

**ELECTRO
ARC**

METAL DISINTEGRATORS

2-SE SERIES



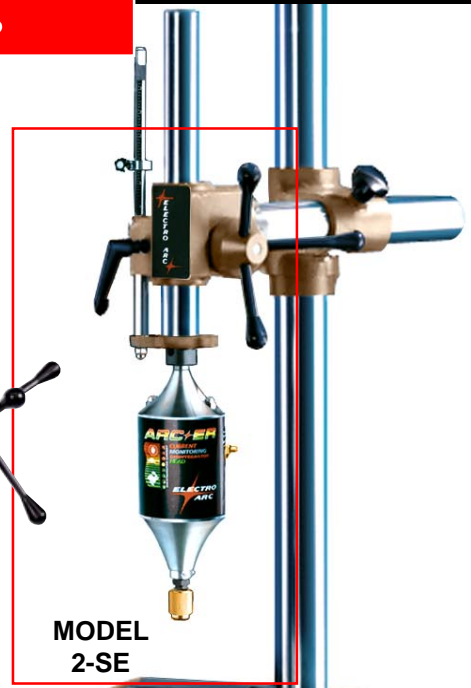
**MODEL
2-SET**



**MODEL
2-SEQ**



**MODEL
2-SEQT**



**MODEL
2-SE**

FEATURES:

- **NEW:** LED-light Current Indicator for precise current control on all models
- **NEW:** (QT models) Anti-fall system balances weight to prevent head crashes and eliminate lock/unlock problems
- **NEW:** Thermal Protection ("Q" models)
- Heavy-duty performance
- Precision ground and chromed quill assemblies
- Rack and pinion movement
- Automatic depth stop
- Heavy-duty 57 mm (2¹/₄") diameter chromed crossarm
- 70 mm (2³/₄") diameter chromed column
- Five power supply options
- Lighted push-buttons plus emergency stop button
- External fuses
- Ground work table with 5 "T" slots
- Large capacity self-contained coolant system
- Choose automatic or spring feed
- Heavy-duty ball bearing casters



Typical Cutting Speed of Assorted Sizes

| BROKEN TAPS 1"/25 mm DEEP | REMOVAL 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 |

*ANY SIZE TAP
CAN BE REMOVED*

QUICKLY REMOVES BROKEN TAPS AND DRILLS

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

Choosing the features you need

"Q" Head: top performer (Q/QT models)

Unique, patented, in-the-quill disintegrator head provides continuous, reliable, heavy-duty service for the most demanding applications. Built-in LED Current Indicator. The construction and design minimizes maintenance and carries a 3-year warranty. The head is 82 mm (3-1/4") diameter, hard chromed, precision ground with .05 mm (.002") run-out and 229 mm (9") of vertical rack and pinion travel. **NEW:** Thermal protection cutout with Operator Alert can prevent expensive damage. **NEW:** quieting components for 2.5 dB less noise.

Automatic Feed

Automatic transistorized power feed provides continuous feed up to 229 mm (9"). Features adjustable automatic shut off switch, auto stop, 2-range variable speed, feed rate selector and plug-in integrated circuit board. Anti-fall system to prevent head crashes.

Spring Feed

Spring-loaded feed unit assists the operator in feeding the disintegrator head in a continuous movement. Manually adjusted. Adjustable depth stop with automatic shutoff.

Portable **ARC-ER** Head: 2-SET& 2-SE

This new portable disintegrator head provides reliable, accurate heavy-duty service with minimal maintenance. The state-of-the art LED Current Indicator right in the body simplifies process control.

Head is 318 mm (12 1/2") long overall; 3.2 kg (5.5 lb.). A 12 mm (1/2") diameter, 50 mm (2") long straight shank allows use remotely in fixtures or with other machine tools.

Reliable performance. 1-year warranty.

SELECTION CHART

| Features by MODEL | Q Head | Auto Feed | ARC-ER Head | Spring Feed |
|----------------------|--------|-----------|-------------|-------------|
| 2-SE | | | ● | ● |
| 2-SET | | ● | ● | |
| 2-SEQ | ● | | | ● |
| 2-SEQT | ● | ● | | |

Options available with 2-SE Series models:

- Transformer Power rating: 3, 10, 15, or 20 KVA
- Column height: 914 mm (36") or optional 1524 mm (60").
- Power/Coolant Cable length: 2.13 m (7.5') or optional 3 m (10').

Model 2-SE Series STANDARD FEATURES

| | |
|---------------------------|--|
| OPERATING HEAD | Operates in any position with fifty/sixty positive pulsating arcs per second. The head will use any conductive material as the electrode. Graduated scale in 1/16" linear increments and 360 degree rotary movement. LED-light current meter for "intuitive" feed control. |
| SUPPORT | CROSSARM: Hard-chrome plated radial crossarm is 57 mm (2 1/4") in diameter and 381 mm (15") long. Full 360 degree rotation around the column. Manual hand locks to secure position. COLUMN: Hard chrome plated, 70 mm (2 3/4") diameter, 914 mm (36") high. 304 mm (12") lift rack for raising and lowering the crossarm (Models 2-SEQT and 2-SET only). The maximum work height from the disintegrator head to the table is 432 mm (17") and 1270 mm (50") to the floor. |
| BASE | Heavy, reinforced frame construction. Ground, cast iron work table measuring 20" wide, 18" deep, 863 mm (34") high. Five half-inch "T" slots. Recessed control panel; lighted push buttons; indicator light for low water level; external fuses; master stop; four heavy-duty ball bearing casters. Standard color: brown/tan. Custom colors at additional cost. Ventilating louvres; convenient storage drawer for electrodes and collets. |
| POWER TRANSFORMER | 110, 240, 380, 480, or 550 volt. Disintegrator transformer ratings are available in 3, 10, 15, or 20 KVA with 5, 8, or 10 cutting heat settings. Circuit breaker protection; low voltage. Machine tool electrical standards. Mass production J.I.C. electrical standards available at additional cost. |
| COOLANT SYSTEM | Pull out tank for easy cleaning. Cartridge type, filtered-intake. Pump: 340 liters/hour (2 GPM); 14,06 kg/cm ² (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. |
| OPTIONAL EQUIPMENT | • 1400 kg (3,000 lb.) pull permanent magnet renders the head and support system portable for use on other ferrous surfaces. • 304 mm (12") lift rack for raising and lowering the crossarm. • Automatic, transistorized power feed to allow the machine to operate unattended with auto depth-control shut off. |
| ELECTRODES | Manufactured by ELECTRO ARC for removing broken tools. A large inventory of standard sizes is maintained. (Special shapes and sizes are available.) |
| PARTS SERVICE | Available for immediate delivery. |
| GUARANTEE | Provided by factory trained personnel. |
| SHIPPING DATA | Fully guaranteed for one year against any defects. |
| | Approximate weights: Net: 176.9 kg (390 lb), Gross domestic: 195 kg (430 lb) Gross export: 204 kg (450 lb), Cu. meters: 0.651 (Cubic feet: 23) |

7/08

OPTIONAL EQUIPMENT
adds versatility to your machine



1400 kg (3,000 lb.)-pull permanent magnet adapts the super-structure to work on other ferrous surfaces.



360 kg (800 lb.)-pull permanent magnet with 7 precision angle/position adjustments

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