

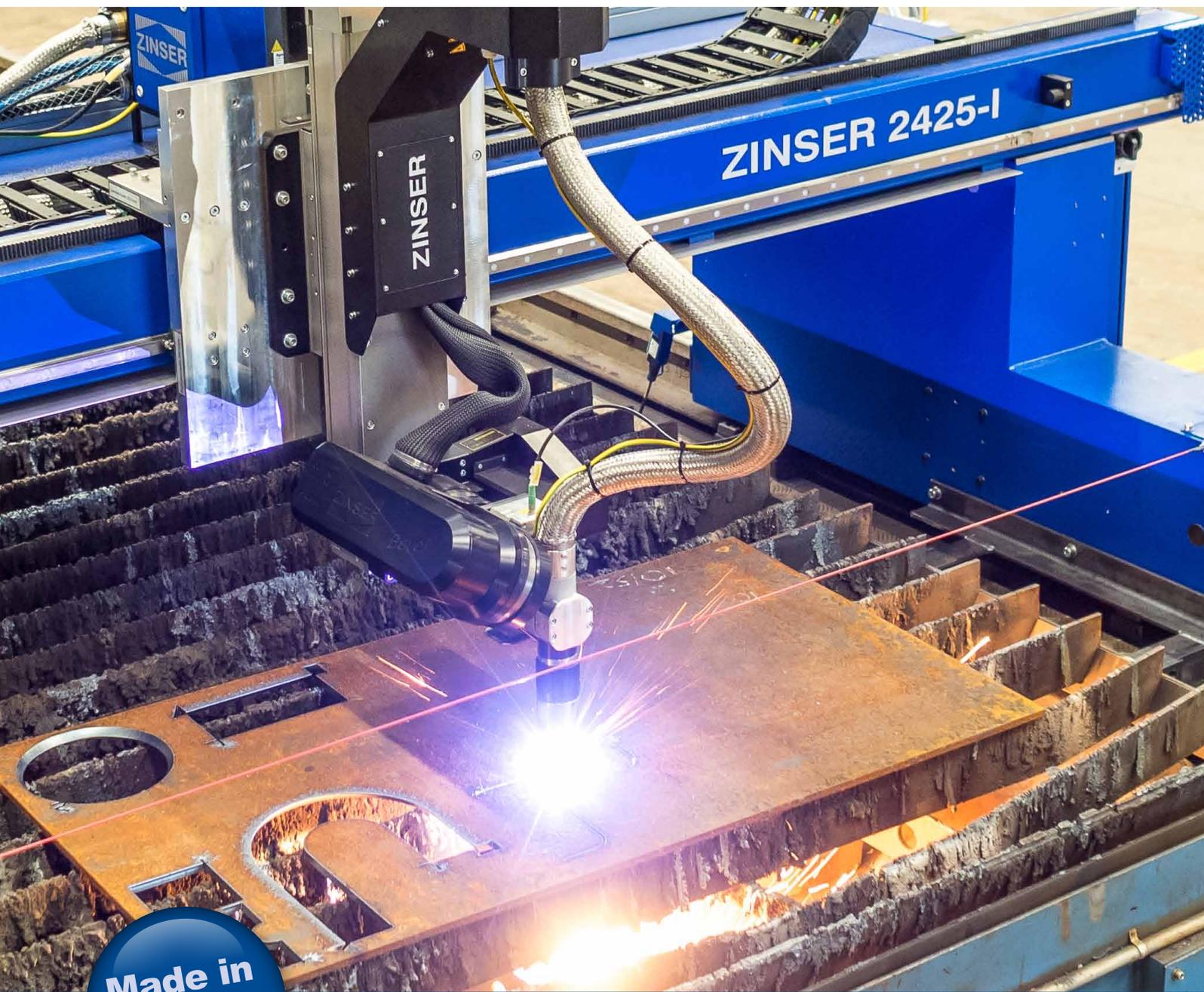
CUTTING  
WELDING

SINCE 1898



# ZINSER 2315 / 2325 / 2425 / 2426

Flexible gantry machines for plasma and oxy-fuel cutting



**Made in  
Germany**  
Since 1898

# Reliable quality with long-living components for high demands

The highly dynamic ZINSER cutting systems with perfectly matched drives have been fulfilling customers' requirements from various industries all over the world for years.

The extraordinarily robust design with at the same time low weight, the high stiffness as well as precise linear guides on the gantry bridge guarantee an excellent quality throughout the whole, long lifetime of the machines.

High-class and powerful, digitally controlled AC-drives with precision planetary gears give the ZINSER machines excellent running characteristics, even at higher speeds and fast changes in direction.

The ZINSER 2315/2325 resp. 2425/2426 stand out by their unmatched cutting quality and dynamic. With a high number of tools and additional components, the machines can be optimally tailored to customers' needs.



2315 / 2325:  
2425 / 2426:



2425:  
2426:



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

**+ Various options and additional components, e.g. the LK2000 camera system**

**+ Up to 4 tool carriers can be mounted on the gantry bridge**

**+ The ZINSER 2426 is equipped with an additional cantilever for the machining of pipes and/or beams**

**+ High-class and powerful, digitally controlled AC-drives with high-precision planetary gears**

**+ Optionally available for the ZINSER 2425: Automatically swiveling plasma bevel head which covers A-, V- and top-Y style cuts from 0° to +/- 50°**

**+ I-versions have two linear guides**

**+ Milled S49 railway profiles**

# Machine characteristics



## Portal

- High precision bridge, ground according to the most modern standards
- Linear guides for the torch / tool carriers
- I-version has two linear guides

## Track / Y-drive

- ZINSER 2325 / 2425 / 2426:  
Two AC-servo drives 3 x 400 V
- ZINSER 2315:  
One AC-servo drive 3 x 400 V
- Smooth running, high angular accuracy due to the use of high-precision planetary gears
- Hardened drive pinions

## Drive carriage / X-drive

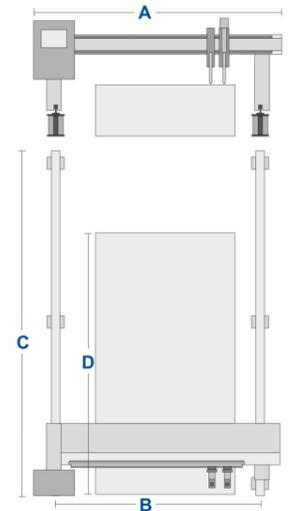
- AC-servo drive via rack and pinion 3 x 400 V
- High-precision planetary gears
- Slave torch carriages coupled via CrNi steel rope

## Further options

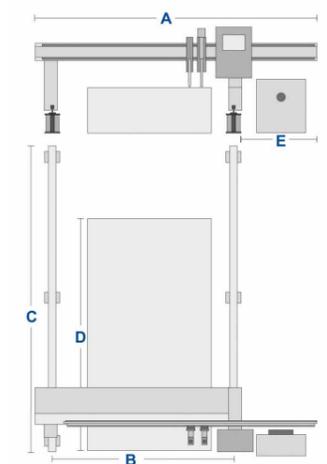
- Up to 4 oxy-fuel torches possible
- Plasma bevel unit for flat plates and pipe cutting (ZINSER 2425-I)
- Marking units
- CNC-controlled exhaustion tables, cartridge filter units with pneumatic dedusting
- Software for external programming, nesting plans, remnant management etc.
- Network connection
- Adaption to specific functions possible at any time
- Cantilever for the cutting of pipes and/or beams

# Technical data

Technical data:	ZINSER 2315	ZINSER 2325
Track width (B):	2,100 / 2,600 / 3,100 mm	2,100 / 2,600 / 3,100 / 3,600 / 3,850 / 4,100 mm
Machine width (A):	Track width (B) + 715 mm	
Working width with 1-3 torches:	Track width (B) - 600 mm	
Machine length (C):	Working length (D) + 2,000 mm	
Max. number of torch carriers:	4	
Cutting thickness (with standard torch):	up to 200 mm	
Drives:	AC-servo drives / planetary gears	
Input voltage:	3 x 400 V / 50 Hz	



Technical data:	ZINSER 2425	ZINSER 2426
Track width (B):	2,100 / 2,600 / 3,100 / 3,600 / 3,850 / 4,100 mm	
Machine width (A):	Track width (B) + 850 mm	Track width (B) + 2,200 mm
Working width with 1-3 torches:	Track width (B) - 600 mm	
Machine length (C):	Working length (D) + 2,000 mm	
Max. number of torch carriers:	4	
Cutting thickness (with standard torch):	up to 200 mm	
Drives:	AC-servo drives / planetary gears	
Input voltage:	3 x 400 V / 50 Hz	
Cantilever (E):		1,500 mm



## Rotation drive for pipe cutting

Rotation axis with digitally controlled AC-servo drive

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 150 mm
- Electrical ignition unit
- Automatic torch height control
- Single torch addressing
- Automatic torch positioning for multi-torch operation



## Plasma:

- CNC-controlled data communication to plasma power source with automatic gas console, so cutting data are sent directly from the CNC controller to the system (database) with automatic setting
- Arc voltage height control with data connection and automatic communication
- Beveling devices (ZINSER 2425-I)
- True Bevel™ from Hypertherm with corresponding software (ZINSER 2425-I)
- True Hole® from Hypertherm
- PerfectBevel from Kjellberg (ZINSER 2425-I)
- Contour Cut from Kjellberg with corresponding software



## Pipe and beam cutting (only ZINSER 2426):

- Cantilever up to 2,000 mm
- Rotating axis for pipes up to 500 mm Ø (other Ø upon request)
- Application range: Apertures, notches, end machining



## Further options:



Punching unit



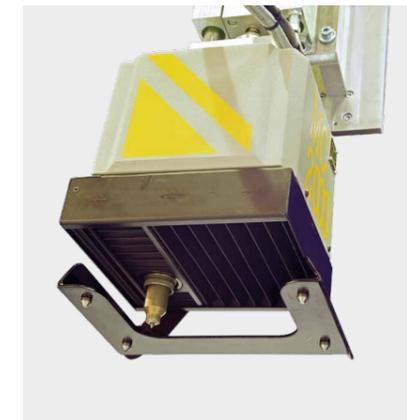
Drilling unit



Powder marking



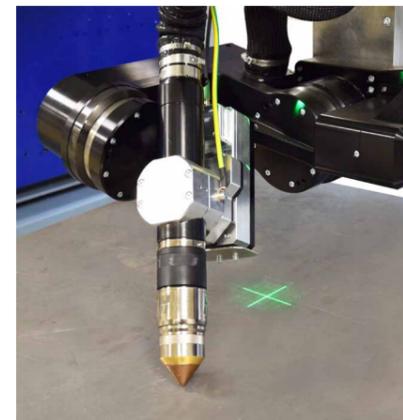
Plasma marking



Needle marking



Inkjet



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



Triple torch unit



LK2000 camera system

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