



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# V/U NOTCH BROACHING MACHINE (HYDRAULIC)

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



**BVU-2Y**

**DESCRIPTION:**

In the material notch impact test, the processing of the V-shaped notch (or U-shaped notch) is the key issue of whether the test can be carried out. This broaching machine provides you with an ideal and 100% guaranteed qualified 2mmV type Special equipment with 2mm U-shaped notch.

This broaching machine is driven by a motor driven oil pump, and the oil pump is controlled by a hydraulic cylinder. It can be equipped with V-shaped or U-shaped broaches according to user requirements. The sample gap can be processed and formed at one time, and two standard sample gaps can be successfully drawn at one time. It adopts special materials and special technology to precisely process and manufacture, with high hardness, good wear resistance, long service life and easy operation. The processed V-shaped notch and U-shaped notch can meet the relevant national standards. Due to the principle of one-time broaching forming, the processing uniformity is excellent, which can ensure that the processed sample notches are 100% qualified.

This product is faster than other products, and can be adjusted according to customer needs.

The operation is simple and convenient

**FEATURES:**

- Robust design, cuts the notches (**V** or **U**) very accurately
- Specially designed multi-toothed broach.
- Simple to use, accurate & reliable.
- Equipped with broach guard for safety.
- Easy removal & assembly of broach & Longer broach Life.
- Depth of V-Notch adjustment provided in case of increased or decreased depth.
- Micro meter for fine adjustment.
- Excellent notch finish & Excellent Repeatability.
- Front door access for easy maintenance.
- Hardened rods with LM Bearings and bushes for smooth motion.
- No efforts, all by motorized operation, just to press a push button to start.

**TECHNICAL SPECIFICATIONS:**

<b>Model No.</b>	<b>BVU-2Y</b>
<b>Driving Mode</b>	Hydraulic
<b>Broach</b>	V / U (Standard 2mm Depth)
<b>Specimen Dimensions</b>	10x10x55mm (Standard Dimensions)
<b>Speed</b>	2.5m/min
<b>Broach stroke</b>	340mm.
<b>Power Source</b>	440 3 Phase
<b>Weight</b>	150 Kgs (Approx.)
<b>One Blade, "V" Type fitted with machine ("U" Type Optional), Extra Broach as Spare Part Available</b>	

**STANDARD ACCESSORIES:**

<b>Host</b>	<b>1 unit</b>
<b>2mmV type broach</b>	1 piece 2mm
<b>U-shaped broach</b>	1 piece
<b>Hydraulic system</b>	1 set cylinder driven, single cylinder and double cutter, valve adjustment for oil volume to increase speed

**WORKING PRINCIPLE AND STRUCTURAL CHARACTERISTICS:**

The machine is composed of hydraulic part, main drive part, electric control part, auxiliary part and so on.

The hydraulic part is composed of an oil tank, a motor, a pump, an oil cylinder, etc. The main motor with a pump rotates clockwise to suck oil, and the oil supply cylinder moves up and down with a cutter body (V-shaped, U-shaped special broach) at a speed of 2.0m/min. And U-shaped notch.

There is a lubricating oil cup on the knife seat. Fill the oil cup with lubricating oil (30# engine oil or other lubricating oil) when working. Before and after cutting, use a brush with a small amount of oil to remove the iron filings and lubricate the cutting edge. Be sure to use a brush to remove the iron filings before cutting. There is an oil box under the oil cylinder to receive a small amount of lubricating oil. It can be cleaned regularly according to the length of working time of the machine.