

MOTORISED NOTCH BROACHING MACHINE (Model: BMF-M)

Salient Features

- Robust design, cuts the notches (V or U) very accurately by means of specially designed multi-toothed Broach.
- Simple to use, accurate & reliable.
- This machine accurately cuts the desired notches as per respective standard in just a single pass within few seconds. No efforts, all by motorized operation. Just to press a push button to start.
- Suitable for Ferrous & Non-Ferrous samples.
- Equipped with broach guard for safety.
- Easy removal & assembly of broach & Longer broach Life.
- Ball Screw for uniform cutting action.
- Hardened rods with LM bushes for smooth motion.
- Micrometer for fine feed.
- Excellent notch finish & Excellent Repeatability.
- Front door access for easy maintenance.



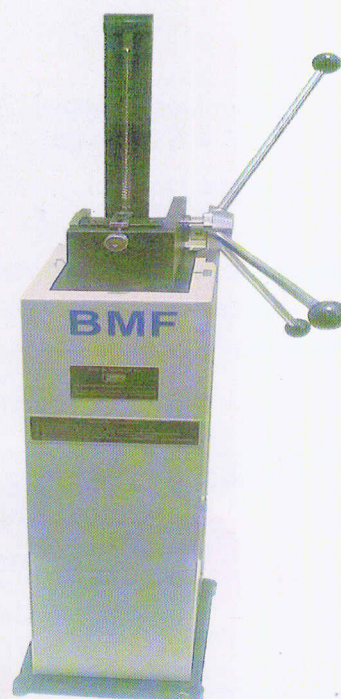
Operation at Glance

Test piece as specified by ASTM, BS, DIN, IS or equivalent standard is clamped on adjustable vice, which is at comfortable working height & whose Y-axis motion can be minutely adjusted by micrometer. Linear motion is imparted to the broach through motor, pulley mechanism & finally through ball screw & Linear guide shaft mechanism. Up-down motion of broach is controlled by limit switch, which is also equipped with over travel safety trip mechanism. After pushing down the switch, the broach traverses & produces desired V or U notch in the test piece.

MANUAL NOTCH BROACHING MACHINE (Model : BMF)

Salient Features

- Robustly constructed machine cuts the notches (V or U) very accurately by means of specially designed multi-toothed broach, which is drawn across the specimen by self-push of rotating hand wheel.
- This machine is a really cost effective solution for cutting Impact notches. Accurately cuts the desired notches as per respective standard in just a single pass within few seconds.
- A simple hand-vice for holding the specimen.
- The tooling includes the adjusters and end stops necessary to ensure notch-depth and position are correctly set.



Operations at Glance

Test piece as specified by ASTM, BS, DIN, IS or equivalent standard is clamped on simple hand-vice, which is at comfortable working height. The tooling includes the adjusters & end stops, necessary to ensure notch depth & position are correctly set. Then, rotate the hand wheel, so that the specially designed multi-toothed broach is drawn across the specimen to cut the desired V or U notch in just a single pass.

MOTORIZED NOTCH BROACHING MACHINE WITH VARIABLE SPEED CONTROL (Model : BMF-M-VSC)

- All the technical specifications are same as per Motorized notch broaching machine (Model: BMF-M)
- Motorized Machine with variable speed control is also introduced where cutting speed of the broach can be varied to adjust as per the hardness of the test piece.
- The Machine is equipped with variable frequency drive to adjust the speed.
- Machine can be customised to any special customers requirements (optional).

Features

Specifications	Motorised Model:BMF - M	Manual Model: BMF
Operation	By 3-phase, 0.5 HP motor.	Manually by self-push rotating hand wheel.
Speed of broach traverses across the specimen	1400 mm/min	Manual operating speed.
Broach Guard (for safety)	Provided	Not provided
Fine Micrometer adjustment	Provided	Manual adjustment
Broach	Pull type specially designed broach 17" long with 90 numbers of teeth made of HSS M2 with a capability of cutting test pieces with a hardness of 25 HRC.	Pull type specially designed broach 17" long with 90 numbers of teeth made of HSS M2 with a capability of cutting test pieces with a hardness of 25 HRC.
	Broaches are also available in HSS M35 with TIN coating which capable of cutting test pieces upto 40 HRC (optional).	Broaches are also available in HSS M35 with TIN coating which capable of cutting test pieces upto 40 HRC (optional).
Dimensions (Approx.) L x B x H (in mm)	400 x 400 x1250	210 x 210 x1050
Weight (Approx.) (in kg)	100	35

We can also supply – Universal testing machine, Tensile testing machine, Spring testing machine, Horizontal rope & chain testing machine, Hardness testers (Brinell, Rockwell, Vickers), Digital Rockwell hardness testers, Dynamic balancing machine, Impact testing machines, Digital Torsion testing machine, Digital Fatigue testing machine, Dynamic hardness tester, Portable hardness tester, Compression testing machine & Special purpose Material testing machines, etc...

Sold & Serviced by –



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