

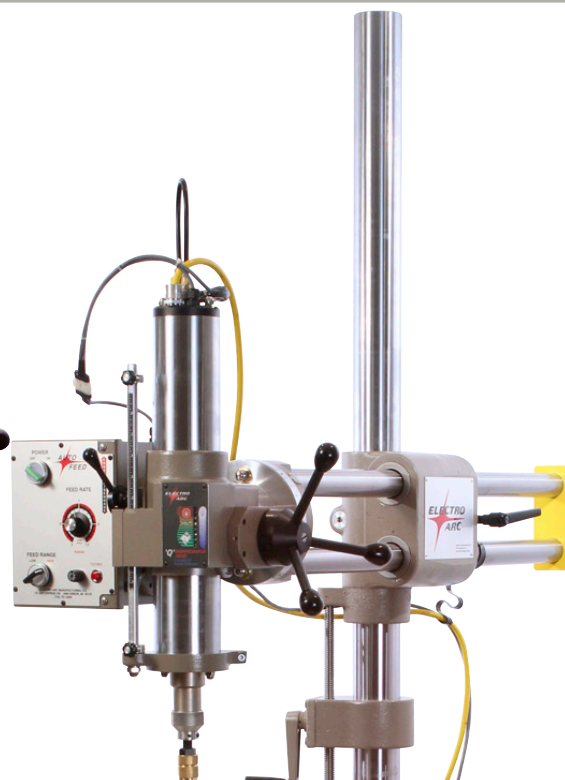


MODEL 1-SV

MODEL 1-SVT



MODEL 1-SVQ



MODEL 1-SVQT
IQ Head & Auto Feed



1-SV Series

Versatile, larger worktop

All four models salvage parts without damage in minutes – disintegrate broken screws, fasteners, bolts and taps – no heat distortion or thread damage

Vertically-set double crossarms provide rigidity, make positioning easy

Choose IQ head or Arc•er Head

Choose Auto Feed or Manual Feed

Choose from four power supply options

Big 40 x 32" work surface

Easy to secure parts to the work surface

Minimal maintenance required

See more specifications on page 2

**REMOVE
BROKEN TAPS
BOLTS & DRILLS
IN MINUTES**

IQ head can handle small 0-80 (1.2 mm) up to 2" (50 mm) diameter tooling in one pass

PERFORMANCE	
BROKEN TOOLING ONE INCH DEEP	REMOVAL TIME
0-80 TO 10-32	UNDER 1 min.
1/4"	1 - 2 min.
5/16"	1.5 - 2.5 min.
3/8"	1.5 - 2 min.
1/2"	2 - 4 min.
5/8"	1.5 - 2.5 min.
3/4"	2.5 - 3.5 min.

MADE IN USA



1-SV Series OPTIONS & SPECIFICATIONS

Choosing the features you need

"IQ" Head- top performer (Q/QT models)

In-the-quill disintegrator head gives continuous, reliable, heavy-duty service for the most demanding applications. Provides 9" (229 mm) of rack and pinion travel. Low-maintenance construction and design. Head body is hard chromed 3 1/4" (83 mm) diameter, precision ground to .002" (.05 mm) runout. Thermal protection cutout with Operator Alert can prevent expensive damage.

Spring Feed

Assists operator in feeding the disintegrator head in a continuous movement. Manually adjusted. Adjustable depth stop with automatic shutoff/retract.



Compact, durable **ARC-ER** Head

For machines 3 - 15 KVA only. Portable head provides reliable, accurate heavy-duty service with minimal maintenance. State-of-the-art LED Amp Meter right in the body makes process control easy. Length: 12 1/2" (317.5 mm). Weight: 5.5 lb. (2.49 kg). A 1 1/2" (12.7 mm) diameter, 2" (50.8 mm) long arbor allows remote operation in other machine tools.

Automatic Feed

Transistorized feed provides 9" (229 mm) uninterrupted feed for **hands-free** operation. Eliminates operator error, maximizes performance, minimizes electrode usage. Features adjustable automatic shutoff, auto stop, variable 2-speed, feed rate selector and plug-in integrated circuit board. Amp Sensing moderates feed (20KVA models, IQ Head only).



Features by MODEL

	Q Head	Auto Feed	ARC-ER Head	Spring Feed
1-SV	●	●	●	●
1-SVT	●	●	●	●
1-SVQ	●	●	●	●
1-SVQT	●	●	●	●

STANDARD FEATURES for all four models

OPERATING HEAD	Both heads work by creating 50/60 positive arcs per second at the target metal with a molybdenum electrode. Provides 9" (229 mm) of rack and pinion travel. Built-in LED current monitoring indicator color-coded to assist operator feed control. Operate at any angle. Can be rotated 360 degrees around the crossarm axis. Feed scale graduated in 1/16" (1 mm) increments.
SUPPORT	Column: Hard chrome plated, 2 3/4" (40 mm) diameter and 50" (1270 mm) high (a 60" - 1523 mm - column is an available option). The work height from the disintegrator head to the table adjustable to a maximum of 36" (914 mm) or 72" (1828 mm) to the floor). Base secured by 5/8" (11 mm) T-bolts allowing disintegrating head to be positioned anywhere on the work surface. Radial Crossarm: Double, hardened 36-inch (914 mm) crossarms 1 1/2-inch (38 mm) diameter. Linear ball bearings. Crossarm casting rotates a full 360 degrees around the column. Separate manual locks for height and rotation.
BASE	Heavy, reinforced frame construction. Ground, cast iron work table 40" (1016 mm) wide, 32" (812.8 mm) deep, 34" (863.6 mm) high. 3000 lb. (1360.7 k) capacity. Seven 5/8" (15.8 mm) "T" slots. Recessed control panel; lighted push buttons; indicator light for low water level; external fuses; master stop; four heavy-duty ball bearing casters and machine levelers.
POWER TRANSFORMER	Input voltage options: 208, 240, 380, 480, or 550 volts AC. Power supply ratings available are 10, 15, or 20 KVA. Circuit breaker protection.
COOLANT SYSTEM	Pull out tank for easy cleaning. Cartridge type, filtered-intake. Pump: 2 GPM; 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. 7.5 foot (2.3 m) standard; ten foot (3.26 m) length available.
SHIPPING DATA	Approximate weights - Net: 1050 lb. (476 k), Gross domestic: 1175 lb. (532.97 k), Gross export: 1250 lb. (566.9 k), Cubic feet: 70 (1.98 M³)
WARRANTY	One year.

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Power Supply choices

Tap size range each power rating disintegrates in one pass:

RATING	MIN	MAX
3 KVA	0-80/1.5 mm	3/8"/10 mm
10 KVA	0-80/1.5 mm	3/8"/10 mm
15 KVA	#2/2 mm	3/4"/19 mm
20 KVA	#6/3 mm	2"/50 mm

OPTIONS must be selected with original order

V0221

3000 lb. Permanent Magnetic Base

For taking disintegration off the table. For 50" (1270 mm) column only. Part # A2452



Dual Coolant Valve

Select external coolant source or the built-in coolant tank. Part # A6448



Remote Start/Stop
Part # A3258

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