

# Electrode tip dresser

For improved uptime and weld quality



The ABB Electrode tip dresser has been developed to meet the automotive industry's demand for high process speed, production reliability and quality.

### Electrode tip dressers with stand

ABB electrode dressers are available for both horizontal and vertical dressing, and are delivered with stand.

The double dresser cutter holders rotate clockwise and counter clockwise when dressing electrodes. All models come equipped with a blower to remove shavings from the cutter holder. Optional extraction equipment is also available to collect and remove shavings.

### Horizontal or vertical dressing

ABB electrode tip dressers mounted on stands are available in the following models:

- Single dresser – for dressing of a electrode flank or a total cutter in a one-step process
- Double dresser – for dressing of flanks and welding surfaces in a two-step process

### Features

- Upper and lower electrodes dressed simultaneously
- Wide range of electrode types
- Single, double, form and welding surface cutters available
- Unique x, y and z movement equalization
- Available for both horizontal and vertical dressing
- Mounted on stands

### Benefits

- Higher uptime
- Improved quality
- Faster cutting for shorter cycle time
- Safer operation via the TCP option
- Lower life cycle cost
- Reduced energy consumption

### Options

- TCP beam
- Vacuum cleaner

01 Double tip dresser  
– horizontal

### Horizontal electrode tip dressers

Single dresser



Double dresser

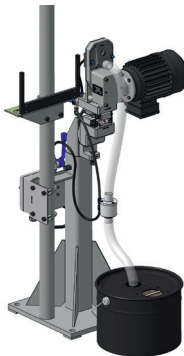


Working height

The stand permits setting of the operating height to a permanent height between 850–1,250 mm.

### Vertical electrode tip dressers

Single dresser



Double dresser



Working height

The stand permits setting of the operating height to a permanent height between 950–1,350 mm.

Tip dressing for stationary spot welding available on request.

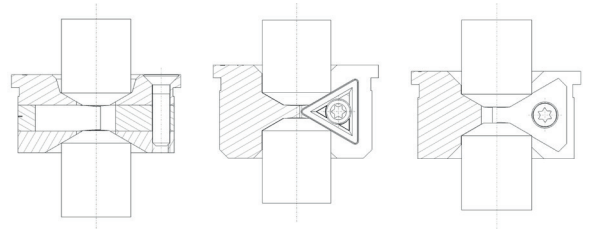
### Cutter options

Wide range of cutters options available.

ABB top cutter

ABB flank cutter

ABB total cutter



### Technical data

Electrode force	Recommended Maximum	1.0 kN 1.5 kN
Dressing time	Recommended	1.5–2.5 seconds/ cutter holder
Weight	Electrode dresser – including stand	16 kg approx. 53 kg
Pneumatic system for blowing away shavings	Air pressure	0.6–0.7 MPa (6–7 bars)
	Air connection (house)	Ø 3/8"
Noise level	Without blowing	54 dB(A) equivalent
	With blowing, reduced pressure, ~ 3 bars	87 dB(A) equivalent

