



AMAX Industries
Laser Cutting Solutions



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AX Double Pallet Metal Cutting Machine

Revolutionary double pallet laser cutting system engineered for 24/7 continuous production. Maximize your ROI with zero-downtime operation, automatic material handling, and industry-leading productivity. Transform your manufacturing capacity with intelligent automation that delivers consistent results around the clock.



Machine Highlights

Continuous Production

While one pallet cuts, the other can be loaded or unloaded, reducing downtime and boosting productivity with pallet exchange in under 15 seconds.

High Precision and Fast Cutting Speed

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User-Friendly Automation and Maintenance

Featuring automated controls and a durable, low-maintenance design with integrated cooling, double pallet machines ensure reliable, versatile metal cutting across a range of materials.

Production Optimization with Dual Pallets

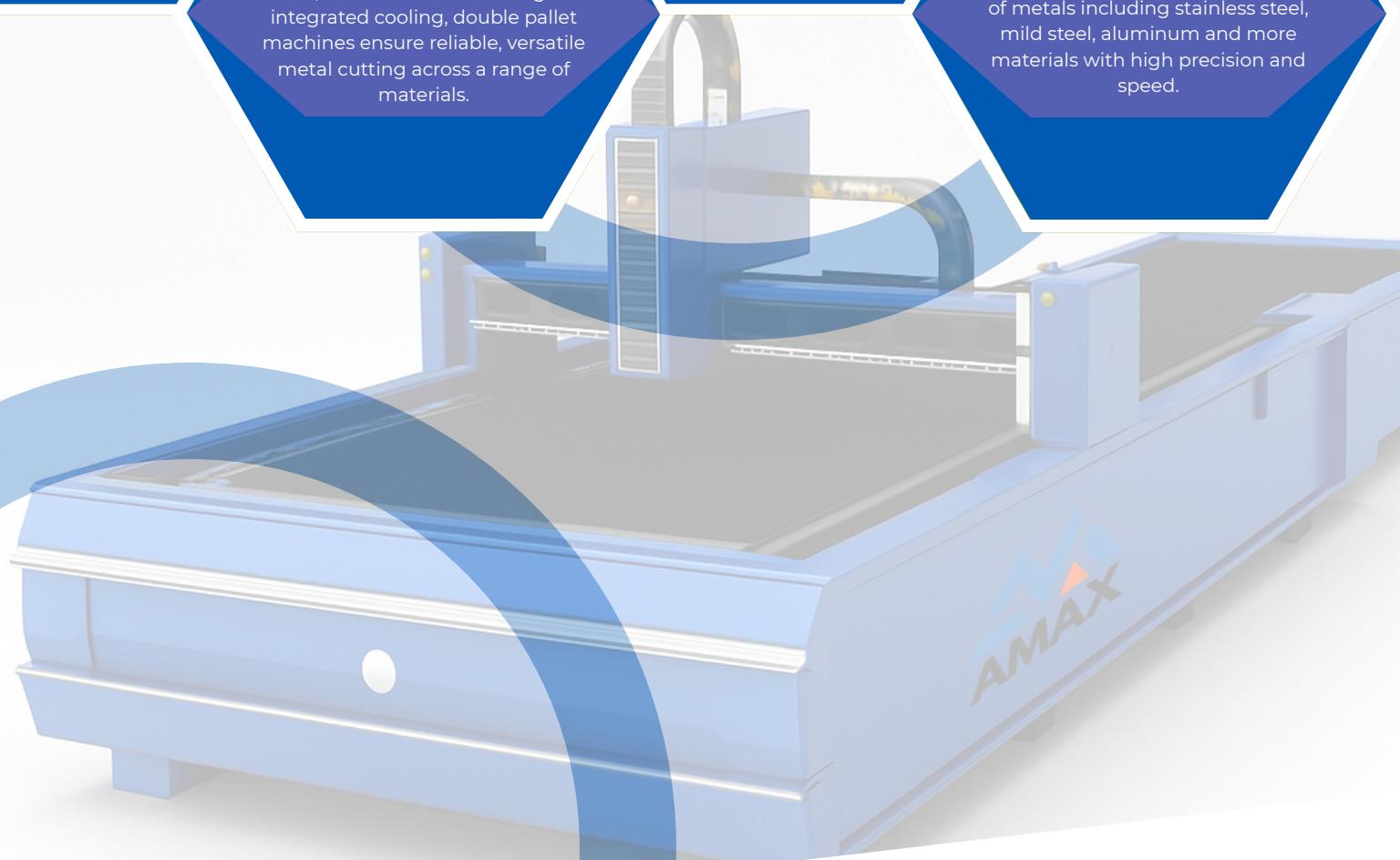
The dual interchangeable pallet system allows one pallet to be loaded/unloaded while the other is cutting, enabling continuous operation and minimizing downtime. This maximizes throughput, ideal for high-volume manufacturing environments.

Maintenance-Free Operation and Durability

Pallet machines feature low-maintenance designs, often with built-in water-cooling systems that maintain constant temperature to prevent overheating and extend service life. This reduces maintenance costs and machine downtime.

Material Flexibility Across Various Metals

These machines can cut a wide range of metals including stainless steel, mild steel, aluminum and more materials with high precision and speed.



Technical Specification



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Cutting Area	4000x2000mm
Cutting Area Tolerance	±0.05mm
Pallet System	Dual Exchange Automatic
Pallet Size	4200x2200mm
Pallet Weight Capacity	2000kg
Max Thickness Ss 2kw	8mm
Max Thickness Ss 3kw	15mm
Max Thickness Ss 4kw	22mm
Max Thickness Ss 6kw	30mm
Max Thickness Cs 2kw	12mm
Max Thickness Cs 3kw	20mm
Max Thickness Cs 4kw	30mm
Max Thickness Cs 6kw	40mm
Max Thickness Al 2kw	6mm
Max Thickness Al 3kw	10mm
Max Thickness Al 4kw	15mm
Max Thickness Al 6kw	20mm
Positioning Accuracy	±0.03mm
Repeat Accuracy	±0.02mm
Exchange Time	15 seconds
Loading Time	3-5 minutes
Cutting Gas	O2/N2/Air/Argon
Gas Pressure	0.8-2.5MPa
Productivity 24h	800-1200 parts
Uptime Efficiency	95%
Material Utilization	92%
Annual Capacity	200000+ parts

Laser Source	IPG Fiber Laser
Wavelength	1070nm
Beam Quality	M ² <1.5
Cutting Speed 1mm Ss	50m/min
Cutting Speed 5mm Ss	12m/min
Cutting Speed 10mm Cs	3.5m/min
Cutting Speed 20mm Cs	1.2m/min
Cutting Speed 30mm Cs	0.5m/min
Power Consumption 2kw	15kW
Power Consumption 3kw	18kW
Power Consumption 4kw	22kW
Power Consumption 6kw	30kW
Control System	Cypcut Pro Industrial
Servo Motor	Panasonic AC Servo Heavy Duty
Drive System	Precision Rack & Pinion
Cooling System	Industrial Chiller 15kW
Operating Temperature	5-45°C
Humidity	≤85%
Dimensions	15000x8000x2800mm
Weight	12000kg
Max Acceleration	1.2G
ROI Payback	18-24 months
Labor Reduction	60%
Energy Efficiency	40% better than CO2
Maintenance Interval	2000 hours
Safety Rating	CE/ISO 13849 Cat 4





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Sheet Cutting



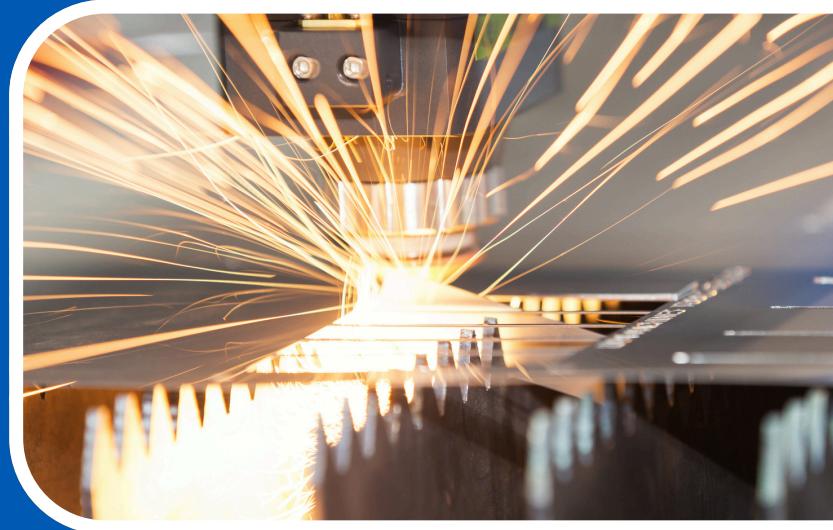
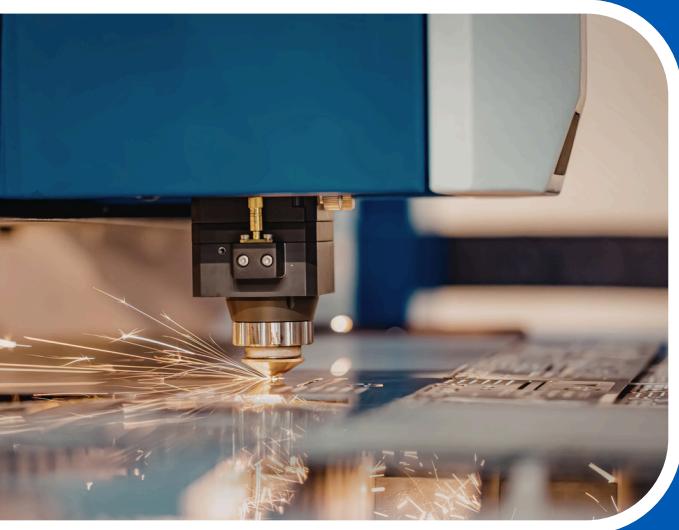
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