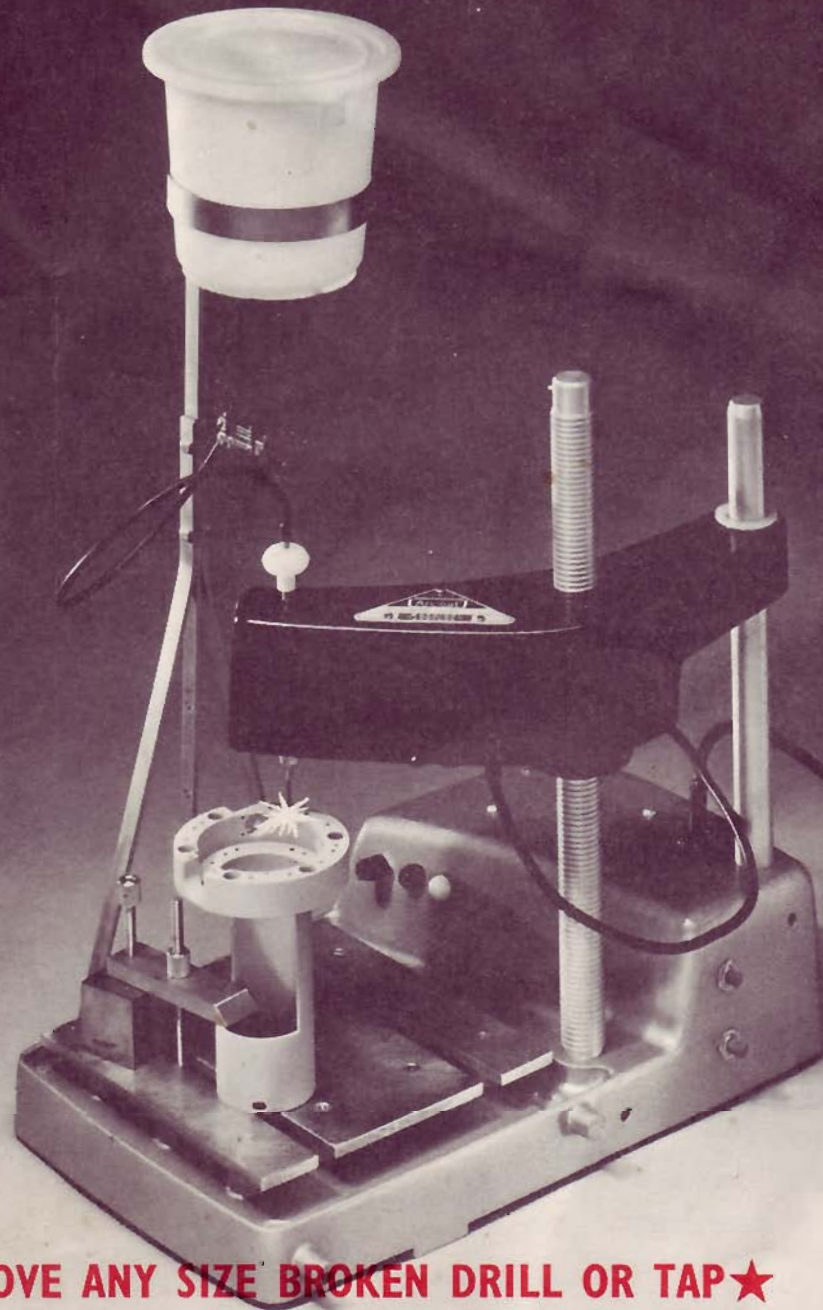


The

Watton Electronics Ltd

"Arc-out"



**REMOVE ANY SIZE BROKEN DRILL OR TAP★
FROM ANY SIZE COMPONENT WITH SAFETY**

★FROM 12 BA (1.2 mm) UPWARDS!

SHEET A1

"Arc-out"

THE MODERN WAY

Arc or spark erosion is the safest and surest way of removing broken taps and drills. Powered from 200/250v AC. "Arc-out" is a complete self-contained machine with plastic containers for its water supply (a water tap can be used for permanent installations).

Work to be salvaged is normally mounted on the 8" x 8" work table, but being light, the complete machine can be mounted onto or alongside extra large castings, assemblies, etc. Used in this way there is no restriction to the size of work that can be salvaged.

"Arc-out" does not tie up any of your existing plant or factory space. It often pays for itself by the salvage from its first application. It is completely safe as only 12-15v are used on the cutting electrode.

REMOVE BROKEN TAPS AND DRILLS WITH ARC-OUT

"Arc-out" removes the cores of taps and drills from any metal, without damage to the thread or hole. The flutes then collapse and fall out.

Although taps over 1/2" diameter are not often broken, they are removed as easily as small ones.

Cut through large taps with a blade electrode made from a tubular electrode, cut open and flattened.

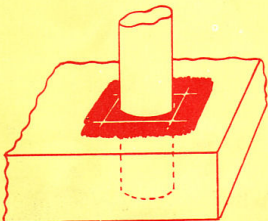
Below 6 BA, removal of a link engages the MINICUTTING ACTION which, with the FINGERTIP CONTROL gives sensitive operation down to 12 BA (1.2 mm).

ARC-OUT MACHINES THROUGH HOLES IN HARDENED METALS

Add or enlarge keyways in milling cutters.

Add holes to hardened dies, etc. No need to anneal and reharden.

Simply make a brass or copper tube of the required size, box the position, and erode the hole leaving a grinding allowance if required.



ONLY "ARC-OUT" HAS THESE FEATURES

★ LIFT SWING HEAD

Lock the head up by lifting and swinging. Remove any flutes that are free.

★ MICROFEED

Relower the head on to the microfeed nut and restart cutting with positive feed control.

★ CUT-OUTS

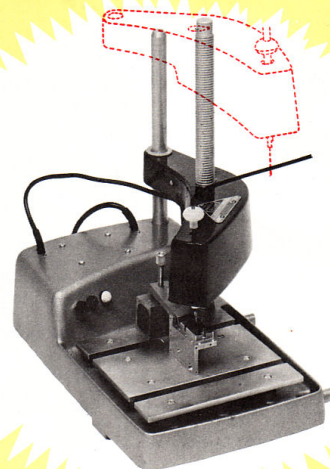
Automatic cut-outs protect "Arc-out" from accidental overload.

★ MINICUTTING ACTION

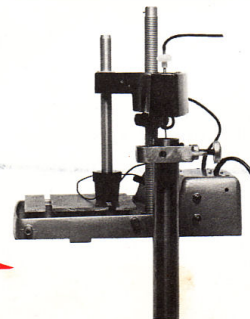
Switch to Minicutting when using fine electrodes for taps down to 12 BA (1.2 mm).

★ FINGERTIP CONTROL

Gives sensitive operation when starting on the jagged ends of taps, small holes, etc.



★ LARGE COMPONENTS ★



The support mount lets the head operate clear of, and below the plane of, the base.

The photograph shows a centre drill being removed from a long shaft (one end only shown).

WHEN THE WORK WON'T FIT ON THE "Arc-out" THE "Arc-out" FITS ON, BESIDE, OR EVEN INSIDE, THE WORK.

Watton Electronics Ltd

SPECIFICATION

ELECTRICAL SUPPLY - - -	240v AC 50c/s—1 amp (other voltages to order).
WATER SUPPLY - - -	Approx. 1/5 pint/min. from plastic containers or from a cold water tap.
TABLE SIZE - - -	8" x 8".
HEIGHT CLEARANCE - - -	Model 1A—approx. 9". Model 1B—approx. 15".
WORK SIZE - - -	Unlimited (using support mount).
WEIGHT - - -	30 lbs. (gross).
CUTTING SPEED - - -	$\frac{1}{16}$ " dia. electrode cuts $\frac{1}{16}$ " thick hard high speed tool steel in 1 min. 50 secs.
ELECTRODES - - -	A selection of 7 electrodes is supplied with eroder. These are soldered onto adaptors before use. Two adaptors are supplied.
ELECTRODE WEAR- - -	Less than 1/3 x depth cut.

(Watton Electronics Ltd. reserve the right to modify this specification)

EQUIPMENT

PORTABLE WATER SUPPLY -	A set of water containers, fitting stand, flow adjuster clip, and drain hose. This gives a complete independent water supply.
SUPPORT MOUNT - - -	Enables "Arc-out" to cope with large work.
TABLE CLAMPS - - -	Made from brass especially for "Arc-out".
MAGNETIC PICK KIT - - -	Removes loose flutes from blind holes.

Available from Manufacturers

or

Agents

WATTON ELECTRONICS LTD

24 Hyde Way, Welwyn Garden City, Herts AL7 3AR
Telephone . . . Welwyn Garden 25585/6/7