



*Manufacturer & Exporter Of
Broaching Machines & Wide Range
Of Hydraulic Press Machine*



Manufactured by: **BALAJI**
HYDRO - TECH

www.balajihydrotech.com



Company Profile

Established in the year 2003, Balaji Hydro Tech is pioneer based in Rajkot, Gujarat with reputed Manufacture, Supplier and Exporter of Broaching Machines and a wide range of Hydraulic Press Machines.

In age of high-end technology and innovation, we have been upgrading our machines design, manufacturing process and quality to stringent adherence to International Quality Standards to create a niche ourselves in this highly dynamic and competitive field.

Mr. Upendra Rathod, has led to establish a firm foot hold in machines tools industry. His extensive 40+ years of experience in machine tools manufacturing has also helped us in garnering a strong presence in the national market and in exploring international market region.

Quality Policy :

Our focus towards Quality and Performance is on the top priority, our machines pass through different stages of quality checks. Our machines are built with reliability, durability, precision workmanship to outcome in high performance. We BHT commit ourselves to put in top notch quality standards in our machines to achieve our total customers satisfaction by applying the following quality policy.

- Design to Precision Output
- Use of Genuine Material
- Quality focused Workmanship
- Continuously upgrading our Products
- Use of new Technology
- High Performance & Built to Last Products
- Customer Satisfaction

Competitive Prices Clientele:

With more than two decades of experience in this field, we have developed a strong base of our clients and further continue to do so by manufacturing, supplying, and exporting of first-class quality of machines. We work in a way to build long lasting relationship with our clients and push our limits to live up to their expectation.

Our Vision:

To become most preferred and valuable brand of superior quality-based manufacturing in our products.

Use in Various Industries:

Industries as below mentioned :-

 Machine Tools

 Value

 Railways

 Automotive

 Power Generation

 Automation

 Marine

 Mining

 Aviation

Automatic Vertical Broaching Machine - Pull Type

Features :-

- High Tonnage Capacity
- Lower Working Height Table
- High Accuracy
- Low Maintenance
- Very Easy Operating
- Very Fast Operation
- Bearing Guide Shaft Operating
- Branded Material / Parts

Extra Items :-

- Hydraulic Oil Cooler System
- Magnetic Chip Removing Systems
- Pull Broach Holders
- Retrieval Broach Holders
- Component Guide Plate
- Guide Bush For Keyway.

Operating Features :-

- Internal Broaching.
- Vertical - Pull Type Working.
- Keyway, Double Keyway, Spline, Serration, Square, Hex, etc.
- Auto Sliding Front Openable Safety Guard
- Safety Covers / Guards
- SS, MS, Cast Iron, Carbon Steel, Brass, Aluminium, etc.
- Automatic Pull Broach Holder and Upper Henging Holder.
- Best Suitable for Medium and Big Size Components.
- Suitable for High Production Capacity.
- Hydraulic Auto Retrieval System.
- Touch Free Cutter Broaching Operation.
- Auto Brushing on Cutter.
- Auto Front Door Open/Close



Standard Machine Models :

Model	BM/V2R-10T/1200	BM/V2R-14T/1400	BM/V2R-16T/1600	BM/V2R-18T/1800	BM/V2R-20T/2000
Tonnage Capacity	10 Ton	14 Ton	16 Ton	18 Ton	20 Ton
Guide Shaft Dia.	40 mm.	50 mm.		60 mm.	
Guide Shaft System	C45 Guide Shaft with Linear Bearings				
Working Table Size	225 x 300 mm.	250 x 400 mm.		300 x 500 mm.	
Max. Broach Length	1200 mm.	1400 mm.	1600 mm.	1800 mm.	2000 mm.
Hydraulic Cylinder Stroke	950 mm.	1200 mm.	1350 mm.	1550 mm.	1750 mm.
Electric Motor	10 HP	15 HP	20 HP		30 HP
Coolant Motor	0.25 HP		0.50 HP		
Auto Retrieval System	Hydraulic Auto Retrieval System				

Customize, Special Purpose Machine (SPM) Size & Designs Available

Vertical Broaching Machine - Pull Type (Double Cylinder)



Features :-

- High Tonnage Capacity
- Lower Working Height Table
- High Accuracy
- Low Maintenance
- Easy Operating
- Fast Operation
- Bearing Guide Shaft Operating
- Branded Material

Operating Features :-

- Internal Broaching.
- Vertical - Pull Type Working.
- Keyway, Double Keyway, Spline, Serration, Square, Hex, etc.
- SS, MS, Cast Iron, Carbon Steel, Brass, Aluminium, etc.
- Work with Manual and Automatic Pull Broach Holders.
- Best Suitable for Small & Medium Size Components.
- Suitable for High Production Capacity.

Extra : Hydraulic Oil Cooler, Magnetic Chip Removal Pull Broach Holder etc. available

Standard Machine Models :

Model	BM/V2-8T/1000	BM/V2-10T/1200	BM/V2-14T/1400	BM/V2-16T/1600	BM/V2-18T/1800
Tonnage Capacity	8 Ton	10 Ton	14 Ton	16 Ton	18 Ton
Guide Shaft Dia.	40 mm.		50 mm.		
Guide Shaft System	C45 Guide Shaft with Linear Bearings				
Working Table Size	225 x 300 mm.		250 x 400 mm.		300 x 500 mm.
Max. Broach Length	1000 mm.	1200 mm.	1400 mm.	1600 mm.	1800 mm.
Hydraulic Cylinder Stroke	800 mm.	950 mm.	1150 mm.	1350 mm.	1550 mm.
Electric Motor	7.5 HP	10 HP	15 HP		20 HP
Coolant Motor	0.25 HP		0.50 HP		

Customize, Special Purpose Machine (SPM) Size & Designs Available

Vertical Broaching Machine - Pull Type

Features :-

- High Accuracy
- Low Maintenance
- Easy Operating
- Fast Operation
- Bearing Guide Shaft Operating
- Branded Material

Operating Features :-

- Internal Broaching.
- Vertical - Pull Type Working.
- Keyway, Double Keyway, Spline, Serration, Square, Hex, etc.
- SS, MS, Cast Iron, Carbon Steel, Brass, Aluminium, etc.
- Work with Manual and Automatic Pull Broach Holders.
- Best Suitable for Small Components.

Extra : Hydraulic Oil Cooler, Magnetic Chip Removal Pull Broach Holder etc. available

Standard Machine Models :

Model	BM/V-3T/600	BM/V-3T/800	BM/V-5T/1000
Tonnage Capacity	3 Ton		5 Ton
Guide Shaft Dia.	30 mm.		30 mm.
Guide Shaft System	C45 Guide Shaft with Linear Bearings		
Working Table Size	300 x 275 mm.		400 x 300 mm.
Max. Broach Length	600 mm.	800 mm.	1000 mm.
Hydraulic Cylinder Stroke	400 mm.	600 mm.	800 mm.
Electric Motor	3 HP	5 HP	
Coolant Motor	0.25 HP		

Customize, Special Purpose Machine (SPM) Size & Designs Available



Horizontal Broaching Machine - Pull Type



Features :-

- Lowest Working Height
- High Accuracy
- Low Maintenance
- Easy Operating
- Fast Operation
- Bearing Guide Shaft Operating
- Branded Material

Operating Features :-

- Internal Broaching.
- Horizontal - Pull Type Working.
- Keyway, Double Keyway, Spline, Serration, Square, Hex, etc.
- SS, MS, Cast Iron, Carbon Steel, Brass, Aluminium, etc.
- Work with Manual Pull Broach Holders.
- Best Suitable for Medium & Heavy Components.

Extra : Hydraulic Oil Cooler, Magnetic Chip Removal Pull Broach Holder etc. available

Standard Machine Models :

Model	BM/H-3T/600	BM/H-3T/800	BM/H-5T/1000	BM/H-7T/1200	BM/H-10T/1400
Tonnage Capacity	3 Ton		5 Ton	7 Ton	10 Ton
Guide Shaft Dia.	30 mm.		30 mm.	40 mm.	
Guide Shaft System	C45 Guide Shaft with Linear Bearings				
Working Table Size	200 x 200 mm.		300 x 250 mm.		400 x 300 mm.
Max. Broach Length	600 mm.	800 mm.	1000 mm.	1200 mm.	1400 mm.
Hydraulic Cylinder Stroke	400 mm.	600 mm.	800 mm.	1000 mm.	1200 mm.
Electric Motor	3 HP	5 HP		7.5 HP	10 HP
Coolant Motor	0.25 HP				

Customize, Special Purpose Machine (SPM) Size & Designs Available

Vertical Broaching Machine - Push Type

Features :-

- High Accuracy
- Low Maintenance
- Easy Operating
- Branded Material Poets Fitting

Operating Features :-

- Internal Broaching.
- Vertical - Push Type Working.
- Keyway, Double Keyway, Spline, Serration, Square, Hex, etc.
- SS, MS, Cast Iron, Carbon Steel, Brass, Aluminium, etc.
- Work with Push Broach Pusher.
- Best Suitable for Big Components.
- Suitable for Low Quantity.

Extra : Hydraulic Oil Cooler, Push Broach Pusher, Guide Bush for Keyway etc. available

Standard Machine Models :

Model	BM/V/PH-3T/300	BM/V/PH-5T/500	BM/V/PH-8T/800
Tonnage Capacity	3 Ton	5 Ton	8 Ton
Working Table Size	250 x 250 mm.	350 x 350 mm.	450 x 450 mm.
Max. Broach Length	300 mm.	500 mm.	800 mm.
Hydraulic Cylinder Stroke	400 mm.	400 mm.	900 mm.
Electric Motor	3 HP	5 HP	7.5 HP

Customize, Special Purpose Machine (SPM) Size & Designs Available



FOUR PILLAR HYDRAULIC PRESS



AUTOMATIC FOUR PILLAR HYDRAULIC PRESS



FOUR PILLAR HYDRAULIC PRESS (DOUBLE CYLINDER)



AUTOMATIC FOUR PILLAR HYDRAULIC PRESS WITH HYDRAULIC CHUCK

C-FRAME HYDRAULIC PRESS



C-FRAME HYDRAULIC PRESS



C-FRAME HYDRAULIC PRESS



C-FRAME HYDRAULIC PRESS

FIX FRAME HYDRAULIC PRESS



DEEP DRAWING HYDRAULIC PRESS



METAL STAMPING HYDRAULIC PRESS



FIX FRAME HYDRAULIC PRESS



FOUR PILLAR HYDRAULIC PRESS
WITH SAFETY GUARDS



FOUR PILLAR HYDRAULIC PRESS
LONG DAYLIGHT



FOUR PILLAR HYDRAULIC PRESS
UP STROKE



HORIZONTAL HYDRAULIC PRESS



HORIZONTAL & VERTICAL HYDRAULIC PRESS
2in1



FIX FRAME HYDRAULIC PRESS
MOTORIZED OPERATED



FIX FRAME HYDRAULIC PRESS



H-FRAME HYDRAULIC PRESS

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MICRO PRODUCTS



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