

**ELECTRO  
ARC**

# METAL DISINTEGRATORS

## Model 2-SC



**Electro Arc Model 2-SC** brings an exceptionally easy-to-use disintegrating head to bear on your tool steel and carbide extraction tasks.

The magnetic base holds firm on most ferrous surfaces to enable the portable support to keep the head lined up for precision tracking. Ruggedly built for long life and durability.

Like all Electro Arc Metal Disintegrators, Model 2-SC disintegrates the centers out of broken-off drills and taps without causing heat distortion to the surrounding workpiece.

- **Fast cutting – low cost!**
- Optional **Servo Feed** does the work at any angle
- **Heat selector** for precise cutting control
- **Cabinet includes** convenient tool storage drawer

**ANY SIZE  
TAP CAN BE  
REMOVED**

### Typical Cutting Speed of Assorted Sizes

| BROKEN TAPS<br>1"/25 mm DEEP | REMOVAL<br>TIME |
|------------------------------|-----------------|
| 6 mm (0-80 to 10-32)         | Less than 1 min |
| 8 mm (1/4")                  | 1 min           |
| 9.5 mm (5/16")               | 1-1/2 min       |
| 10 mm (3/8")                 | 1-3/4 min       |
| 12.5 mm (1/2")               | 2 min           |
| 16 mm (5/8")                 | 3-1/2 min       |
| 19 mm (3/4")                 | 4 min           |

**1 YEAR  
WARRANTY  
ON MACHINE  
3 YEARS  
on HEAD**

**QUICKLY REMOVES BROKEN TAPS AND DRILLS**

**MADE BY ELECTRO ARC MANUFACTURING CO.**

*World's Largest, Most Experienced Disintegrator Manufacturer*

## A solid workhorse with flexible features

### Compact, durable Head

- Precision Balance Wheel manual feed quill-type vibrating head with 3 year guarantee.
- 305 mm (12") uninterrupted quill travel standard.
- Quill is precision ground and hard chromed, riding on replaceable bronze bushings.

## Model 2-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 ( $1/16$ ") linear increments allows presetting depth of cut. Operates in any position with 305 mm (12") of feed.                               |
| <b>SUPPORT SYSTEM</b> | <b>Radial Crossarm:</b> Hard-chrome plated, 57 mm ( $2\frac{1}{4}$ ") diameter; 381 mm (15") long. Rotates a full 360 degrees around the column. Manually locks in position.<br><b>Column:</b> Hard chrome plated, 70 mm ( $2\frac{3}{4}$ ") diameter and 914 mm (36") high. The work height from the disintegrator head to the table is adjustable to a maximum of 711 mm (28") or 1838 mm (72") to the floor. |
| <b>BASE</b>           | Heavy, reinforced frame construction. Recessed control panel; indicator light for low water level; 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> | Optional coolant tank side-mounted for easy cleaning. Cartridge type, filtered-intake. Pump: 340 liters/hour (2 GPM); 14,06 kg/cm <sup>2</sup> (90 PSI); $1/3$ H. P. motor, single phase, 120 volt. Power coolant cable (conducts both liquid coolant and low-voltage current): 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: 122 kg (270 lbs.), Gross domestic: 147 kg (310 lbs.), Gross export: 154 kg (325 lbs.), .65 cu Cubic feet:(23)  |

7/08

## GUARANTEE

*Each  
Electro Arc Metal  
Disintegrator is fully  
guaranteed  
for one year  
against any  
manufacturing defects.*

*The 2-SC's operating  
head is guaranteed for  
three years.*

A WORLD-CLASS LEADER  
WITH A MACHINE FOR EVERY APPLICATION

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