

CUTTING
WELDING

SINCE 1898



ZINSER 4025B / 4125B / 4026B / 4126B

Gantry machines for plasma and oxy-fuel cutting



**Made in
Germany**

Since 1898

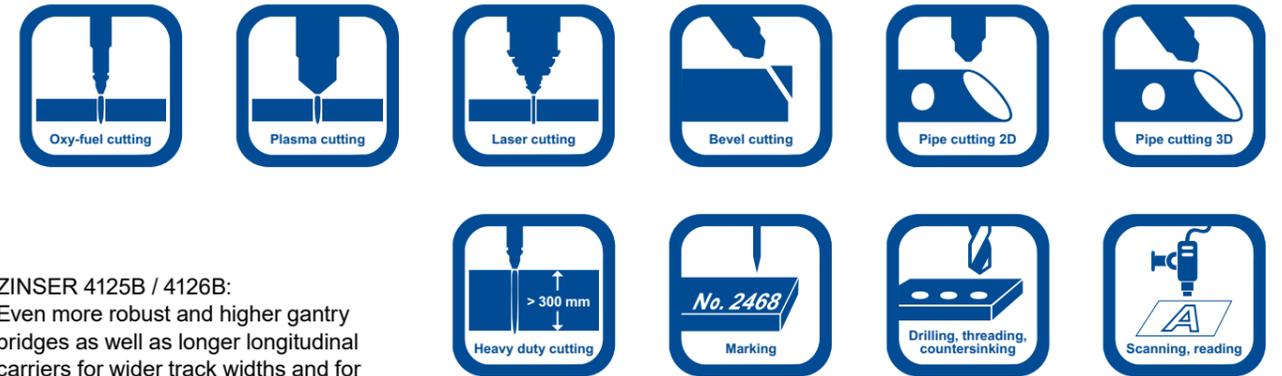
The Premium Series

The machines of the ZINSER premium series impress customers worldwide with their excellent cutting quality. Due to their high stiffness, the extraordinarily robust design and the highly precise linear guides in the portal and the running tracks the machines ensure long-lasting quality.

The high flexibility and numerous options make ZINSER premium machines the perfect partner for every cutting task. With a large number of tools and additional components, the ZINSER cutting systems can be optimally tailored to any customer's requirement.

The ZINSER premium machines also offer special applications like drilling and threading or oxy-fuel heavy duty cutting.

In areas, where an extraordinarily high reliability is of utmost importance, like with companies from the steel industry, customers have been counting on ZINSER cutting systems for years.



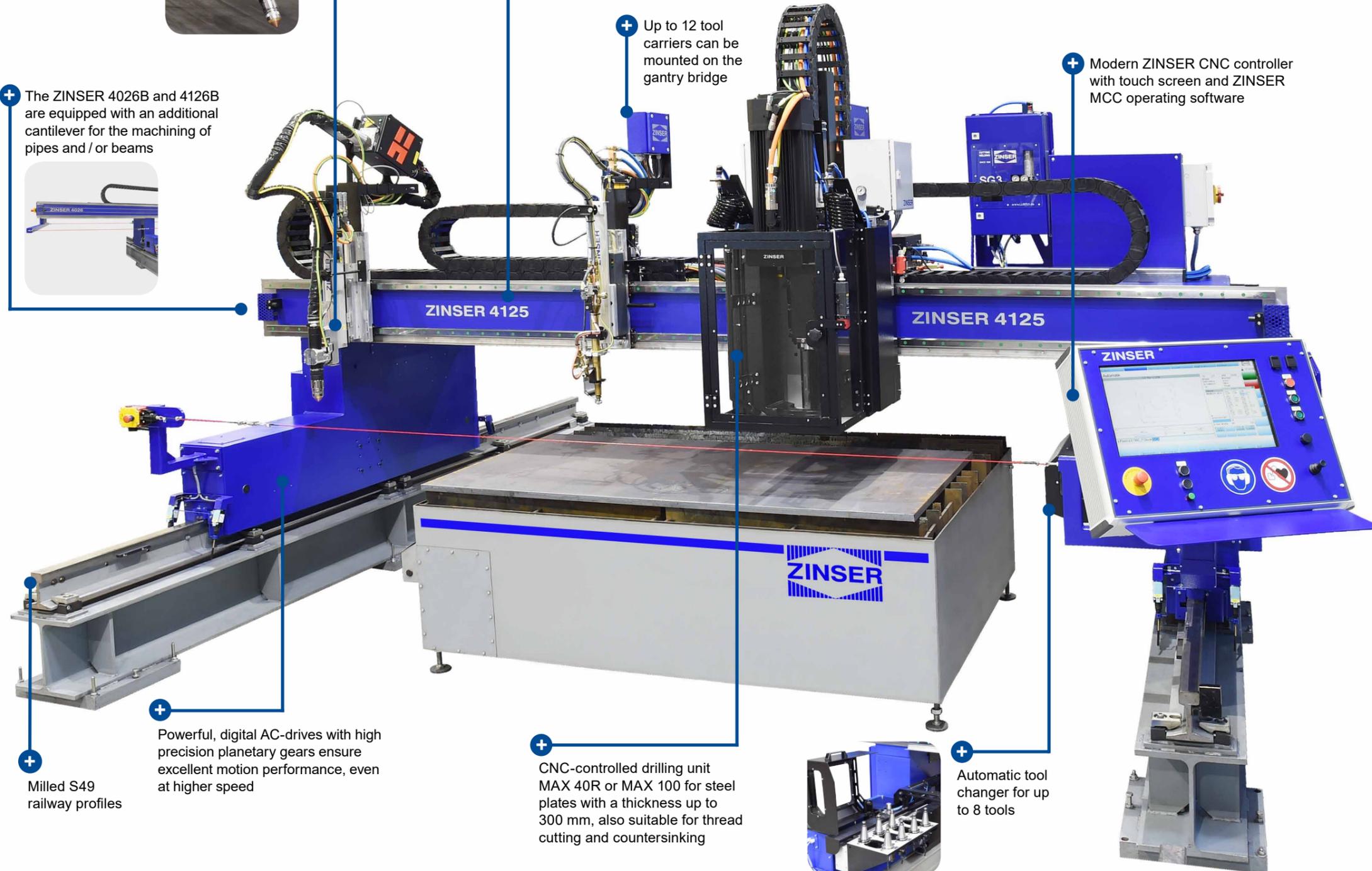
+ Optional bevel feature: Automatically swiveling plasma bevel head which covers A-, V- and top-Y style cuts from 0° to +/- 50°

+ The ZINSER 4026B and 4126B are equipped with an additional cantilever for the machining of pipes and / or beams

+ ZINSER 4125B / 4126B: Even more robust and higher gantry bridges as well as longer longitudinal carriers for wider track widths and for using a drilling unit

+ Up to 12 tool carriers can be mounted on the gantry bridge

+ Modern ZINSER CNC controller with touch screen and ZINSER MCC operating software



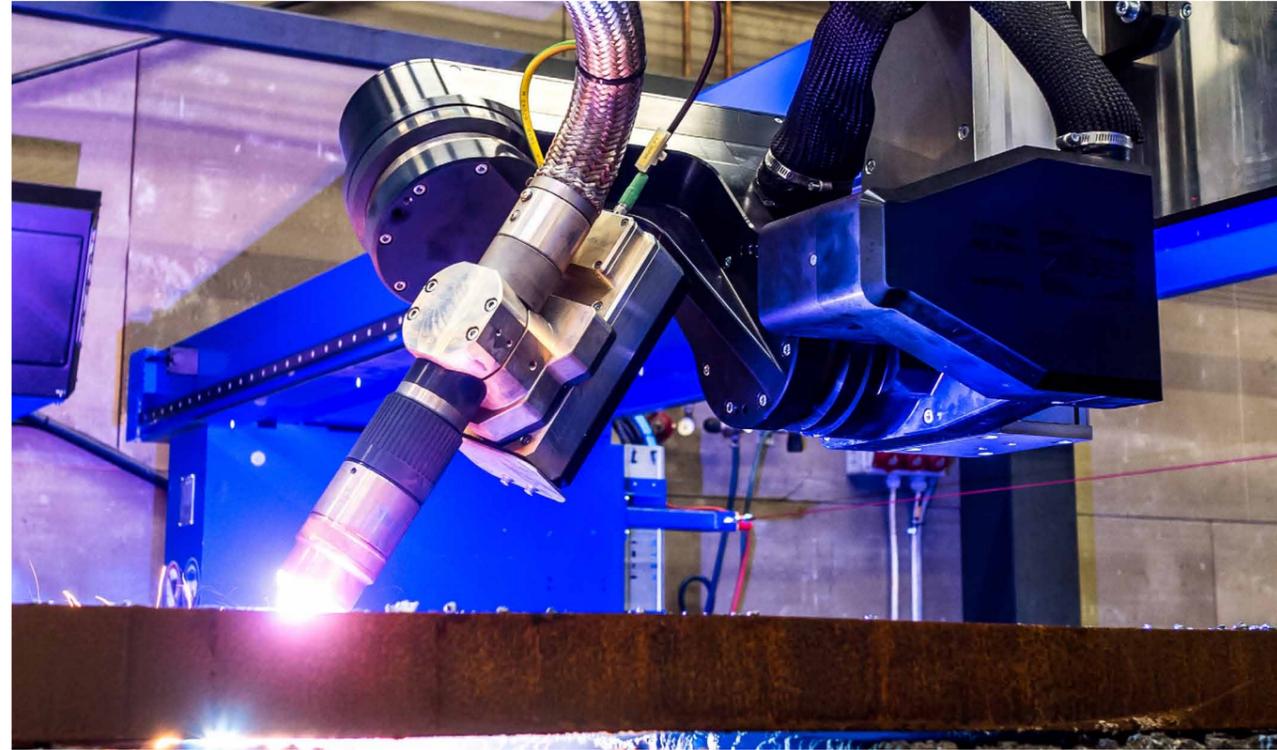
+ Milled S49 railway profiles

+ Powerful, digital AC-drives with high precision planetary gears ensure excellent motion performance, even at higher speed

+ CNC-controlled drilling unit MAX 40R or MAX 100 for steel plates with a thickness up to 300 mm, also suitable for thread cutting and countersinking

+ Automatic tool changer for up to 8 tools

Machine Characteristics



Gantry bridge

- Robust, welded structure, produced according to most modern standards
- Double ball rail systems for tool carriers

Track / Y-Drive

- Double-sided AC servo drive 3 x 400V
- Perfect running smoothness and high angle accuracy through the use of selected racks and precise planetary gears
- Hardened drive pinions
- Adjustable contact pressure of the drive pinions

Drive Carriage / X-Drive

- AC-servodrive via rack and pinion 3 x 400 V
- Slave carriages are clamped on CrNi-steel rope

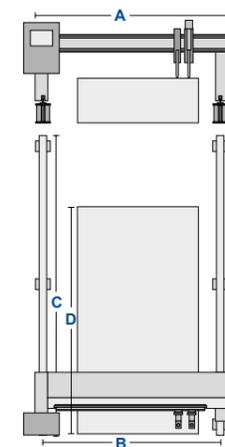
Options

- SPS-controlled fume extraction tables, cartridge filter systems with pneumatic cleaning
- External CAD / CAM nesting software
- Network connection
- Adaptation to customers' requirements possible

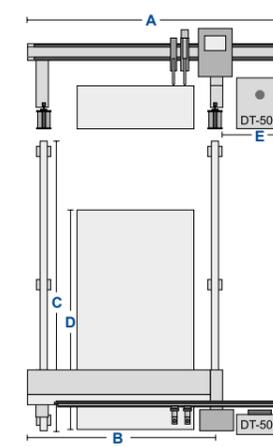
Technical Data

	4025B	4125B	4026B	4126B
Track width (B) in 500 mm increments:	3,100 - 5,600 mm	3,100 - 10,100 mm	3,100 - 5,600 mm	3,100 - 10,100 mm
Machine width (A):	Track width (B) + 850 mm		Track width (B) + 2,100/2,600 mm	
Working width with 1 torch:	Track width (B) - 600 mm			
Machine length (C):	Working length (D) + 2,000 mm	Working length (D) + 3,000 mm	Working length (D) + 2,000 mm	Working length (D) + 3,000 mm
Max. number of torch carriers:	12			
Cutting thickness:	ZINSER oxy-fuel torch: up to 300 mm Heavy duty torch: up to 1,000 mm			
Drive:	AC servo drive			
Input voltage:	3 x 400 V / 50 Hz			
Cantilever (E):			1,500 / 2,000 mm	

4025B / 4125B



4026B / 4126B



Rotation drive for pipe cutting	
Rotation axis with digitally controlled AC servo motor	
Pipe diameter:	50 - 500 mm *
Max. pipe weight:	1,000 kg
Input Voltage:	3 x 400 V / 50 Hz

* other diameters upon request

Upgrade Components

Oxy-fuel:

- Digital piercing unit with database for plate thicknesses up to 200 mm
- Electric ignition unit
- Automatic torch height control
- Automatic torch positioning for multi-torch operation
- Single torch addressing
- Automatic or manual single or triple torch beveling devices
- Heavy duty cutting



Plasma:

- CNC-controlled data transmission to plasma power source with automatic gas console, so cutting data is sent directly from the CNC controller to the system (database) with automatic setting
- Arc voltage height control with data connection and automatic data transmission
- Bevel head
- True Bevel™ and True Hole® technology from Hypertherm
- PerfectBevel and Contour Cut from Kjellberg



Pipe and beam cutting (only 4026B / 4126B):

- Cantilever up to 2,000 mm
- Rotating axis for pipes up to 1,000 mm diameter

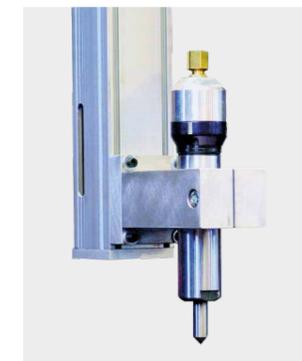


CNC drilling unit:

- For holes up to 40 mm diameter
- Drilling of plates of up to 300 mm thickness
- Feed force up to 14,000 N
- Automatic tool changer



Further options:



Punching unit



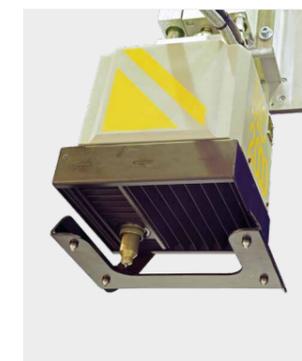
Drilling unit



Powder marking



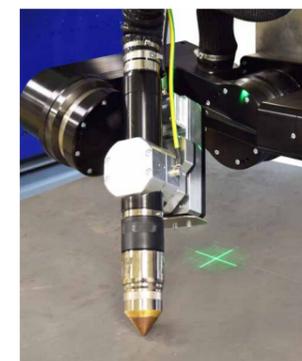
Plasma marking



Needle marking



Inkjet



Laser for set up of program starting point, optional with camera system



Triple torch unit

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