capabilities beyond engineering

LASER CUTTING CAPACITY

Amada Ventis 3015 4kW Fibre Laser

At CBE+, we continuously invest in state-of-the-art technology to deliver exceptional precision, efficiency, and turnaround times. Powered by an advanced 4kW solid-state fiber engine, our Amada Ventis 3015 delivers unmatched edge quality and high-speed processing. Coupled with a fully automated asset sheet loading and unloading system, this machine operates seamlessly around the clock to fulfill both high-volume production runs and rapid prototyping requests with extreme consistency.

MACHINE PROCESSING CAPABILITIES

SPECIFICATION ELEMENT	WORKING RANGE / CAPACITY
Laser Power Output	4.0 kW (4000 Watts) Fibre Source
Maximum Sheet Dimensions	3050 mm × 1525 mm (Standard 3m × 1.5m Beds)
X / Y / Z Axis Travel	3070 mm × 1550 mm × 100 mm
Positioning Accuracy	±0.01 mm per axis
Automation Integration	Fully Automated Auto Sheet Load / Unload System
Production Mode	Lights-out un-attended manufacturing capability

MAXIMUM MATERIAL THICKNESSES

MATERIAL TYPE	MAXIMUM RECOMMENDED THICKNESS
Mild Steel (Carbon Steel)	25.0 mm
Stainless Steel	20.0 mm
Aluminum	16.0 mm
Copper	8.0 mm
Brass	10.0 mm

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KEY CUSTOMER ADVANTAGES

- **LBC Technology Edge Finish:** Amada's revolutionary Laser Beam Control (LBC) manipulates the laser beam pattern dynamically, providing unprecedented clean dross-free edge quality on stainless steel and thick aluminum that frequently rivals a machined edge.
- **Automated Efficiency:** The continuous cycle of the automatic sheet loader eliminates manual handling delays between sheets, increasing throughput by up to 30% and ensuring competitive project quoting.
- **Intelligent Processing:** Drastically reduced pierce times and high linear cutting velocities ensure prompt lead times on high-volume sheet metal fabrications.

Ready to start your next laser cutting or fabrication project?

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