

ZINSER 1215 / 1215-DS

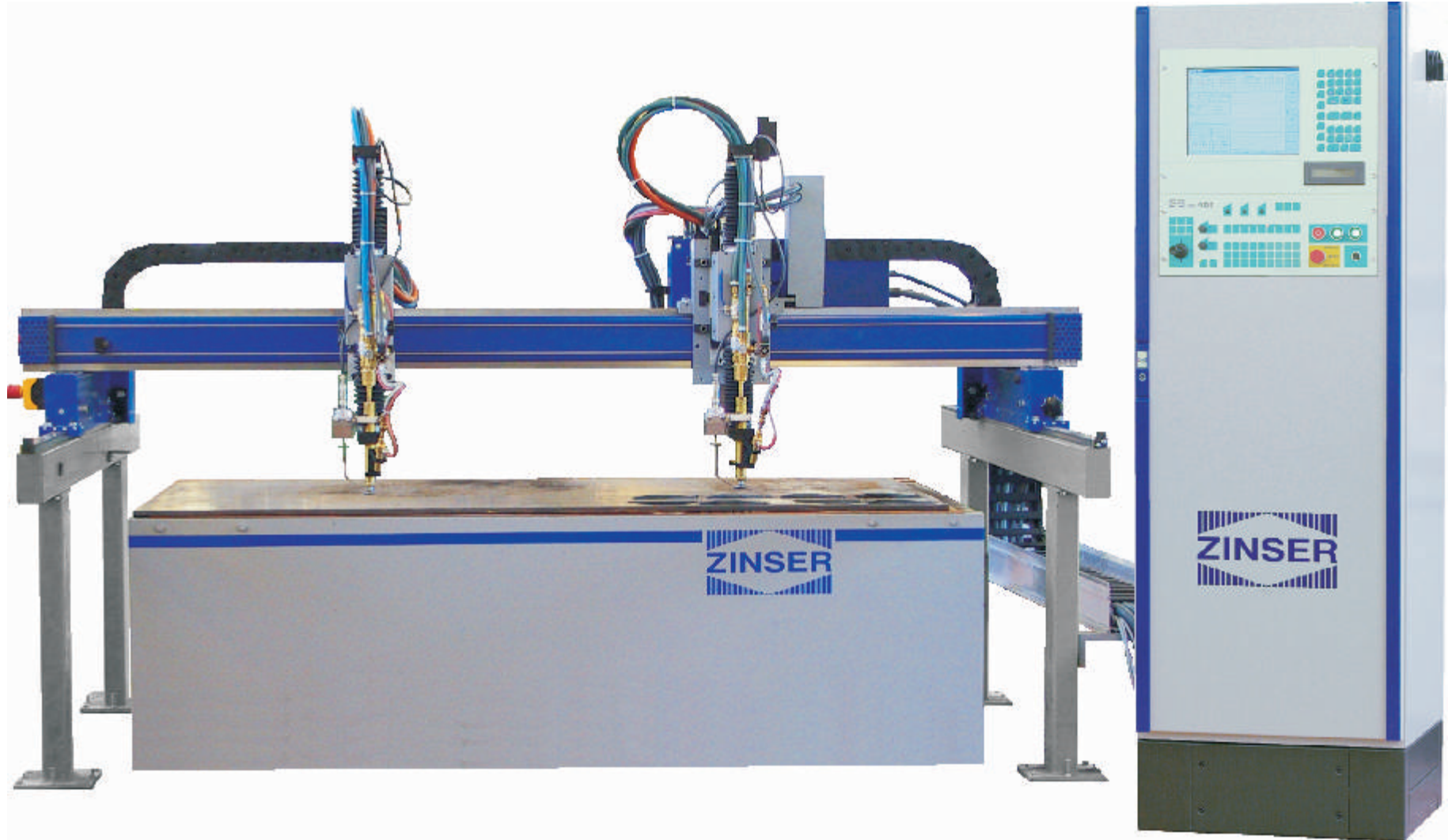
Gantry Machine for Oxy-Fuel and Plasma Cutting

Since 1898 performance and progress

Flame cutting
systems

Oxy-acetylene
equipment

Hot air welding
devices



- Low cost CNC-controlled gantry cutting machine for oxy-fuel and plasma cutting
- Ideal for the combination of oxy-fuel and plasma
- Basic machine - with single side longitudinal drive system for oxy-fuel cutting Z-1215 or
- dual side longitudinal drive system (DS) for plasma cutting Z-1215 DS
- DC-drive system via rack and pinion in both axes
- The ZINSER 1215 is available in track widths up to 2.500 mm
- The machine can be equipped with up to 3 torch carriers

Gantry Bridge

- State-of-the art manufacture for high precision
- Grinded guide rail for the torch carriers

Runway / Y-Drive

- DC-drive system single side (Z-1215) or double side (Z-1215 DS)
- Smooth run and high angle accuracy by use of selected toothed racks
- Adjustable contact pressure of the drive pinions

Drive Carriage / X-Drive

- DC-drive system via rack and pinion
- Slave carriages are clamped on stainless steel wire
- Power track housing energy lines
- Manual or motorized torch height adjustment with four-quadrant chopper

CNC Continous Path Controller

- CNC 300 or CNC 2030

Options

- Additional components such as capacitive height control, marking ...
- Software for programming and data transfer
- Adaptation to special machining jobs is possible anytime

Basic Hardware

- On board CNC-controller CNC 300 (floor mounted type on request)
- Machine cutting torch for 6 up to 100 mm material thickness
- Manual torch height adjustment via rack/pinion
- Cutting speed up to 50 - 6.000 mm/min
- Idle speed up to 12.000 mm/min

Additional Components

- Automatic piercing unit with fast preheat function via proportional valves (including central gas flow control)
- Automatic ignition unit
- Motorized as well as capacitive torch height adjustment with collision protection
- Additional cutting torches
- Plasma power sources
- Plasma dialogue system
- Plasma arc height control with 3D collision protection
- Plasma marking device
- Spot drilling device
- Scribing device
- PLC-controlled fume extraction tables
- Cartridge filter system with pneumatic cleaning
- ...

Technical Data

Track width (steps of 250 mm)	1.000 - 2.500 mm
Total width	track width + 500 mm
Working width with 1 torch	track width - 500 mm (Motorized torch carrier) - 200 mm (for each torch carrier)
Total length	Working length + 1.100 mm
Max. number of torch carriers	3
Cutting thickness	Oxy-fuel up to 100 mm Plasma up to 50 mm (depends on plasma source)
Drives	DC - Servo motors
Voltage	230 V / 50 Hz

ZINSER SCHWEISSTECHNIK GmbH
 Daimlerstr. 4
 D-73095 Albershausen
 Phone +49 (0)7161 5050-0
 Fax +49 (0)7161 5050-100
 E-mail info@zinser.de
 Internet www.zinser.de

