

# Precision Machines



Drilling & Tapping

## Application or Cycle operated Drilling Machine Series

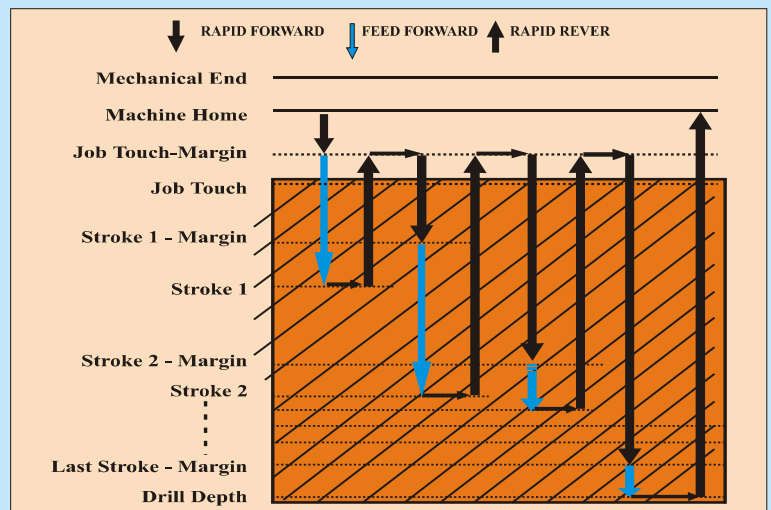
### Special Features

- Rigid construction, Fabricated base with 'T' slotted plate.
- Drilling cycle :  
Rapid forward - feed - dwell - rapid return
- Spindle drive through timer belt.
- Hydraulic or pneumatics spindle feed, infinitely variable within the range.
- 'ASLC' for automation.
- Built-in Coolant System.(Optional)
- Hydraulic Job Clamping (Optional)
- V.F.D. for infinitely variable Spindle speeds within the range (Optional)
- Wood-pecking cycle for deep hole drilling.(Optional)



FB MODEL  
HYDRAULIC DRILLING  
MACHINE

### Wood-pecking Cycle



## HYDRAULIC AUTOMATIC DRILLING MACHINE (for Steel & Harder Material)

Specifications	FBDH-570	BFH-5100	BFDH-6100	BFH-6150	BFDH-7120	BFH-7150	BFH-9150
Max. Drilling capacity	Ø10mm	Ø10mm	Ø12mm	Ø16mm	Ø25mm	Ø25mm	Ø35mm
Spindle Taper	ER20, JT6	JT6	ER25, MT2	MT2	ER32, MT3	MT3, NT30	MT4, NT40
Spindle Travel	70mm	100mm	100mm	150mm	120mm	150mm	150mm
Spindle Speed	6000 rpm	1000.2000	3000 rpm	1000.1500.	3000 rpm	500.1000.	100, 200.
	Max	3000	Max	2000	Max	1500	300
Throat	180mm	180mm	230mm	230mm	230mm	230mm	260mm
Column Diameter	80mm	80mm	102mm	102mm	102mm	102mm	115mm
Daylight	500	500	700	700	700	700	700
Motor HP	1 HP; 2P, 4P	1 HP	1½ HP; 2P, 4P	2HP	2 HP; 2P, 4P	2 HP	3 HP
Table Size	400 x 320	400 x 320	500 x 400	500 x 400	500 x 400	500 x 400	700 x 500

Note :- Highlighted machines are available under standard manufacturing programme & others will be manufactured against order only.

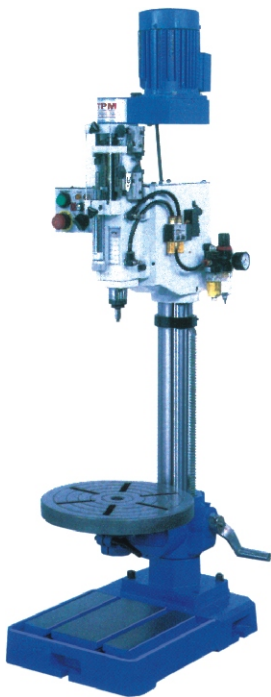
All Machines require Hydraulic pressure 20Kg / cm<sup>2</sup> and flow of 14 Lit. / stroke max.

## PNEUMATIC AUTOMATIC DRILLING MACHINE ( for Aluminium & Softer Materials)

Specifications	FLDP-350	FLP-360	FLDP-570	FB/FLP-5100	FB/FLDP-6100	FBP-6150
Max. Drilling capacity	Ø6mm	Ø6mm	Ø8mm	Ø10mm	Ø12mm	Ø16mm
Spindle Taper	JT2	JT1	JT6	JT6	ER 25, MT2	MT2
Spindle Travel	50 mm	60 mm	70 mm	100 mm	100 mm	150 mm
Stabilizer Travel	25 mm	30 mm	25 mm	60 mm	50/70 mm	60 mm
Spindle Speed	12000 rpm Max	3000.4000 5000	6000 rpm Max	1000.2000 3000	3000 rpm Max	1000.1500. 2000
Throat	180mm	180 mm	180 mm	180 mm	230 mm	230 mm
Column Diameter	80 mm	80 mm	80 mm	80 mm	102 mm	102 mm
Daylight	100-400	100-400	100-400	100-400	100-700	100-700
Motor HP	½ HP	½ HP	1 HP	1 HP	2 HP, 2P, 4P	2 HP
Table Size	Ø320	350 x 550	Ø320	540 x 600	Ø400	600 x 800

Note :- Highlighted machines are available under standard manufacturing programme & others will be manufactured against order only.

Pneumatic Power is 5 Kg /cm<sup>2</sup>, 0.75 Liter / Stroke.



**FL MODEL  
PNEUMATIC DRILLING  
MACHINE**

### Standard Accessories

- Hydraulic/ Pneumatic Systems (whichever is applicable duly interfaced with the mother machine).
- Comprehensive electrical control panels/operting pendant with all safety elements and 'ASLC' for automation duly wired to the basic machine.
- Reputed make main motor duly assembled on the machine with all drive elements.
- Leveling screw arrangement (wherever applicable)
- Operational and maintenance manual.

### Optional Accessories

- Variable frequency Drive for main spindle infinite speed variation.
- Wood-peaking cycle for deep hole drilling.
- Multi-Spindle drill heads with guide bar arrangement, & movable jig-plate.
- Component clamping fixture as per application.
- Tool holders suitable for application.
- Coolant system- complete with necessary splash guards etc.
- Flexible lighting arrangement.
- Machine cladding.
- Centralized lubrication system.
- Anti vibration pads.

#### Note :

These optional accessories which influence the drilling operation are available at extra cost. Wide variety of each accessory is available. The model selection mainly depends upon the application.

Customers are expected to interact with the our design experts from the factory to finalize the above accessories.



Drilling & Tapping

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