



# DIGITAL TAP REMOVER+

## Broken Tap Remover Electric Discharge Machine.

- Unbeatable for removing broken taps and drill bits!
- New computerized power supply unit with touch-sensor panell!
- Twice the speed of previous models!



### POWER SOURCE

Power supply unit equipped with handle for portability.



### TAP WATER

Use ordinary tap water as the dielectric fluid.



### BRASS ROD

Use any brass rod as an electrode.



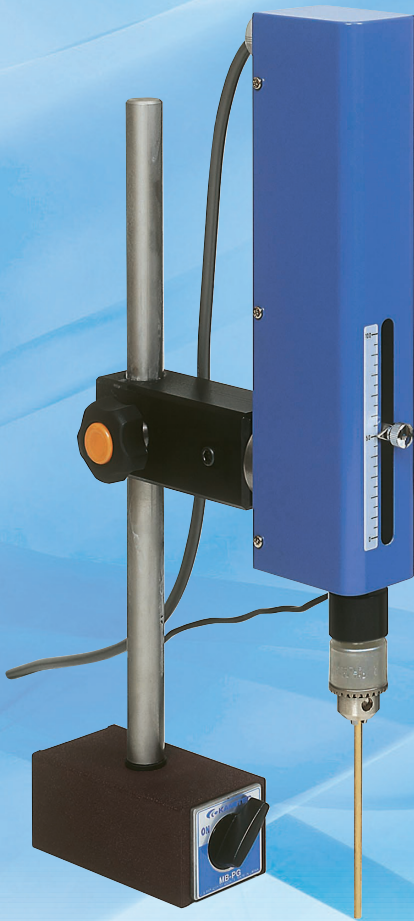
### LARGE WORK

Adapts easily to even large workpieces.



### NO DAMAGE

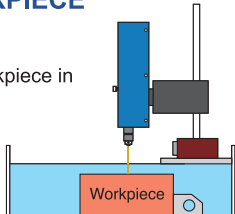
Remove taps without damaging the threads.



DIGITAL  
Light weight 4kg

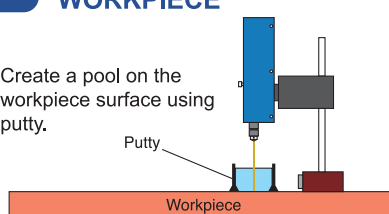
### A SMALL WORKPIECE

Submerge workpiece in work tank.



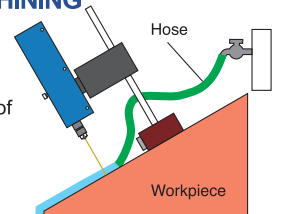
### B LARGE WORKPIECE

Create a pool on the workpiece surface using putty.



### C NON-VERTICAL MACHINING

Supply a flow of water while machining.



## 1 FEATURES

- Removes taps of any size, approx. M3-20
- Suitable for use with workpieces of any conductive material.(aluminum,brass,copper,cast iron,stainless steel,special steel,etc.)
- Automatically stops at a specified machining depth, pulls out and sounds a buzzer when machining is complete.
- Overlord alarm function prevents damage to the EDM head by automatically stopping the head's downward motion upon meeting a specified resistance.
- Short timer function stops machining automatically when there is a short of specified 3,7,or 10 seconds duration.
- Rotating EDM head. see fig.1

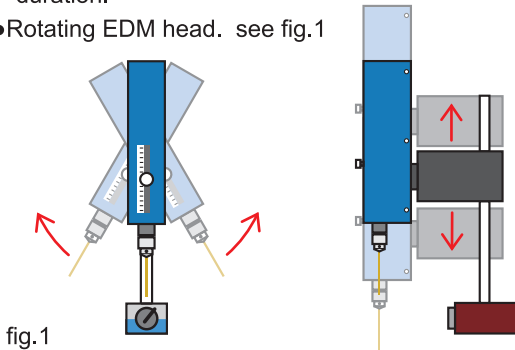
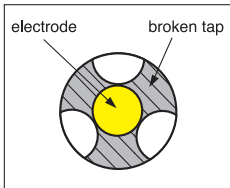


fig.1

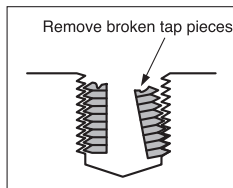
## 2 How TAP REMOVER

How TAP REMOVER gets taps out of your way (spiral taps too!)

### Overhead view



### Cross section



- To remove a broken tap end that is stuck in a hole, make a hole in its center using an electrode of one-half the diameter of the tap.
- Removing the tap in pieces leaves the threads intact.

## 3 OTHER APPLICATIONS

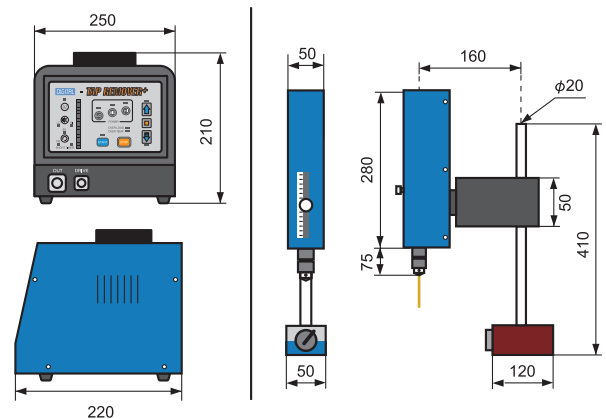
- Pre-hole drilling of workpiece for wire cut
- Cutting for Tungsten carbide workpiece

## 4 MACHINING SPEED

### Examples

Tap size	Machining depth	Time Required	Electrode Diameter
M 6	10mm	5min	φ3
M 10	10mm	12min	φ5

## 5 DIMENSIONS AND SPECIFICATIONS



Power Supply Unit	
Weight	4Kg
Dimensions	250×220×210

EDM Head	
Weight	6Kg including magnet stand
Dimensions	50×250×410
Z-axis stroke	100mm
Electrode holder(chuck)	MAX φ6.5

## 6 STANDARD FIXTURES

### Standard

- Power Supply Unit
- EDM Head
- Magnet Stand
- Special putty
- Electrodes(brass rod)
- 2 rods each : φ1.0 · φ1.5 · φ2.0 · φ2.5 · φ3.0
- 1 rods each : φ4.0 · φ5.0 · φ6.0



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