Sigma Plus Dresser & Changer

Patented system

Features

- Dresser + electrodes changer with electric engine for robotic welding
- Compensation system ± 30 mm
- Chip suction device integrated
- Pneumatic electrodes magazine
- Container for collection of replaced electrodes
- Electric box according to the desired standard
- Horizontal/vertical configuration change without need optional parts

Technical data

Distance from the center of the gear to the end of the carter	40 mm
Carter thickness	20 mm
Cutter rotational speed	265 rpm*
Cutter rotation direction	Clockwise
Electrode removal system	Monodirectional

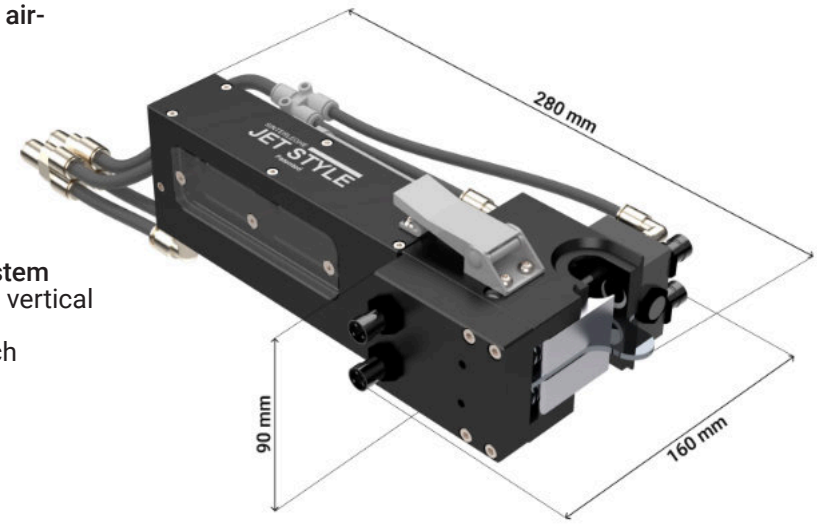
(*) CEE standard power supply

The same model can be used to change the electrodes used on steel or aluminum sheets, even in the presence of glue and/or contaminated water

Images are representative and may be subject to change for improvements without notice

Patented electrodes magazine

The world's only self-cleaning magazine with air-driven electrodes moving system!



01.

Pneumatic system for electrodes moving system

- same performance in both horizontal and vertical positions
- self automatic device cleaning during each electrode change cycle
- without oxidation-prone elements

02.

Compact system

- high electrodes capacity and reduced magazine size
- capacity:
  - Ø13 mm: 17+17 electrodes
  - Ø16 mm: 14+14 electrodes
  - Ø20 mm: 11+11 electrodes

03.

Electrode fixing plate integrated in the magazine

- it allows the guns to close when charging the electrode
- no additional component required to guarantee the electrode's fixing on the gun
- simultaneous electrode loading
- reduction of electrode change cycle time

Sigma series technical specifications

Specifications	CEE - South America - Africa - Asia	China	USA
Power	0.8 kW	0.8 kW	0.8 kW
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Power supply	Y 400-415V 2A Y 400-480V 2A	Y 400 VAC 2A	Y 400-415V 2A Y 400-480V 2A
Optional power supply	/	/	Δ 230-300V 60Hz 3.46A Δ 230-225V 50Hz 3.46A
Duty cycle	S3-7%	S3-7%	S3-7%
Compressed air consumption	450 l/min at 6 bar	450 l/min at 6 bar	450 l/min at 6 bar
IP protection level	55	55	55
Pipes, fittings and solenoid valves	ISO	ISO	ISO