

SPOTCO EZ-DRESSER

Maintain/dress radius weld faces simultaneously on spot welding electrodes – The EZ way!



The EZ DRESSER is a spot-welding electrode contour dresser with replaceable radius plates that is a precision maintenance tool used to restore the specific radius face geometry of electrodes without removing them from the welding machine. It uses an abrasive cloth guided by interchangeable plates to ensure consistent weld quality and extend the life of the copper tips.

Function and Operation

The primary purpose of this tool is to fix "mushroomed" or deformed electrode faces that occur naturally due to high heat and forging pressure during resistance welding.

- **Radius Contour Maintenance:** EZ DRESSERS are essential in resistance welding (such as aluminum spot welding) where maintaining a precise, clean radius face is required to ensure consistent current density and weld strength while maintaining uniform clean looking welds.
- **On-Machine Dressing:** The EZ DRESSER is designed to be used "on the job/machine", allowing operators to tip dress both upper and lower electrodes simultaneously while they remain in their holders, which significantly reduces production downtime. A "Tip Dress Feature" is recommended on machine for this tool. Tip Dress feature allows low force between the electrodes during the dressing of the electrodes. **Spotco factory can help if a machine requires the tip dress feature.** An example: Press welders uses a mechanical electric switch to remove air from bottom of cylinder for "gravity weight" when cleaning upper and lower electrodes simultaneously.

- **Abrasive Cloth:** the EZ Dresser model, utilizes a 240-grit abrasive cloth that is pulled over the precision-ground plates to sand the electrode back to its original shape.

Replaceable Radius Plates

The "replaceable radius plates" are the core components that define the final shape of the electrode tip.

- **Interchangeability:** The plates can be swapped out to accommodate different welding specifications. Common standard radius plates include 2", 3", 4", 6", 8", 10" and 12".
- **Precision Geometry:** These plates are typically precision-machined to the exact radius that provides transfer onto the electrode for maintenance. The EZ Dresser removes residues that are picked up on the electrode faces during the welding process.
- **EZ Dresser is diverse:** One tool can have any of the selectable radius plates that are easily changed out. Flat electrodes are maintained by simply flipping a plate over! The abrasive cloth is easily replaced as used on the machine during manufacturing.



Pictured above many radius plates available to keep electrodes clean to promote quality and good-looking spot welds.