



PMT MACHINES LIMITED

About us

PMT Machines Limited is one of the largest machine tool manufacturing company in India, successfully operating for more than 50 years. PMT was started in 1961 as Traub India a subsidiary of Traub Germany. The manufacturing unit was acquired by PMTML in 1979.

The company later absorbed technologies from various German and Swiss machine tool companies like Voumard, Fortuna, Mikrosa, Pittler to manufacture world class Turning and Grinding machines in India. PMT has state-of-the-art manufacturing facilities located at Pimpri, Pune spread over a sprawling area of 47,346 sq. meters. In 2007, PMT acquired Elb India at Halol to manufacture high precision Surface Grinding Machines in India.



Infrastructure –Manufacturing Facility

Horizontal Boring Machine JUARISTI MX7 QTY- 1 No.



Name of the machine	TS5
Table size (Independent Table) 2Nos.	3000 x 2500 mm
X Axis travel	12000 mm
Y Axis travel	1200 mm
Z Axis travel	4000 mm
W Axis travel (Quail)	800 mm
V Axis travel (Table Liner)	2000 mm
C Axis travel Continues (Table Rotary)	360°
Milling Head ACD2	
A Axis travel Milling Head	180° (1° x 1°)
B Axis travel Milling Head	360° (1° x 1°)
Milling Head AK1	
A Axis travel Milling Head	180° Continues
Spindle power	37 KW
Spindle Speed	3000 RPM
Table Wight caring capacity	30 Ton
Automatic accessories changer	4 Stations
Automatic tool changer	100 Tools

Infrastructure – Manufacturing Facility

Horizontal Boring Machine JUARISTI TS5 QTY- 2 Nos.



Name of the machine	TS5
Table size (Independent Table) 2Nos.	2000 x 2500 mm
X Axis travel	6000 mm
Y Axis travel	1200 mm
Z Axis travel	3500 mm
W Axis travel (Quail)	1000 mm
C Axis travel Continues (Table Rotary)	360°
Milling Head ACD2	
A Axis travel Milling Head	180° (1° x 1°)
B Axis travel Milling Head	360° (1° x 1°)
Milling Head AK1	
	180°
A Axis travel Milling Head	Continues
Spindle power	37 KW
Spindle Speed	3000 RPM
Table Wight caring capacity	20 Ton
Automatic Palet changer	2 Stations
Automatic tool changer	100 Tools

Infrastructure – Manufacturing Facility

Horizontal Boring Machine JUARISTI MDR QTY- 1 No.



Description	Values
Machine Name	MDR-150 CF-NC
Manufacturer	Juaristi
Specification	CNC Floor Type Boring Machine Juaristi
Technical details :	
Rotary table Skoda	2000 x 2000 mm
X Axis Travel	3000 mm
Y Axis Travel	2500 mm
Z Travel	2100 mm
W Axis Travel	1000 mm
WORKING SPINDLE / HEAD	
spindle type horizontal	
1) spindle revolutions (min)	4 /min
2) spindle revolutions (max)	1000/min, number of gears
3) spindle diameter	150 mm
4) taper fixture	ISO SK 50
5) drive power (max)	52 kW

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5-AXES MACHINING DMU 200P (Deckle Maho. Make) – 2 Nos.



Description	DMG 200P
Table Size	1600x1400
X AXIS TRAVEL	1800 mm.
Y AXIS TRAVEL	2000 mm.
Z AXIS TRAVEL	1100 mm.
MAX.TOOL WEIGHT	20KG
TOOL MAGAZINE CAPACITY	60 Tools.
CONTROL SYSTEM	Siemens 840D power line
TABLE INDEXING	Rotary axis 0.001 deg.
COOLENT	Through coolant
SPINDLE POWER	32 KW
SPINDLE TAPER	SK50
TABLE WEIGHT CAPACITY	5000 kg
POSITIONING ACCURACY	0.01MM

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5-AXES MACHINING DMU 100U & 125 (Deckle Maho. Make) – 2 Nos.



Description	DMG 125
Table Size	1000 mm. x 800 mm.
X AXIS TRAVEL	1250 mm.
Y AXIS TRAVEL	880 mm.
Z AXIS TRAVEL	800 mm.
MAX.TOOL WEIGHT	20 kg.
TOOL MAGAZINE CAPACITY	Horizontal, 60 Tools
CONTROL SYSTEM	Siemens 840D powerline
TABLE INDEXING	Rotary axis 0.01 deg.
COOLENT	Through coolant
SPINDLE POWER	28 KW

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CNC 5 Axis Plano Milling Machine : ZAYER : KP 5000AR



Description	ZAYER : KP 5000AR
Table Size	5000X1800
Distance Between Column	3070 mm
X Axis Travel	4706 mm
Y Axis Travel	3329 mm
Z Axis Travel	1100 mm
B Axis Travel	360°
C Axis Travel	360°
Rapid Traverse	15 m/min
Feed	6-15000 mm/min
Tool Magazine Capacity	N/A
Spindle Power / RPM	37 KW
Spindle RPM	35-6000 rpm
Machine Control	HEIDENHEIN 430
Max Distance Between table and top spindle	1570 mm
Max wt on Table	10000 Kg

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CNC 5 Axis Plano Milling Machine : ZAYER : KPC 5000AR



Description	ZAYER : KPC 5000AR
Table Size	5000X2500
Distance Between Column	3020mm
X Axis Travel	5000 mm
Y Axis Travel	3789 mm
Z Axis Travel	1098 mm
B Axis Travel	360°
C Axis Travel	360°
Feed	6-15000 mm/min
Rapid Traverse	25 m/min
Tool Magazine Capacity	N/A
Spindle Power / RPM	37 KW
Spindle RPM	35-6000 rpm
Machine Control	HEIDENHEI N iTNC 530
Max Distance Between table and top spindle	1229 mm
Max wt on Table	10000 Kg

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CNC Plano Milling Machine : NICHOLAS KOREA : FP 30



Description	FP 30
Table Size	4000X1250
Distance Between Column	2000 mm
X Axis Travel	3500 mm
Y Axis Travel	2000 mm
Z Axis Travel	800 mm
B Axis Travel	360°-manual
C Axis Travel	360°-manual
Rapid Traverse	- m/min
Feed	- mm/min
Tool Magazine Capacity	-
Spindle Power / RPM	30 KW
Spindle RPM	35-5000rpm
Machine Control	FAGOR 8050M
Max Distance Between table and top spindle	1330 mm
Max wt on Table	-

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Horizontal Milling Machine: Nicolas Correa: VH PLUS – H – 3000-MG -10



Description	VH PLUS – H -3000
Table Size	1600 x 1200 mm
X Axis Travel	3000 mm
Y Axis Travel	1500 mm
Z Axis Travel	2000 mm
B Axis Travel	360°
C Axis Travel	360°
Feed	0-10000 mm/min
Rapid Traverse	20 m/min
Tool Magazine Capacity	40
Spindle Power / RPM	30 KW
Spindle RPM	6000 rpm
Machine Control	Siemens
Max wt on Table	13000 Kg

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CNC VERTICAL LATHE: VCC60 (PMT MAKE) – Qty. 03 Nos.



Description	VC-75
Max. Swing Diameter	Ø3000
Max. Turning Height	1600
X Axis Horizontal Travels.	1000
Z Axis Vertical traverse	1500
X Axis Rapid Rate	10000 mm/min
Z Axis Rapid Rate	10000 mm/min
Table Speed	0-150 rpm
Table Diameter	Ø2000
Table Power	25/4.85 Nm/kw.
Machine Control	Siemens
Max Weight Capacity	6000 Kg.

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CNC VERTICAL LATHE: CNC VERTICAL LATHE : FEMCO VL 12 -02- Nos.



Description	VL 18
Max Swing Diameter	2400 mm
Max Turning Height	1250 mm
X Axis Horizontal Traverse	1300 mm
Z Axis Vertical traverse	400-1250 mm
X Axis Rapid Traverse	10 m/min
Z Axis Rapid Traverse	10 m/min
Table Speed	2.8 to 280 rpm Step less
Table Diameter	1550 mm
Table Power	37 KW
Max No. of Tool Holders	8
Machine Control	Siemens
Max wt on Table	10000 Kg

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CNC HORIZONTAL LATHE: SUPERCUT 25 (PMT MAKE) – Qty. 03 Nos.



Description	Super Cut -25
Chuck Size	Ø1000
Turning Between Center	8350 mm.
Max Turning diameter	Ø1800
Spindle nose	A2-11
X-Axis Strock	800
Z-Axis Strock	8350 mm.
Max Weight Capacity	30 T.
Positioning Accuracies	0.020 mm.
Grinding device on square turret size	
25 NG32 Grinding wheel capacity	
dia.350 x 40	
Motor power 3 KW	
Grinding wheel flange and	
balancing shaft Diamond holder	
Cooling installation	

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CNC HORIZONTAL LATHE: Geminis GHT 5 G4 – 1000 x 4000 (Geminis MAKE)



Description	Geminis GHT 5 G4 – 1000 x 4000
Model	GHT5 G4 -1000 X 4 m ,with SIEMENS 840 D numerical control Independent 4 - jaw separate chuck 800 diameter. Maximum speed 680 rpm
Self-centering hydraulic steady SMW SLU5.1	Capacity 85-350 mm
C axis with transmission from main motor	Head stock with 4 speed range Main spindle intrpolation with X,Y axis Maximum revolution 10 rpm. Positioning accuracy +/- 60"
Milling device on 4-station manual or automatic turret size	25 NG 32 with "Yaxis" +50-25 mm 2 manual speed change range
Closed fixed steady constructed in two halves	Capacity 300-700 mm Admissible weight 2500Kg.
Grinding attachment	Grinding device on square turret size 25 NG32 Grinding wheel capacity dia.350 x 40 Motor power 3 KW Grinding wheel flange and balancing shaft Dimond holder Cooling installation
Support for boring bar on vertical or manual square turret size 25 for 4 positions	Inner diameter 120 mm Length of front support of boring tool 250mm Rear anti overturn support
Rotary center Metric	80-60 deg.

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CNC HORIZONTAL LATHE: Model SUPERCUT 20 (PMT Make) - (2500 abc)



Sr #	Description	Values
1	Spindle Nose	A2-15
2	Chuck Size	1000 mm
3	Admit between centre	2500 abc
4	Power	35/58 kw

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CNC HORIZONTAL LATHE: Model SUPERCUT 12 - (1200 abc)-PMT Make - 4 Nos.



Sr #	Description	Values
1	Spindle Nose	A2-15
2	Chuck Size	300 mm
3	Admit between centre	1200 abc
4	Power	11/15 kw

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CNC HORIZONTAL LATHE: Model SUPERCUT 14 - (1500 abc)-PMT Make - 3 Nos.



Sr #	Description	Values
1	Spindle Nose	A2-11
2	Chuck Size	450 mm
3	Admit between centre	1500 abc
4	Power	18.5/22 kw

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Co-Ordinate Measuring Machine Specification (Zeiss-Make)



Description	PRISMO NAVIGATOR 14 S-ACC
Measuring Range	X-Axis 1600mm Y-Axis 2400mm Z-axis 1300mm Length Measuring Uncertainty as per ISO-10360-2
Length Measuring error as per ISO 10360-2	MPE_E = (3.0+L/300)um MPE_P MEPE_THP 3.8 mm in 29 s
Measuring temp. Range	18-22 Deg. Centigrade
Construction of machine	Open Bridge Design with Stationary Machine table
Height of table	640mm
Temperature compensation of work piece	Through active temperature probe head RST/VAST
Scanning control	PC base
Control Panel	Two joysticks
Calibration sphere dia.	30 mm
Probing System	Vast Gold with active Scanning with High Resolution inductive system. RDS indexing probe holder +/-180 Deg. With 2.5 deg increments.
Software for measurement	CALYPSO CNC Software CC Curve Software
Probe system Accessories	
Rack system details	Multi sensor rack ,Range X-1600mm
Probe sockets	MT/VAST ,RDS
Porbe kit	M5,MT/VAST for large work pieces, 34pcs. M3 VAST XXT,24 pcs.

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Co-Ordinate Measuring Machine Specification (Zeiss-Make)



Description	MMZ G 30 40 25
X Axis	3000 mm
Y Axis	4000 mm
Z Axis	2500 mm
Measuring Temperature Range	22 +/- 2 Degree Centigrade
Software for measurement	CALYPSO CNC Software CC Curve Software/ CATIA Interface
Probing System	
Vast Gold with active Scanning with High	
Vast Gold with active Scanning with High	
Rack system details	Multi sensor rack ,Range X-1600mm
Max Permissible Error	$3.7 + L/400$ Z <14 μ m



Thank you...



PMT MACHINES LIMITED

Head office & Works: P.O. Box No. 1102, Behind PCMC Building, Mumbai Pune Road Pimpri
Pune - 411018, Maharashtra India .

Tel: +91-99600 55233, +91 - 86000 02655 | Email: rd@pmtmachines.com | marketing@pmtmachines.com