

**2-DV SERIES (FORMERLY 2-DB)**



**NEW:  
VERTICAL-  
PLANE  
double  
crossarms  
for 30%  
more rigid  
support**

**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:** 33 mm (1 1/2") dia. vertical-plane double-barrel hardened crossarms
- **NEW:** Thermal Protection ("Q" models)
- Heavy-duty performance
- Automatic or Spring feed
- Precision ground and chromed quill assemblies
- Rack and pinion movement
- Automatic depth stop
- Retracting head with automatic off
- Two speed variable feed motor
- Heavy duty 70 mm (2 3/4") diameter chromed column
- Five power supply options
- Adjustable 304 mm (12") lift rack
- Lighted push-buttons with emergency stop
- Slide-in power chassis with external fuses
- Ground work table with 6 "T" slots
- Heavy-duty ball bearing 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

### "In-the-Quill" (Q) Head: 2DVQT, 2DVQ

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 .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: 2DVQT & 2DVT

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.

### Portable **ARC-ER** Head: 2DVT, 2DV

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: 2DVQ, 2DV

Spring loaded feed unit is manually adjusted and assists the operator in feeding the disintegrator head in a continuous movement. Features adjustable depth stop.

## SELECTION CHART

Features by MODEL	Q Head	Auto Feed	Arcer Head	Spring Feed
2DV			●	●
2DVT		●	●	
2DVQ	●			●
2DVQT	●	●		

### Options for all 2DV Series models:

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

## Model 2DV Series STANDARD FEATURES

<b>OPERATING HEAD</b>	Both the Q and Arcer heads work by making and breaking 50/60 arcs per second. They will use any conductive material as an electrode. An LED-light amp meter allows the operator to intuitively monitor current drawn for optimum feed control. A graduated feed scale in 1 mm (1/16") linear increments allows presetting depth of cut. Both head types operate in any position.
<b>SUPER-STRUCTURE</b>	<b>Radial Crossarm:</b> <i>Vertical-plane</i> double-barrel design gives rigidity without excess mass. 2 hardened, ground arms 38 mm (1 1/2") diameter; 813 mm (32") long. Linear ball bearings. Arm carriage rotates 360 degrees around column, manually locks in 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. 304 mm (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 914 mm (36") or 1838 mm (72") to the floor).
<b>BASE</b>	Heavy, reinforced frame construction. Ground, cast iron work table measuring 660 mm (31") wide, 465 mm (30") deep, 813 mm (32") high. 1360 kg (3000 lb) capacity. Six 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. Standard finish is brown with tan; custom colors at additional cost.
<b>POWER TRANSFORMER</b>	Available for 110, 240, 380, 480, or 550-volt shop power supplies. Transformer ratings are available in 3, 10, 15, or 20 KVA. (Higher KVA ratings mean you can effectively disintegrate over a larger surface area at a given rate.) Number of cutting heat settings varies with transformer choice. Circuit breaker protection. Conforms to CE regulations. Machine tool electrical standards. Mass production JIC 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 SERVICE</b>	Available for immediate delivery. Provided by factory trained personnel.
<b>GUARANTEE</b>	Fully guaranteed for one year against any defects.
<b>SHIPPING DATA</b>	Approximate weights - Net: 294 kg (750 lb). Gross domestic: 397 kg (875 lb). Gross export: 449 kg (975 lb). Volume: 17 m <sup>3</sup> (56 cu. ft.)

**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

7/08

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