

**ELECTRO  
ARC**

# METAL DISINTEGRATORS

**1-SC**

## CARBIDE CUTTING

### DISINTEGRATOR

Special DC cutting  
system for  
disintegrating  
Carbide impact  
buttons in drill  
heads and carbide  
tooling



*Get  
'em  
out in minutes!*

- In-the-quill head
- Precision ground and chromed quill assemblies
- Manual or Servo Feed
- Rack and pinion movement
- Auto control
- Auto depth stop
- 11 heat selections
- Adjustable 305 mm (12") lift rack
- Ground 660 mm (31") x 465 mm (30") work table with 6 "T" slots
- Rigid column and crossarm
- Head has 360-degree, 2-axis rotation
- Heavy-duty ball bearing casters and levelers
- Large capacity coolant system



**QUICKLY REMOVES BROKEN TAPS AND DRILLS**

**ELECTRO ARC MANUFACTURING CO.**  
WORLD'S LARGEST AND MOST EXPERIENCED DISINTEGRATOR MANUFACTURER

# 1-SC SPECIFICATIONS

## CARBIDE CUTTING DISINTEGRATOR

### In-the-quill head

Unique in-the-quill disintegrator head provides continuous, reliable service for your most demanding applications. The construction and design minimizes maintenance and carries a three-year warranty. The electromechanical system provides 100/120 strokes (arcs) per second. Motor-driven servo controlled for maximum cutting efficiency and performance.

### Model 1-SC STANDARD FEATURES

<b>OPERATING HEAD</b>	The disintegrating head works by making and breaking 100/120 arcs per second. They will use any conductive material as an electrode. A current indicator allows the operator to monitor current drawn for optimum feed control. A graduated feed scale in 1 mm ( $\frac{1}{16}$ ") linear increments allows presetting depth of cut. Operates in any position with 304 mm (12") of feed.
<b>SUPPORT SYSTEM</b>	<b>Radial Crossarm:</b> Hard-chrome plated, 54 mm ( $2\frac{1}{4}$ ") diameter; 762 mm (30") long. Rotates a full 360 degrees around the column. Manually locks in position.  <b>Column:</b> Hard chrome plated, 70 mm ( $2\frac{3}{4}$ ") diameter and 50" high (a 60" column is an available option. 12" lift rack for raising and lowering the crossarm. The work height from the disintegrator head to the table is adjustable to a maximum of 864 mm (36") or 1838 mm (72") to the floor.
<b>BASE</b>	Heavy, reinforced frame construction. Ground, cast iron work table measuring 1016 mm (40") wide, 590 mm (32") deep, 564 mm (34") high. Five 19 mm ( $\frac{5}{8}$ ") "T" slots. Recessed control panel; master stop; four heavy-duty ball bearing casters. Standard finish is tan with brown; custom colors at additional cost.
<b>POWER SUPPLY</b>	Controlled rectified DC cutting power in eleven heat selections. Disintegrates high-speed and carbide materials fast under servo control. Power and performance are designed into this proven package.
<b>COOLANT SYSTEM</b>	Coolant tank located for easy cleaning. Cartridge type, filtered-intake. Pump: 340 liters/hour (2 GPM); 14,06 kg/cm <sup>2</sup> (90 PSI); $\frac{1}{3}$ H. P. motor, single phase, 120 volt. Power coolant cable: double stranded, woven copper braid with polyvinyl cover. 2.13 m (7.5') standard; 3m (10') length available.
<b>ELECTRODES</b>	Manufactured by ELECTRO ARC for removing broken tools and bits. A large inventory of standard sizes is maintained. (Special shapes and sizes are available.)
<b>PARTS</b>	Available for immediate delivery.
<b>SERVICE</b>	Provided by factory trained personnel.
<b>GUARANTEE</b>	Fully guaranteed for one year against any machine defects.
<b>SHIPPING DATA</b>	Approximate weights - Net: 254 kg (560 lb), Gross domestic: 306 kg (675 lb), Gross export: 313 kg (690 lb). Volume: 1.671 m <sup>3</sup> (59 cu. ft.)

A WORLD-CLASS LEADER  
WITH A MACHINE FOR EVERY APPLICATION

7/08

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