



S Series

High-Speed Fibre Laser Cutting Machine

Built on a High-Rigidity Granite Machine Bed

The S Series Fibre Laser Cutting Machine combines high-speed laser cutting technology with a unique high-rigidity granite machine bed, providing a stable foundation for precision cutting performance.

Designed for fast, accurate and reliable operation, the machine features a granite bed engineered to provide high rigidity, excellent vibration damping and low thermal expansion. These characteristics help maintain machine stability and minimise the effects of vibration and temperature changes during operation.

With a compact footprint, electric lift door, efficient dust collection system and modular cutting table, the S Series has been designed with both performance and practical workshop operation in mind.



WHY GRANITE?

The Advantage of a Granite Machine Bed

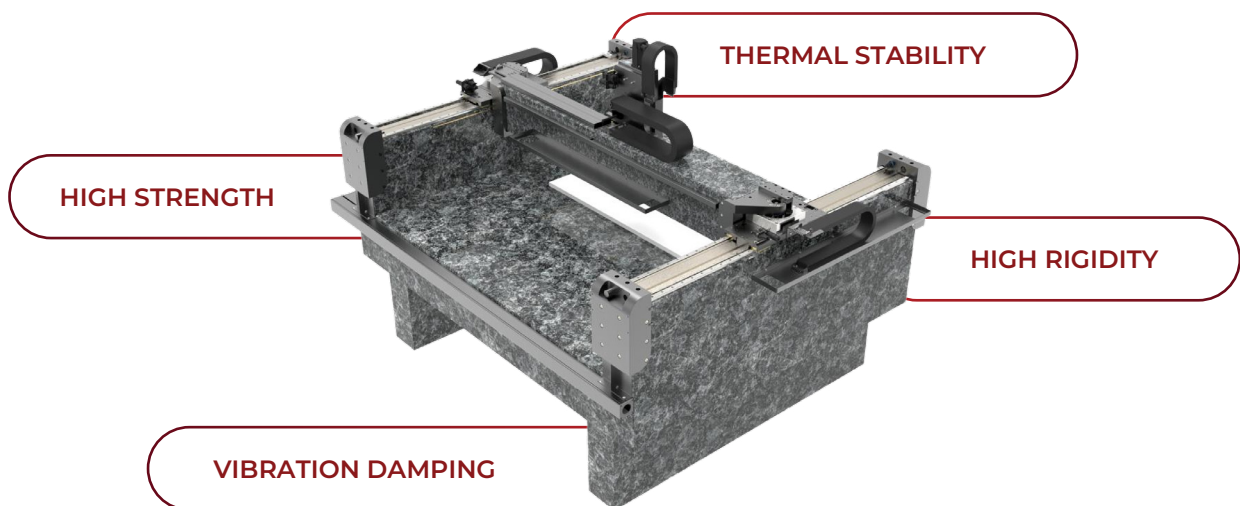
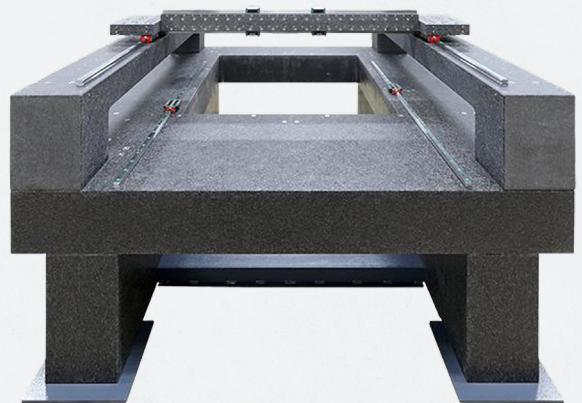
The machine bed forms the foundation of a fibre laser cutting machine. Every movement of the cutting head is ultimately supported by this structure, making rigidity, stability and vibration control important considerations in high-speed operation.

Why does that matter for laser cutting?

A fibre laser cutting head can move at extremely high speeds while rapidly accelerating, decelerating and changing direction.

A rigid and stable machine foundation helps provide a consistent platform for these movements.

The S Series combines its granite bed with maximum speeds of up to 120 m/min and acceleration of up to 1.5G, creating a machine platform designed around high-speed operation.



KEY FEATURES



High-Rigidity Granite Machine Bed

A solid granite foundation provides rigidity, strength and vibration damping to support high-speed movement and precision cutting.



Up to 120 m/min Maximum Speed

High-speed axis movement enables rapid positioning and efficient processing.



Up to 1.5G Acceleration

Rapid acceleration and deceleration allows the cutting head to move quickly between cutting paths.



Fast Electric Lift Door

Provides convenient access to the cutting area for loading and unloading material.



Compact Footprint

The S Series has been designed as a space-conscious machine configuration, making it suitable for limited floor space.



User-Friendly Control Interface

The machine incorporates an intelligent control system and user-focused interface for straightforward machine operation.



SPECIFICATIONS

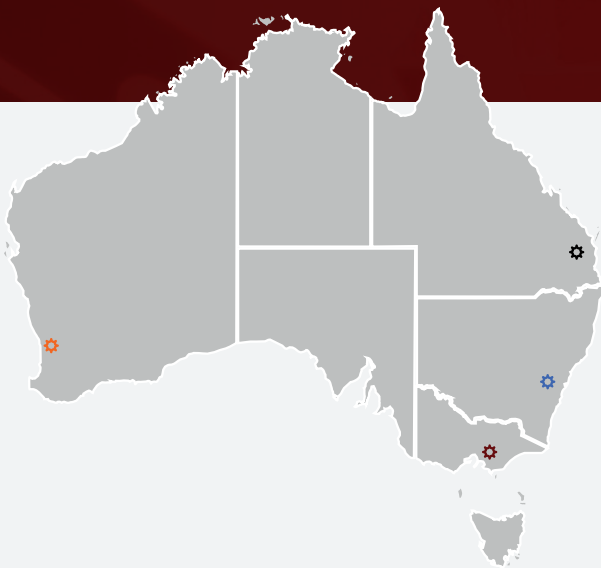
Parameters	S1313
Laser Power (kW)	3 / 6 / 12 / 15 / 20 / 30
X-Axis Travel	1300mm
Y-Axis Travel	1300mm
Z-Axis Travel	150mm
Positioning Accuracy	±0.05mm
Repeat Positioning Accuracy	±0.02mm
Maximum Acceleration	1.5G
Maximum Table Load	500kg
Machine Weight	Approx. 4,500kg
Overall Dimensions	3827 × 2500 × 2760mm
Power Supply	Three-Phase AC 380V, 50/60Hz
Protection Level	IP54



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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-  **NSW Demonstration Centre**
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