



METAL DISINTEGRATORS



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

PERFORMANCE

BROKEN TOOLING ONE INCH DEEP	REMOVAL TIME
0-80 to 10-32 No. 1.6	UNDER 1 min.
1/4" No. 6	1 - 2 min.
5/16" No. 8	1.5 - 2.5 min.
3/8" No. 10	1.5 - 2 min.
1/2" No. 14	2 - 4 min.
5/8" No. 18	1.5 - 2.5 min.
3/4" No. 22	2.5 - 3.5 min.



Crankshaft Plus

Customizable to specific needs and parts

Crankshaft fixture with clamping for absolute positioning

"Plus" 40" x 32" work surface with five 5/8" T slots

Disintegrates broken screws, fasteners, bolts and taps without heat distortion or thread damage

Disintegrates tooling from #2 (2 mm) up to 1-1/4" (32 mm) diameter in one pass

Servo controlled feed system for minimal operator intervention

Rigid double crossarms with power lift for easy positioning

Minimal maintenance

Other table sizes and options available

Crankshaft fixture custom built to specification



FEATURES for machine shown on page 1

OPERATING HEAD & SERVO FEED	Precision-spindle disintegrating head operates in any position. Works by making and breaking 120 arcs per second. Manual or servo-controlled operation. Start and Depth Stop switches on the quill block with auto shutoff and 12" (305 mm) continuous rack-and-pinion feed. Graduated feed scale in $\frac{1}{16}$ " (1 mm) increments. Quill protected by 2 bellows covers. Automatic Servo Feed works at any angle.
SUPPORT SUPERSTRUCTURE	Radial Crossarms: Two hardened 36" (914 mm) shafts $1\frac{1}{2}$ -inch (38 mm) dia., traveling in recirculating ball bearings. Crossarm casting rotates 360° around column. Separate manual locks for height and rotation. Column: Hard chrome plated, $2\frac{3}{4}$ " (70 mm) dia., 50" (1270 mm) high. 12" (305 mm) lift rack. Maximum work height under spindle to table: 30" (762 mm) or 72" (1828 mm) to floor.
BASE	Heavy, reinforced frame construction. Ground, cast iron work table 40" (1016 mm) wide x 32" (812 mm) deep, 32" (812 mm) from floor to tabletop. Five $\frac{5}{8}$ inch (15.8 mm) "T" slots. Six Leveling jacks.
POWER SUPPLY	Controlled rectified DC cutting power with eleven heat selections. Control panel includes lighted push buttons for Start/Stop, lighted Power On indicator, DC Amp meter for the cutting circuit, rotary switches for Vibration and Coolant Pump, external fuse for the Head Vibration and power supply. Jog switch moves spindle up/down in quill. A resettable thermal circuit breaker protects the Disintegration circuit. Rotary selector switch for cutting power, potentiometer controls for Vibration Amplitude and Servo Feed.
COOLANT SYSTEM	Coolant tank. 2 GPM rotary gear pump, 90 PSI, 1/3 HP motor, single phase 120 volt. Power Coolant Cable double stranded, woven copper braid with polyvinyl cover. 10 ft (3 m)
SHIPPING DATA	Approximate weights: Net 950 lb. (431 kg), Gross domestic 1100 lb. (499 kg), Gross export 1100 lb (499 kg).
WARRANTY	One year.

OPTIONS

V1019

To order the optimal machine for your application, have us help you select the best power supply (including AC or DC options), table size, column height, power lift, crankshaft or other special part holders, and more.

*Choosing A Power Supply

To remove broken taps in one pass:

AC machines:

15 KVA up to 1-1/4" (32 mm)

20 KVA* up to 2" (50 mm)

*with IQ Head and Auto Feed only

DC machines:

Input: 240, 380, 480 or 575 volts

Taller Column Options

60" Column (1524 mm)

Part #2400-3

72" Column (1828 mm)

Part #2400-4

Longer crossarm options

36" Crossarms

Part #2432

48" Crossarms

Part #2433

Table Size Options

51" (1245 mm) wide x 39" (1003 mm) deep

Part #3211

35" (889 mm) wide x 23" (584 mm) deep

Part #3121

Power Lift Option

Full-travel motorized lead screw raises/lowers crossarm.

Variable-speed motorized head travel also available.

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