



BANSAL MACHINE TOOLS

AN ISO 9001: 2015 CERTIFIED CO.



Manufacturers of:
All Types of Milling Machine & SPM's



www.bansalmachinetools.com



Late S. Avtar Singh Bansal



S. Harpreet Singh Bansal

Company Profile

Bansal Machine Tools (Regd.) is An ISO 9001:2015 Certified Unit. Bansal Machine Tools (Regd.) is a pioneer in the machine tools industries of northern India. It was started under the dynamic leadership of late **S. Avtar Singh Bansal** in the year **1979**.

The unit has been recognized best quality Milling Machines and Special Purpose Machines. The company has vast experience in manufacturing of Milling Machines (Mechanical Feeds, Hydraulic Feeds, and PLC Servo Control Feeds) Rotary Table, Dividing Head etc. Company have sold more than 4000 machines throughout India as well as abroad. Besides our standard machines, we can also manufacturers machines according to customers requirements.

Our company encouraged new ideas of manufacturers to offer a better quality of products.

Our machines are successfully working in Hand Tools, Auto Parts, Machine Tools, Forging and Agriculture Implements.



Two Axis PLC Control Horizontal Milling Machine

FEATURES

- » Rapid traverse on "X" "Y" & "Z" axis
- » Via inverter variable feeding "X" "Y" & "Z" axis
- » All gears & Shafts are hardened & ground
- » Table swivels $\pm 45^\circ$ degrees left & right
- » All "X" "Y" & "Z" wider angle slide ways & table surface are harden & ground
- » Horizontal spindle Motor is 3 H.P. / 5 H.P.
- » All angle slide way & dovetail way are bigger & stronger
- » All gears are harden & ground for Horizontal spindle.
- » Oil lubrication splash bath system for Horizontal
- » All CE elec. which are with overload safety device.
- » $\pm 45^\circ$ degrees Left & Right swivel table.
- » Swivel control panel.

STANDARD ACCESSORIES

- » 1 $\frac{1}{4}$ " or 1" long horizontal ISO-50 milling arbor.
- » Horizontal manual draw-bars.
- » Coolant pump & coolant system
- » Tools box and service tools.

OPTIONAL ACCESSORIES

- » Ball screws for "X", "Y" axis.
- » Auto ways lubrication unit.
- » Chip tray
- » Universal diving head, complete with 3 JAW chuck
- » Horizontal & Vertical rotary table.
- » Hydraulic clamping vise 6" or 8"
- » Power milling vise 6" or 8"
- » Clamping kit.



SPECIFICATIONS OF BMT 2000 / 3000

MODEL		BMT-2000H	BMT-3000H
TABLE	Table area	1320 x 300mm	1520 x 325mm
	Number of T shaped slots	3	3-16H7
	Rotary movement of table in both direction	45°	45°
TRAVERSE	Automatic Longitudinal / cross / vertical	660mm / 250mm / 425mm	760mm / 300mm / 500mm
	Spindle taper	ISO-50	ISO-50
SPINDLE (Horizontal)	Spindle Diameter of the main Shaft	108mm	108mm
	Milling arbor Diameter (")	1 $\frac{1}{4}$ " or 1"	1 $\frac{1}{4}$ " or 1"
	Spindle (R.P.M.) Number of Speeds	6 (55-425) 50HZ	6 (55-425) 50HZ
POWER	V-Belts	2	2
	Main Motor HP	3	5
	Feed Motor HP	2	2
COOLING	Cooling-Pump HP	1/8	1/8
WEIGHT	Maximum Weight on Table	500kg	600kg
	Net Weight	2200kg	2600kg
	Gross Weight with seapacking case	2500kg	2900kg

BANSAL MACHINE TOOLS

Universal Milling Machine No.2



SPECIFICATIONS

MODEL	Bansal (H) 1 No.	Bansal (H) 1½ No.	Bansal (H) 2 No.	Bansal (H) 3 No.
TABLE	MM	MM	MM	MM
Working Surface	1000 x 225	1110 x 275	1320 x 315	1520 x 325
T. Slots No/Size	3 x 14	3 x 14	3 x 16	3 x 16
Swivel	45°	45°	45°	45°
Longitudinal Travel X (Auto)	455	505	650	760
Cross Travel Y Manual	150	200	250	300
Cross Travel Z Vertical	300	360	430	500
SPINDLE				
No. of Spindle Speed	6	6	6	6
Range of Spindle Speed	55-425	55-425	55-425	55-425
Spindle Taper	ISO-40	ISO-40	ISO-50	ISO-50
Arbor Diameter	25.40	25.40	25.40	25.4/31.75
FEED				
No. of Feeds	3	3	3	3
ELECTRICALS EXTRA OPTIONAL				
Main Motor 90 R.P.M.	1 H.P.	2 H.P.	3 H.P.	5 H.P.
Coolant Pump Motor	0.25 H.P.	0.25 H.P.	0.25 H.P.	0.25 H.P.

ACCESSORIES OPTIONAL: » Vertical Attachment Head » Rack Cutting Attachment » Dividing Head » Rotary Table » Milling Machine Vice » Machine Lamp

BANSAL MACHINE TOOLS

Horizontal Milling Machine No.1.5



ATTACHMENTS



Rack Attachment



Dividing Head



Rotary Table



Ram Vertical

SPECIFICATIONS

MODEL	Bansal (H) 1 No.	Bansal (H) 1½ No.	Bansal (H) 2 No.	Bansal (H) 3 No.
TABLE	MM	MM	MM	MM
Working Surface	1000 x 225	1110 x 275	1320 x 315	1520 x 325
T. Slots No/Size	3 x 14	3 x 14	3 x 16	3 x 16
Swivel	45°	45°	45°	45°
Longitudinal Travel X (Auto)	455	505	560	760
Cross Travel Y Manual	150	200	250	300
Cross Travel Z Vertical	300	360	430	500
SPINDLE				
No. of Spindle Speed	6	6	6	6
Range of Spindle Speed	55-425	55-425	55-425	55-425
Spindle Taper	ISO-40	ISO-40	ISO-50	ISO-50
Arbor Diameter	25.40	25.40	25.40	25.4/31.75
FEED				
No. of Feeds	3	3	3	3
ELECTRICALS EXTRA OPTIONAL				
Main Motor 90 R.P.M.	1 H.P.	2 H.P.	3 H.P.	5 H.P.
Coolant Pump Motor	0.25 H.P.	0.25 H.P.	0.25 H.P.	0.25 H.P.

ACCESSORIES OPTIONAL: » Vertical Attachment Head » Rack Cutting Attachment » Dividing Head » Rotary Table » Milling Machine Vice » Machine Lamp

BANSAL MACHINE TOOLS

2 Axis PLC Servo Control Keyway Milling Machine



MODEL : 2000mm
MODEL : 2500mm
MODEL : 3000mm

- » Special Purpose Keyway Milling Machine
- » Two Axis PLC Servo Control Milling Machine
- » Fuji Make PLC Servo Drives and Servo Motors.

BANSAL MACHINE TOOLS



Hydraulic Horizontal Milling Machine with Hydraulic Clamping



Vertical Milling Machine





BANSAL MACHINE TOOLS

📍 2604, Street No. 4, Near A.T.I. Janta Nagar, Gill Road, Ludhiana-141-003.

☎ +91-161-5060358

☎ +91-9915501027

✉ bansalmachinetools@gmail.com

🌐 www.bansalmachinetools.com

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CATALOGUE



YOUTUBE



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LOCATION