LASER MACHINES



LSP H Series

Deburring and Chamfering Machine

www.lasermachines.com.au

OVERVIEW

The Lanuss LSP-H Series is a high-performance range of automatic deburring and surface finishing machines designed to streamline post-processing for sheet metal parts produced by laser cutting, punching, plasma cutting and waterjet cutting. Combining advanced abrasive technology with flexible processing configurations, the LSP-H Series provides an efficient solution for removing burrs, eliminating sharp edges, rounding corners and refining surface finishes across a wide range of metal components.

With wide working widths and multi-stage abrasive systems, the LSP-H Series can be configured to suit different material types, part geometries and finishing requirements. From removing heavy slag and cutting residues to achieving consistent edge rounding and surface polishing, these machines help manufacturers maintain a high standard of finish across their production runs.

Designed with productivity and ease of operation in mind, the LSP-H Series incorporates intelligent control systems and flexible material feeding options to support reliable, repeatable processing. By automating traditionally labour-intensive finishing tasks, manufacturers can reduce manual handling, improve workflow efficiency and achieve more consistent results from part to part.

FEATURES

Flexible Feeding Options
Magnetic for ferrous parts, vacuum for non-ferrous or coated sheets.

User-Friendly Controls
Touchscreen controller with fine brush adjustment (0.01 mm) for reliable repeatability.

Clean & Safe Operation
Integrated dust collection system with wet or pulse-jet filtration for a safer and cleaner workplace.

Robust Build Quality
Heavy-duty frame with CE/ISO certification, engineered for high production environments.

Consistent, High-Quality Finish
Produces smooth, uniform surfaces and rounded edges without damaging protective films or coatings.

Wide Processing Range
Supports sheet thicknesses from 0.5 mm up to 80 mm, making it suitable for thin sheet components as well as heavy plate.

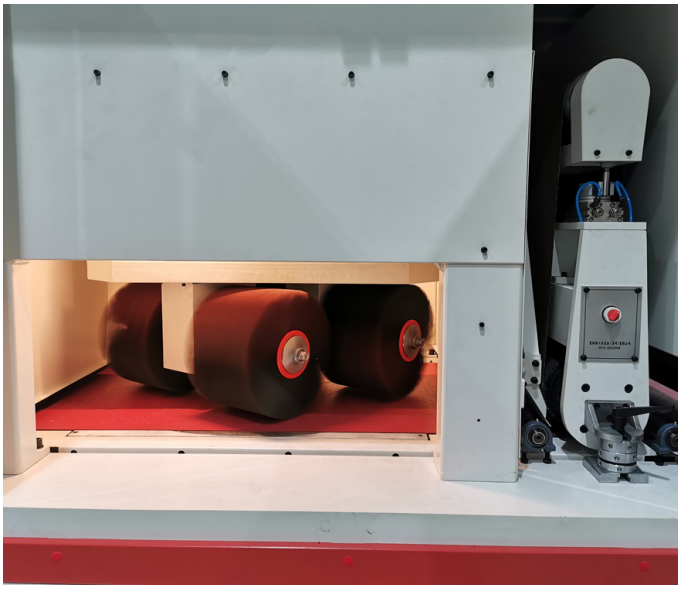
HOW IT WORKS

The equipment removes slag and burrs from the workpiece surface in a multi-step process:

Steel Hammer Disc Brushing Station: Removes slag from the surface of the workpiece using a specialised steel hammer disc.

Abrasive Belt Station: Eliminates large burrs and remaining slag particles effectively.

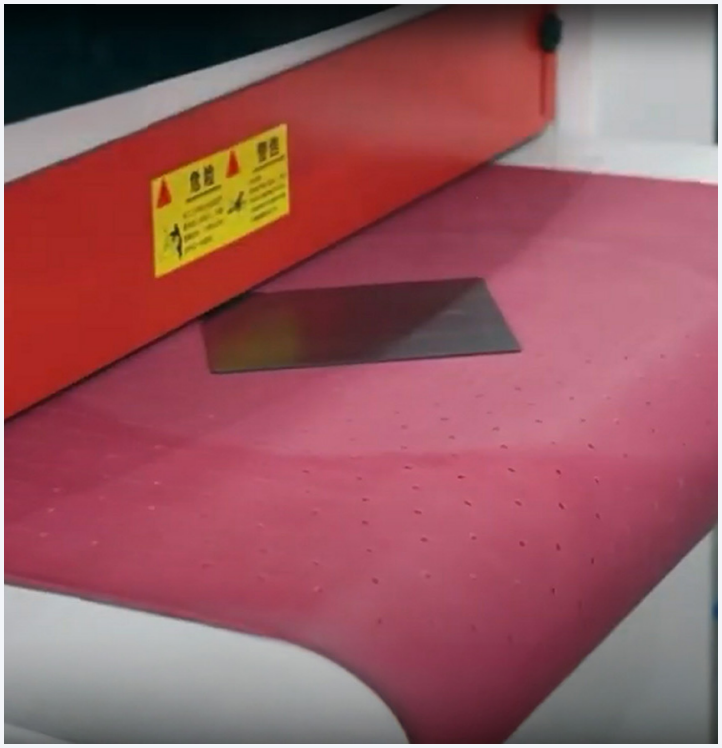
Universal Sand Roller Brush System: Utilises four rotating sanding roller brushes to remove slag and refine edges and inner holes. The process ensures no burrs remain, maintains the accuracy of the workpiece edges, and achieves uniform R-angle rounding (customisable using different abrasive belts and processes). The dimensional integrity of the workpiece is preserved throughout.



Additionally, the abrasive belt station and sanding roller brush system can operate independently:

The **Abrasive Belt Station** is ideal for processing metal hairlines, polishing, peeling, and slag removal.

The **Sanding Roller Brush System** ensures 360° deburring, particularly for laser-cut and CNC-punched sheet metal parts with protective coatings. This system removes burrs without damaging the coating or scratching the surface, thanks to specially designed soft abrasive brushes that target burrs only.



Conveying System:

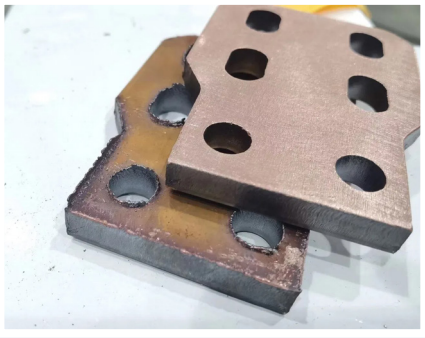
The equipment features a strong vacuum negative pressure adsorption system that securely holds workpieces over 50mm in size without additional tooling. For special workpieces, optional tooling can be used. The transmission system offers variable speed control for precise operation.

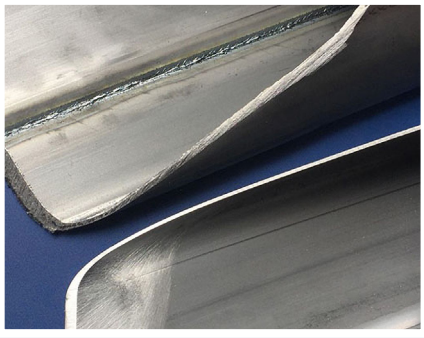
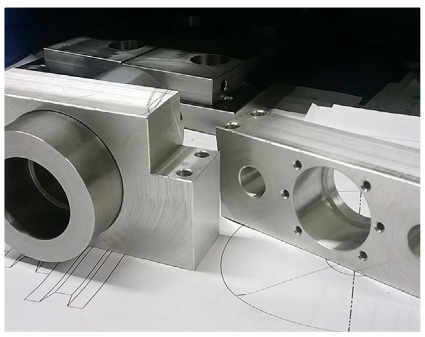
Dust and Safety Management:

The machine includes a wet vacuum cleaner to minimise safety risks and efficiently manage grinding dust. A high-pressure, high-flow fan directs dust to a collection chamber, where it is captured through water spray deposition and filtered for environmental safety. Clean air is then discharged, ensuring a safe and clean working environment. The system also recycles and collects metal powder, supporting eco-friendly production practices.

SPECIFICATIONS

Parameters	LSP-H800	LSP-H1000	LSP-H1350	LSP-H1600
Working Width (mm)	800	1000	1350	1600
Min. Processing Size (mm)	50 x 50			
Processing Thickness (mm)	0.5 - 80		0.5 - 100	
Deburring System	1 belt + multi-brush rollers	1 belt + up to 6 brushes	1 belt + multi-brush rollers	
Feed Speed Range	0.5 – 6 m/min		0.5 – 8 m/min	





LASER MACHINES

At Laser Machines, we are committed to being Australia's trusted partner for laser cutting machinery and related equipment. Specialising in cutting-edge solutions, we empower businesses with the highest quality machinery and unmatched service and support.

Our solutions-oriented approach prioritises customer satisfaction by delivering reliable products tailored to diverse needs and applications. With a focus on quality and service, we work closely with our clients throughout every step of their journey, ensuring they receive solutions designed to enhance operations and achieve their goals.

Backed by over 70 years of combined experience, our team collaborates directly with manufacturers to drive innovation and deliver machinery that meets the evolving demands of modern industries. At Laser Machines, we don't just supply equipment - we provide expertise, partnerships, and the tools for success.

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