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Flame cutting  
systems

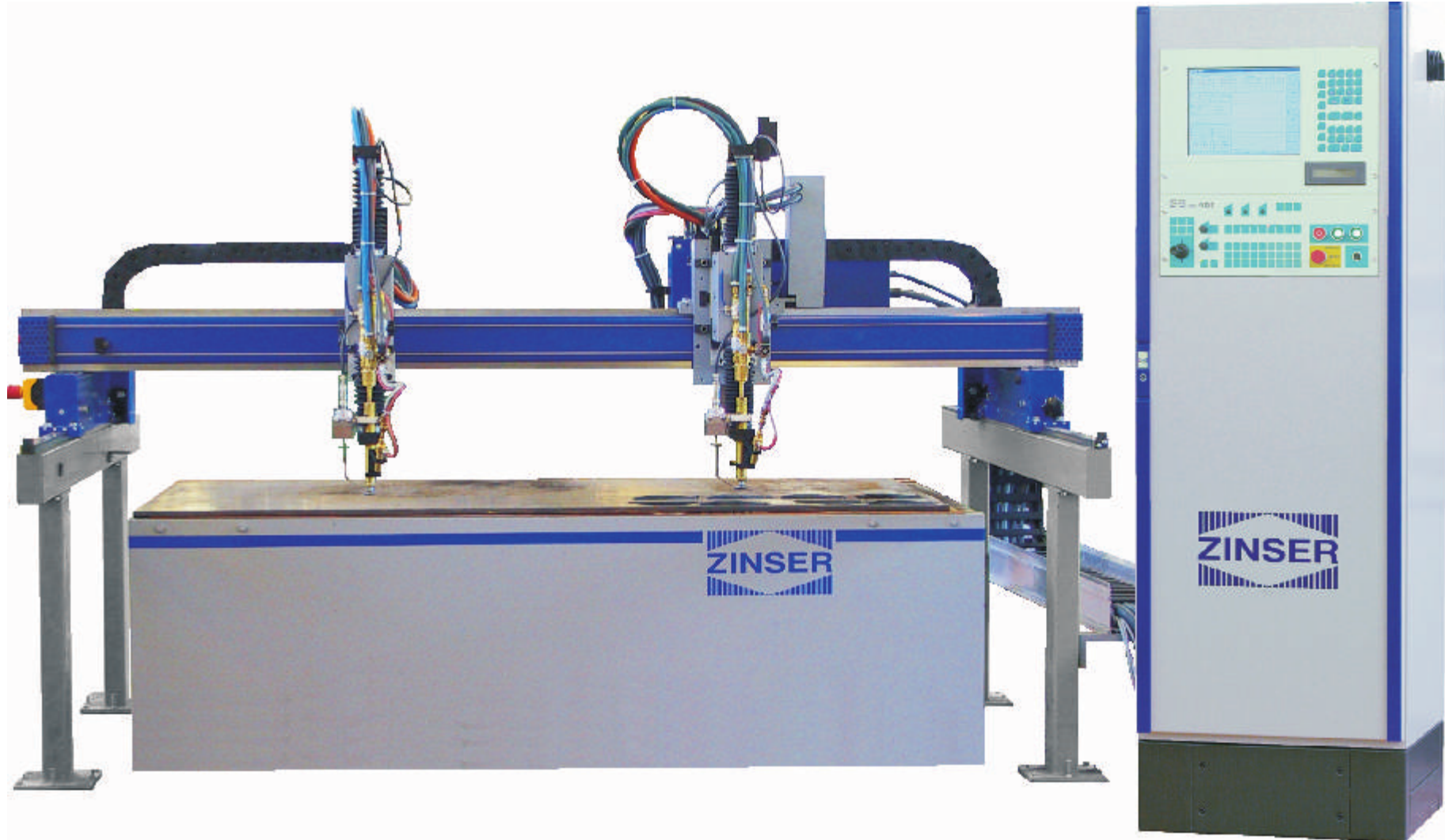
Oxy-acetylene  
equipment

Hot air welding  
devices



# ZINSER 1215 / 1215-DS

Gantry Machine for Oxy-Fuel and Plasma Cutting



- ! 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



CUTTING  
WELDING  
SINCE 1898



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