

Sigma tip dresser & changer

Patented system



Features

Dresser + electrodes changer with electric engine for robotic welding

Design solid and strong

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 Bidirectional

Releasing gear torque Max 60 Nm

(*) CEE standard power supply

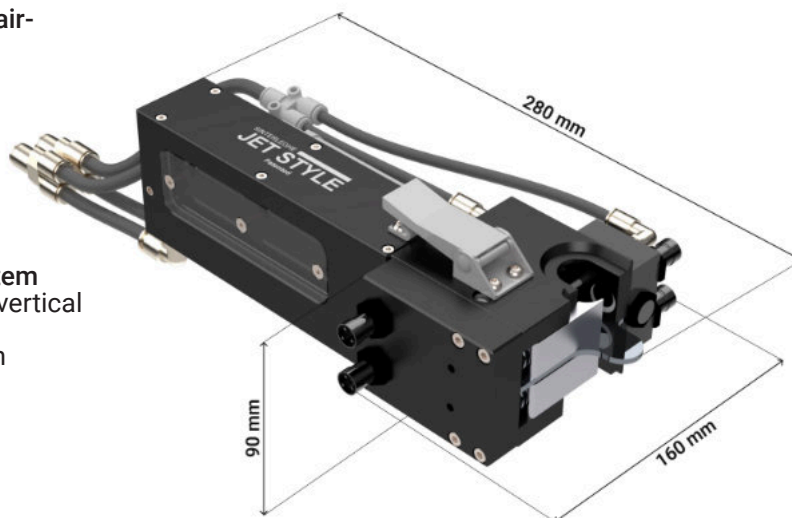
Patented electrodes magazine

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 |