

**ELECTRO  
ARC**

# METAL DISINTEGRATORS

## MODEL 2-S



The **Electro Arc Model 2-S** brings the easy-to-use **ARC-ER** disintegrating head to bear on your hardened-tool extraction tasks. The LED-light Amp Meter right in the head makes control of the process easy. Support it with a drill press or use one of our supports shown on reverse side.

You can also order the 2-S with the heavy-duty "Q" Head on a portable magnetic-base support for more precision and durability. (See Model 2SWQT.)

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

- **Heavy Duty transformer** available in 3, 10, or 15 KVA to deliver the power you need
- **Heat selector** for precise cutting control
- **Cabinet includes** convenient tool storage drawer

**1 YEAR  
WARRANTY  
ON MACHINE  
INCLUDING HEAD**



### 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**

**MADE BY ELECTRO ARC MANUFACTURING CO.**

*World's Largest, Most Experienced Disintegrator Manufacturer*

## A solid workhorse with flexible features

### Compact, durable **ARC-ER** Head

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.

### Machine options:

These selections affect the capability, performance (and cost) of your machine:

- Power rating of transformer: 3 KVA, 10 KVA, 15KVA, 20 KVA, or 20KVA Water Cooled
- Power/Coolant Cable length: 2.13 m (7.5 ft)(standard) or 3 m (10 ft.)

## Model 2-S STANDARD FEATURES

<b>OPERATING HEAD</b>	Arc-er head works by making and breaking fifty/sixty arcs per second. It will use any conductive material as an electrode. Built-in LED amp meter allows the operator to monitor current drawn for optimum feed control. Operates in any position.
<b>BASE/CABINET</b>	Heavy, reinforced frame construction. Guarded control panel; lighted, oil-tight push buttons; low water level indicator light; external fuses; master stop switch; four heavy-duty ball bearing casters. Standard finish is Tan; custom colors at additional cost.
<b>POWER TRANSFORMER</b>	120, 240, 380, 480, or 550 volt. Disintegrator transformer rating: 3, 10, 15 or 20 KVA. (Higher KVA ratings mean you can effectively disintegrate over a larger surface area at a given rate.) Up to 10 cutting heat settings, depending on transformer selected. Circuit breaker protection; Machine Tool electrical standards. Mass Production J.I.C. electrical standards at extra cost.
<b>COOLANT SYSTEM</b>	Pull out tank 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. 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>SHIPPING DATA</b>	Approximate weights: Net: 122 kg (270 lb). Gross domestic: 147 kg (310 lb). Gross export: 154 kg (325 lb). Cubic meters: 0.651 (Cu. ft.: 23)

## GUARANTEE

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

**ELECTRO  
ARC**  
METAL DISINTEGRATORS

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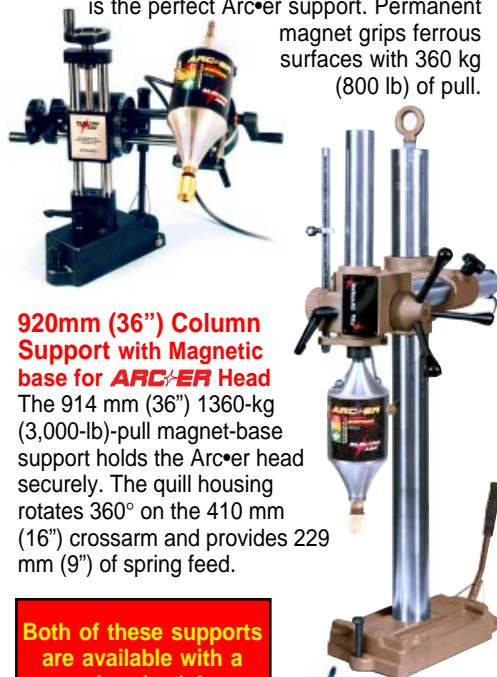
WorldWideWeb: www.electroarc.com

## ACCESSORY EQUIPMENT

Enhance your disintegrating system with supports designed for your Arc-er head – or add the higher-performance "Q" head on its own support.

### Universal Support for **ARC-ER** Head

The "Mini Mag" support, with 6 precision angle/position adjustments and 127 mm (5") of vertical and 101 mm (4") horizontal positioning, is the perfect Arc-er support. Permanent magnet grips ferrous surfaces with 360 kg (800 lb) of pull.



### 920mm (36") Column Support with Magnetic base for **ARC-ER** Head

The 914 mm (36") 1360-kg (3,000-lb)-pull magnet-base support holds the Arc-er head securely. The quill housing rotates 360° on the 410 mm (16") crossarm and provides 229 mm (9") of spring feed.

**Both of these supports are available with a transistorized Auto Feed unit that allows hands-free operation.**

### "Q" Head on 920mm (36") Mag-base Column

Our top-of-the-line "Q" head offers high precision with the durability to give years of reliable service. The 1400 kg (3,000-lb)-pull magnetic base securely holds the 914 mm (36") column support. Built-in eye-level amp meter offers better control of the disintegration process. The integral quill housing pivots 360° on the 410 mm (16") crossarm and provides 229 mm (9") of spring-loaded semi-automatic feed.



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