Technical Data

- Sandblasting room L x W x H = 11.8 x 6.8 x 7 m
- Sandblasting suction power: 24,000 m³/h
- Zinc spraying suction power: 20,000 m³/h

Special features

- Grating load 10,000 daN
- Lifting platforms
- Automatic folding doors suspended from both sides
- Complete recycling of the abrasive





COMBINED ZINC SPRAYING AND SANDBLASTING BOOTH (CABIN 3)



Spray galvanizing



Zinc fill station



BLASTROOM WITH LONGITUDINAL AND CROSS LAMELLA-TYPE CONVEYOR

Industry Sector

Steel construction

Work piece

Steel components

Technical Data

- 1 Blast room L x W x H = 17 x 5.5 x 4.2 m
- Suction power: 24,000 m³/h
- Media silo: 1,500 l
- 2 Pressure blast pots: 200 l each

Special features

- Maintenance platform on the silo





SANDBLASTING ROOM WITH LONGITUDINAL LAMELLA CONVEYOR AND TRANSVERSAL LAMELLA CONVEYOR AS WELL AS GUN METALLISATION BOOTH

Industry Sector

Vehicle construction

Work piece

Steel chassis for commercial

Technical Data

- Sandblasting room L x W x H = 18 x 6 x 5.5 m
- Gun metallisation booth

Special features

- Sandblasting room and gun metallization booth with chain hoists with a washing capacity of 2.0 t per chain hoist resp. 800 kg per chain hoist for small parts
- Sandblasting room with pivoting curtains like anti-wear protection for roller doors





SANDBLASTING ROOM WITH LONGITUDINAL LAMELLA CONVEYOR AND TRANSVERSAL LAMELLA CONVEYOR



Sandblasting room with chain hoists for suspending the parts to be treated



GUN METALLISING BOOTH



Gun metallising booth with chain hoists for suspending the parts to be treated



BLASTROOM WITH LONGITUDINAL AND CROSS LAMELLA-TYPE CONVEYOR

Industry Sector

Mechanical Engineering

Work piece

Steel components for the mining industry

Technical Data

- Blast room L x W x H = 10 x 6 x 5 m
- Suction power: 15,000 m³/h
- Media silo: 1,000 l
- 1 Pressure blast pot: 200 l
- Floor completely covered with gratings for a wheel load of 8,000 daN on 200 x 500 mm

Special features

- Maintenance platform on the silo
- Customer provided blast room in brickwork design



Maintenance platform on the silo with vertical ladder



2 BLASTROOMS WITH CROSS CONVEYOR BELT

Industry Sector

Wind energy sector

Work piece

Wind towers

Technical Data

- Blast room L x W x H = 38.2 x 7 x 6.5 m each
- 2 Top-hung folding doors each: W x H = 6 x 6.2 m
- Suction power: 75,000 m³/h
- Media silo: 12,000 l
- 3 Pressure blast pots: each 200 l (retrofitting of 4th pressure blast pot is possible)
- Floor partially covered with gratings for a wheel load of 3,500 daN

Special features

- Air recirculation mode



Filter unit



BLASTROOM WITH LONGITUDINAL LAMELLA-TYPE CONVEYOR AND CROSS SCREW CONVEYOR

Industry Sector

Rail vehicle sector

Work piece

Rail vehicles

Technical Data

- 1 Blast room L x W x H = 32.2 x 7.5 x 8.35 m
- Suction power: 99,000 m³/h
- Media silo: 2,000 l
- 4 Pressure blast pots: each 200 l

Special features

- Mobile, compressed air operated media recovery unit
- 2 Scissor-type lifting platforms
- Magnetic separating roller





BLASTROOM WITH LONGITUDINAL LAMELLA-TYPE CONVEYOR AND CROSS SCREW CONVEYOR



Machine room with filter unit



Magnetic separating roller



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SLF MEDIA BLAST ROBOT - RECO-BLASTER

Our "ReCo-Blaster®" represents advanced automated blasting technology, featuring an 8-axis design controlled by electrical servo drives. With precise movement capabilities along the blast room, including rack and pinion drive and vertical telescopic axis, it ensures optimal mobility and accuracy.

Sealed bearings and polyurethane-coated arms protect against wear and blast media impact. Offline programming via CAD data and Robot Expert software enhances efficiency, while a handheld control panel enables real-time adjustments.

Check reference projects below for proven success in various applications.

[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 ▶](#)



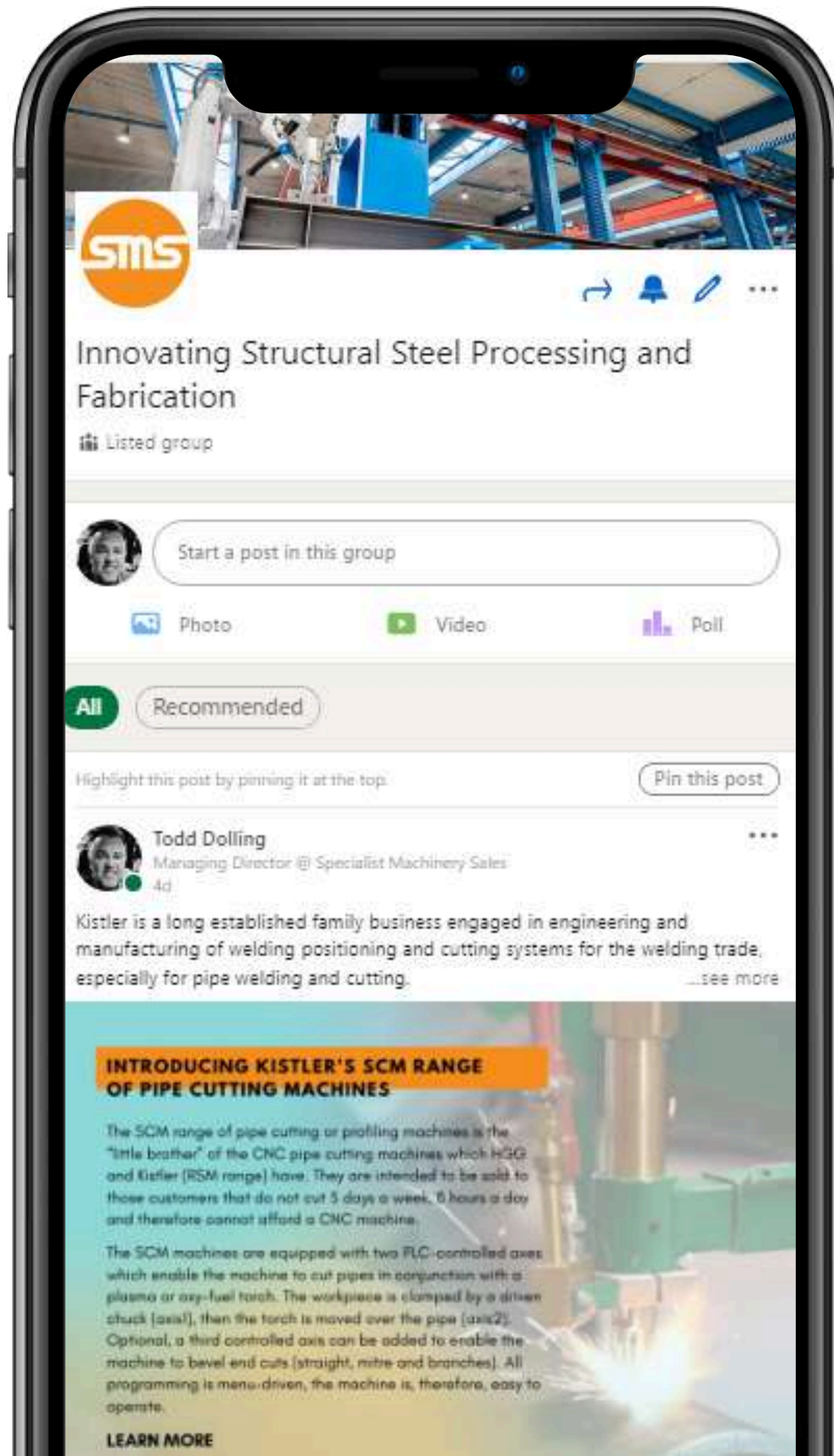


LOOKING TO BUY PRE-LOVED MACHINERY?

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 ▶](#)

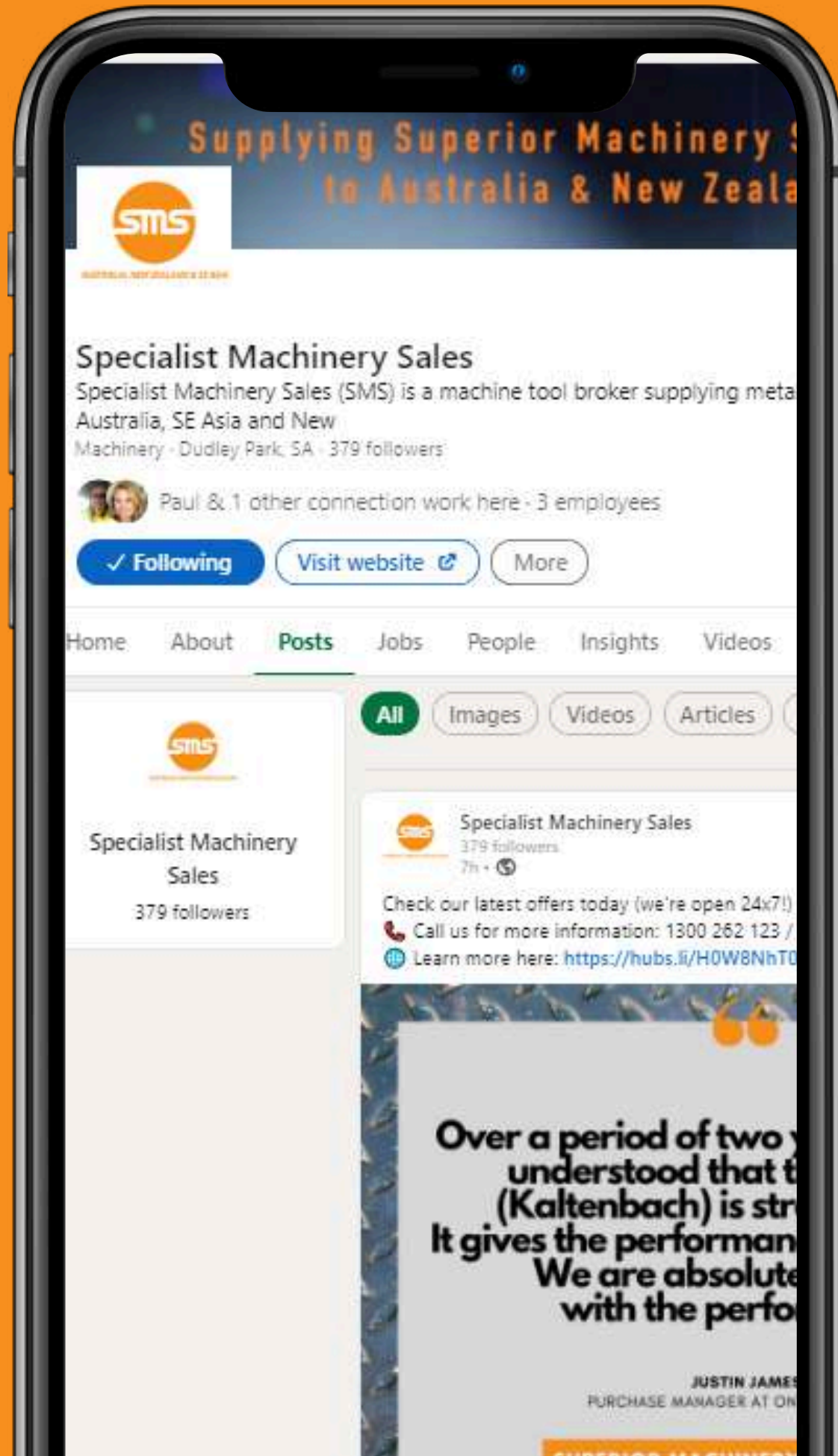


JOIN OUR EXCLUSIVE AND GROWING LINKEDIN GROUP

Join our growing and exclusive LinkedIn Group - [Innovating Structural Steel Processing and Fabrication Group](#).

In this group, we bring in thought leadership content, topics, trends and challenges within the steel industry and steel processing automation. We encourage everyone to share your business challenges and solutions that you have encountered and how steel processing automation had helped achieved your business objectives.

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