

CUTTING
WELDING

SINCE 1898



ZINSER 1925 Fiber Laser

User-friendly and versatile – for maximized efficiency in 2D laser cutting



ZINSER 1925 Fiber Laser

Maximum Performance

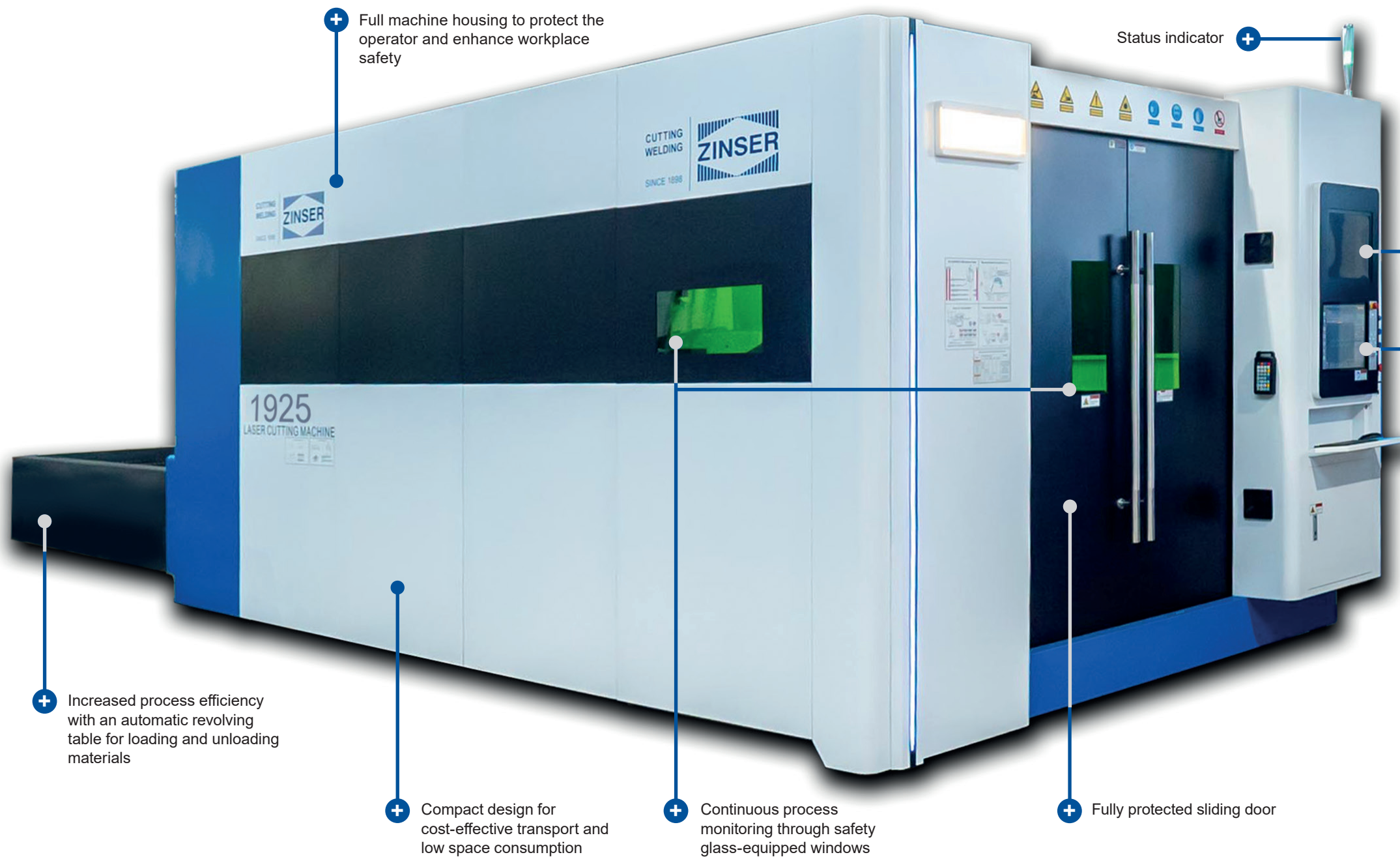
- ▶ High cutting speeds for maximum efficiency
- ▶ Short processing times to boost productivity
- ▶ Excellent cut results with smooth edges
- ▶ Reliable processing even with thicker materials
- ▶ Consistent cutting performance under all conditions
- ▶ Direct support from ZINSER headquarters in Germany



High-performance laser head for cutting a wide range of materials

Completely dust-free laser guide with protective glass

Heat-treated machine bed for exceptional durability and process stability



Full machine housing to protect the operator and enhance workplace safety

Status indicator

Continuous process monitoring via live feed from integrated cameras

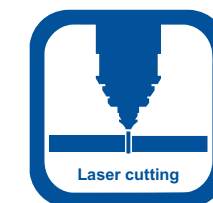
Modern CNC control, remote-enabled with remote maintenance and online support from ZINSER headquarters in Germany

Increased process efficiency with an automatic revolving table for loading and unloading materials

Compact design for cost-effective transport and low space consumption

Continuous process monitoring through safety glass-equipped windows

Fully protected sliding door



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ZINSER Fiber Laser machines are designed for maximum efficiency in laser cutting. High-quality laser components and precise guides ensure excellent cutting results, while the robust machine bed and durable components guarantee reliable 24/7 operation. Networked technologies enable seamless integration into modern production environments. With remote maintenance and direct support from ZINSER headquarters in Germany, smooth operation is always ensured – for uncompromised performance!

State-of-the-art laser cutting head for maximum flexibility

- Precise autofocus system for optimal cutting accuracy
- Full housing protects laser components from dust
- Easy and quick replacement of protective lens
- Accurate and fast distance control for consistently high cut quality
- Efficient water cooling ensures consistently high laser cutting performance
- Wide range of materials: carbon steel, stainless steel, aluminum, copper, galvanized sheet, titanium, and many more



Well-engineered CNC solution

- Integrated CNC control
- Automatic gas control with customizable flow and pressure settings
- The assist gas type and pressure are automatically adjusted, eliminating the need for manual intervention
- Compressed air and oxygen adjustable up to 6 bar, nitrogen up to 25 bar
- Air pressure at the cutting head outlet can be read at any time, real-time display available



Additional benefits of the CNC control

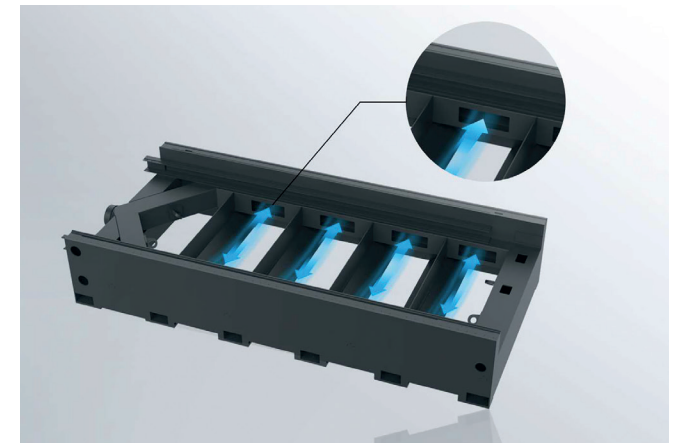
- Remote maintenance via remote access
- Easy troubleshooting and error resolution
- Automatic piercing
- Excellent performance
- Stability and reliability
- Extensive functionality
- Support for modular, personalized, and automated solutions
- Powerful database for cutting processes
- All types of cutting parameters for various thicknesses and materials
- Fast operation for efficient cutting

Additional machine features

- High-quality components for top performance at low operating costs
- Real-time monitoring through integrated cameras
- Automatic revolving tables switch within 20 seconds
- Safe working environment according to CE standards
- Fully enclosed to protect against contamination, radiation, and injuries
- Centralized lubrication of all axes reduces required maintenance and costs

Fortified machine bed with sectional extraction system

- The thermally insulated hollow bed, welded from high-quality steel plates and tubes, offers high structural stability due to stress relief annealing and precise milling, thereby deformation preventing during long-term use.
- The intelligent dust extraction system operates according to the cutting position and activates the air outlets in a time-controlled manner for optimal fume extraction. The lower sealing structure enables smoke-free cutting, while the copper protection ensures additional safety when operating with 8 kW or higher.



Technical specifications

	ZINSER 1925 Fiber Laser		
Working area:	3000 x 1500 mm	4000 x 2000 mm	6000 x 2000 mm
X-axis:	1500 mm	2000 mm	2000 mm
Y-axis:	3000 mm	4000 mm	6000 mm
Laser power:	3, 4, 6 or 12 kW		
Maximum speed:	130 m/min		
Maximum acceleration:	0.8 G		
Positioning accuracy X/Y-axis:	± 0.05 mm/m		
Repeatability of positioning accuracy X/Y-axis:	± 0.02 mm		
Maximum table load:	700 kg		
Power parameters:	3-phase AC 400 V 50 Hz / 60 Hz		

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