

## HK-6V SERIES



MODEL  
HK-6V



MODEL  
HK-6VT



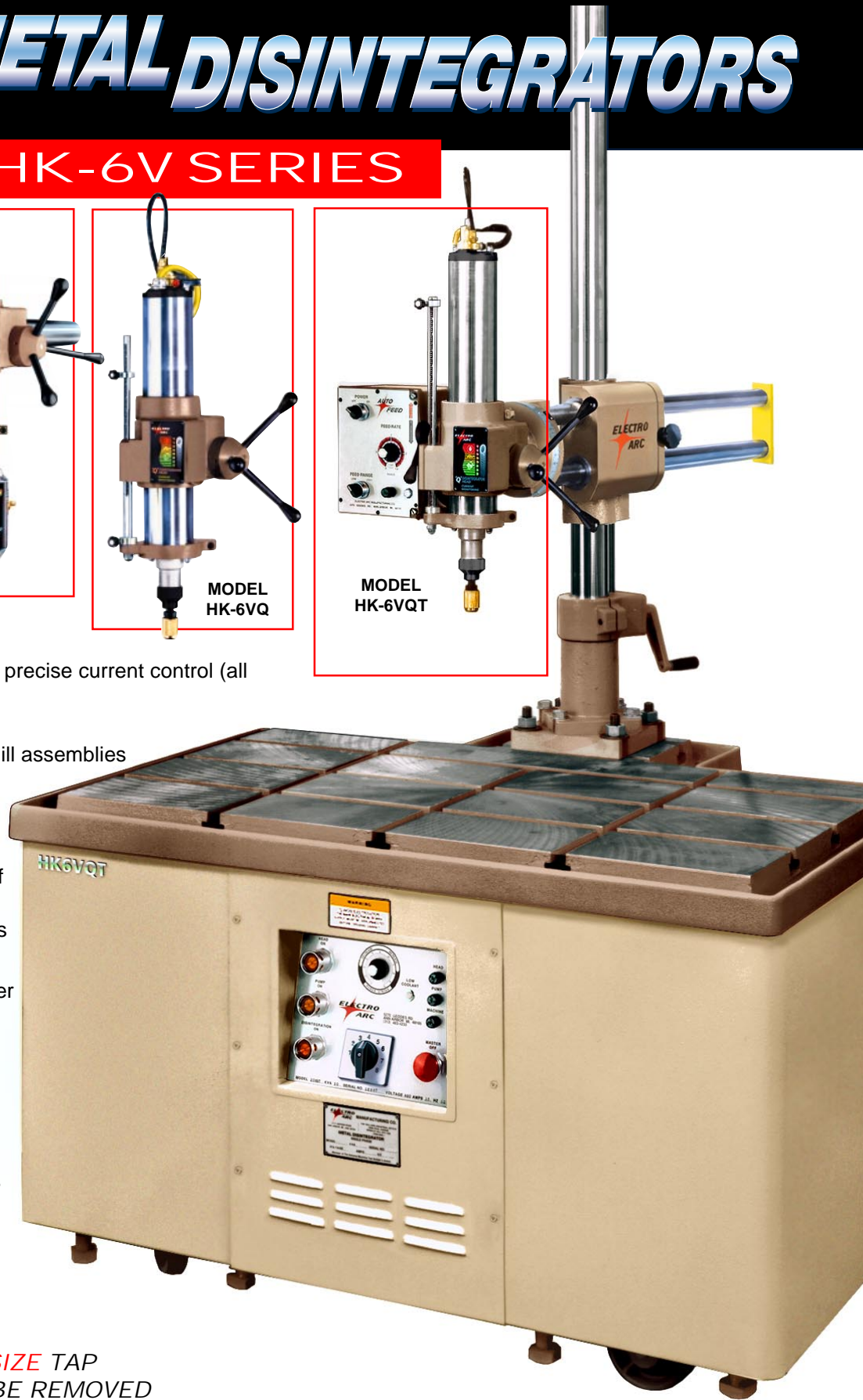
MODEL  
HK-6VQ



MODEL  
HK-6VQT

### FEATURES:

- **NEW:** LED-light Current Meter for precise current control (all models)
- Heavy-duty performance
- Precision ground and chromed quill assemblies
- Rack and pinion movement
- Automatic depth stop
- Two speed variable feed motor
- Retracting head with automatic off
- Rigid double barrel crossarms with precision ball-bearing slides
- Adjustable 305 mm (12") lift rack
- Heavy-duty 70 mm (2<sup>3</sup>/<sub>4</sub>") diameter chromed column
- Five power supply options
- SIC lighted push-buttons with emergency stop push button
- Slide-in power chassis with external fuses
- Ground work table with 8 "T" slots
- Heavy duty wheels and levelers
- Large capacity coolant system



### 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**

## 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. 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.

### 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.

### 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 and retract.

## SELECTION CHART

### Features by MODEL

	Q Head	Auto Feed	Arc'er Head	Spring Feed
HK-6V			●	●
HK-6VT		●	●	
HK-6VQ	●			●
HK-6VQT	●	●		

### Options available with HK-6V Series models:

- Power rating of transformer: 3, 10, 15, or 20 KVA
  - Column height: 1270 mm (50") (standard) or 1524 mm (60")
  - Power/Coolant Cable length: 2.13 m (7.5')(standard) or 3 m (10')
- Each of these choices affects the final cost of your machine.

## Model HK-6V Series STANDARD FEATURES

<b>OPERATING HEAD</b>	Operates in any position with fifty/sixty positive pulsating A.C. arcs per second. The head will use any conductive material as the electrode. Graduated scale in 1 mm (1/16") linear increments and 360 degree rotary movement in 1-degree increments. <b>NEW</b> LED-light power load meter for "intuitive" feed control.
<b>RIGID HEAVY DUTY HEAD SUPPORT</b>	<b>CROSSARM:</b> Rigidity without massive size is provided by the unique double-barrel arm design. Two hardened, 38 mm (1 1/2") diameter, 813 mm (32") long ground arms with four linear ball bearings for rapid set-up. Full 360 degree rotation around the column. Manual locks secure position. <b>COLUMN:</b> Hard chrome plated, 70 mm (2 3/4") diameter and 1270 mm (50") high. A 1524 mm (60") column is an available option. Column base casting is secured by four 19 mm (5/8") T-bolts and can be positioned anywhere on the table or alternate work surfaces. 304 mm (12") lift rack for raising and lowering the crossarm. The adjustable work height from the disintegrator head to the table is 813 mm (32") or 1838 mm (72") to the floor.
<b>BASE</b>	Heavy, reinforced frame construction. Ground, cast iron work table measuring 1295 mm (51") wide, 1003 mm (39 1/2") deep, 813 mm (32") high. Eight 19 mm (5/8") "T" slots. Recessed control panel; lighted push buttons; indicator light for low water level; external fuses; master stop; four heavy-duty ball bearing casters with leveling jacks. Standard finish is Tan with Brown; custom colors at additional cost. Machine supports 3629 kg (8000 lb).
<b>POWER TRANSFORMER</b>	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; D.C. current, low voltage. Machine tool electrical standards. Mass production J.I.C. electrical standards available at an additional 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>OPTIONAL EQUIPMENT</b>	Permanent magnet base (see at right). Low work table for extra tall parts. Fixtures designed and built for any component or special applications.
<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>	By factory trained personnel.
<b>GUARANTEE</b>	Fully guaranteed for one year against any defects. Three Years on 'Q' head
<b>SHIPPING DATA</b>	Approximate weights - Net: 624 kg (1375 lb), Gross domestic: 703 kg (1550 lb), Gross export: 760 kg (1675 lb), Volume: 2.832 m <sup>3</sup> (100 cu. ft.).

### OPTIONAL EQUIPMENT

adds versatility to your machine



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



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

## ELECTRO ARC MANUFACTURING COMPANY

161 Enterprise Drive, Ann Arbor, MI 48103

Phone: (734) 761-5400 • (800) 521-0423

• Fax: (734) 761-5426

• E-mail: sales@electroarc.com

## ELECTRO ARC COMPANY LTD.

The Wallows Industrial Estate

• Fens Pool Avenue

Brierley Hill, West Midlands DY5 1QA

Telephone: (01384) 263426 • Facsimile (01384) 79017

e-mail: sales@electroarc.co.uk