

CUTTING
WELDING

SINCE 1898



ZINSER Fiber Laser Cutting Machines

Versatile and easy to operate – designed for maximum cutting efficiency



Fully enclosed
machine



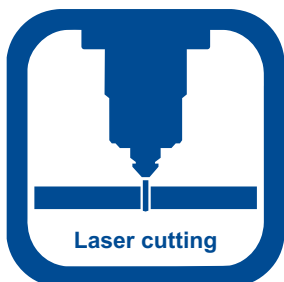
Enhanced
process efficiency



Continuous Process
Monitoring



Safe Working
Environment



Laser cutting



Marking



Bevel cutting

Your Benefits

ZINSER fiber laser technology for maximum performance

	High cutting speed	achieves maximum efficiency .
	Short processing times	increase your productivity .
	High-quality laser components	deliver outstanding cut results .
	Precision linear guideways	ensure reliable and consistent processing .
	Robust machine bed and durable components	ensure reliable 24/7 operation .
	Network technologies	enable seamless integration into modern production environments .
	Centralized lubrication for all axes	reduces maintenance and cost .

ZINSER fiber laser cutting machines are engineered for exceptional precision and consistent cutting quality.



Direct support from ZINSER

Professional on-site support and maintenance by experienced ZINSER technicians help keep your machine running reliably, thereby ensuring high performance and minimizing downtime.

State-of-the-art Laser Cutting Head

Engineered for maximum flexibility and outstanding cut quality



Precision auto-focus for optimal cutting accuracy



Fully enclosed machine



Quick and easy replacement of protective windows



Efficient water cooling for reliable cutting performance



Continuous monitoring of all optical key components and the relevant cutting process signals



Fast and precise height control for a consistently high cut quality



Consistent cut quality across the entire working area



Wide range of materials – including mild steel, stainless steel, aluminum, copper, brass, galvanized steel and more

Thoughtful CNC solution

Integrated CNC control

- Intuitive operation for efficient cutting
- Automatic piercing
- Stable and reliable performance
- Comprehensive range of functions

Process database

- Comprehensive cutting process database
- Cutting parameters for a wide range of sheet thicknesses and materials

Remote support

- Remote maintenance and diagnostics
- Integrated error log
- Easy troubleshooting

Automatic gas control

- Automatic selection and adjustment of gas type and pressure – no manual intervention required
- Continuously adjustable gas pressure for compressed air, oxygen and nitrogen
- Individually configurable settings



Compatible with ZINSER Nest

One software solution for all
cutting machines

Oxy-fuel · Plasma · Laser · Drilling

- 2D CAD system for designing parts
- Automatic and manual nesting
- Integrated technology databases, including lead-in parameters
- Definition of cutting sequences - automatically or manually
- CNC program generation
- Calculation of cutting times and cost

Fully Enclosed ZINSER 1925-L with automatic shuttle table

These ZINSER fiber laser cutting machines are equipped with an automatic shuttle table and are ideal for demanding laser cutting applications. The servo-controlled table system enables fast and safe table changes while ensuring efficient material handling. This minimizes downtime and maximizes productivity.





Fast table changes

Reduced idle time for significantly higher machine productivity.



Optimized material flow

Independent table sections allow safe and efficient loading and unloading, even while cutting is in progress.



Maximum process reliability

Robust table construction ensures outstanding stability and precise positioning.



Constant working level

Two table sections operate at the same working level within the laser enclosure.



Robust construction

Heavy-duty, durable design for reliable long-term operation.

Technical Specifications

ZINER Fiber Laser 1925-L with automatic shuttle table

Working area:	3000 x 1500 mm	4000 x 2000 mm	6000 x 2500 mm
Laser power:	3 kW up to 20 kW	6 kW up to 20 kW	6 kW up to 20 kW
Maximum speed:	100 m/min	80 m/min	60 m/min
Maximum acceleration:	0.8 G		
X/Y-axes positioning accuracy:	± 0.05 mm/m		
X/Y-axes repeatability:	± 0.03 mm/m		
Maximum servo lift table load:	10 t	20 t	20 t

Fully Enclosed ZINSER 1725-L

Fiber laser cutting machine with pull-out table

These ZINSER fiber laser cutting machines have a manually operated pull-out table. The compact design is ideal for smaller sheet metal formats and production environments where space is limited. The pull-out table provides easy access for loading, unloading and removing finished parts – ensuring efficient, ergonomic and cost-effective operation.





Technical Specifications

ZINER Fiber Laser 1725-L with manual pull-out table

Working area:	1300 x 1300 mm	2500 x 1200 mm	3000 x 1500 mm
Laser power:	3 kW up to 12 kW		
Maximum speed:	100 m/min	80 m/min	60 m/min
Maximum acceleration:	0.8 G		
X/Y-axes positioning accuracy:	± 0.05 mm/m		
X/Y-axes repeatability:	± 0.03 mm/m		

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