



# NEW PUNJAB MECH. WORKS

AN ISO 9001:2008 CERTIFIED CO.



**PRECISION-ACCURATE-STURDY-DURABLE  
HEAVY DUTY LATHES & PLANO MILLERS**



## Company Profile

ESTABLISHED in the year 1960, we, NEW PUNJAB MECH. WORKS, are amongst the leading manufacturers of All type of Lathe machines and Planner machines. Having pioneered in the Lathe machine industry under the brand name 'PMW', we have gained immense popularity in the market over the years. We constantly strive towards providing the best quality machines that are accurate and efficient in their function. As a result of this, we have developed a vast client base in the industry which is continuously growing with every passing year.

Owing to our state-of-the-art manufacturing unit, we have been able to design & fabricate an exclusive range of lathe machines. The unit is facilitated with all the modern equipment and technology necessary for the production of these machines. We depend on our team of well-trained and experienced professionals for precision designed and uniformly structured products. Our sales & marketing division has effectively marketed our product range in India, as well as in the international market and facilitate our clients with hassle free delivery services.

Our organization owes its unmatched growth rate and success over the years to its mentor, **Mr. Jaswinder Singh Nagi**. His vast experience and rich acumen in the domain have helped us surpass our competitors by leaps and bounds in capturing the domestic and the international markets.

We have installed CNC turning Lathes, Hydraulic Planners, imported boring, Milling, Gear Shaper, Kirloskar lathes etc. in our works and have our own graded casting. Our all machine parts are standardised and inter changeable. So all our customer are fully satisfied with our product as well as our dealing.

# INFRASTRUCTURE OF NEW PUNJAB MECHANICAL WORKS



**TURNING SHOP**



**HYDRAULIC PLANNER MACHINE**



**CNC LATHES**



**PLANNING SECTION**



**GEAR SHAPER**



**FITTING SECTION**

### Standard Accessories :

Steady Rest, Follow Rest, M.T. Center, Tray Coupling for Chuck, Face Plate, Change Gear Set, Motor Pulley.

### Accessories At Extra Price :

Chucks, Electricals, Telescopic Taper Turning Attachment, Revolving Center, Machine Lamp & Coolant Pump etc.

### Special Features

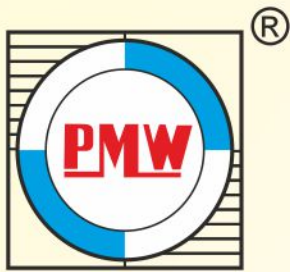
1. Casting conforming to I.S. 210 having close grain structure free from foundry defect.
2. Working accuracy as per I.S. 1878 i.e. standard norms.
3. High metal removing capacity.
4. Selected materials used in construction for screw, shafts and gears.
6. Gears generated on imported precision machines & Hradened.
7. Head stock gears are of SG iron casting
8. Gun metal bushes are fitted in drum pulley etc.



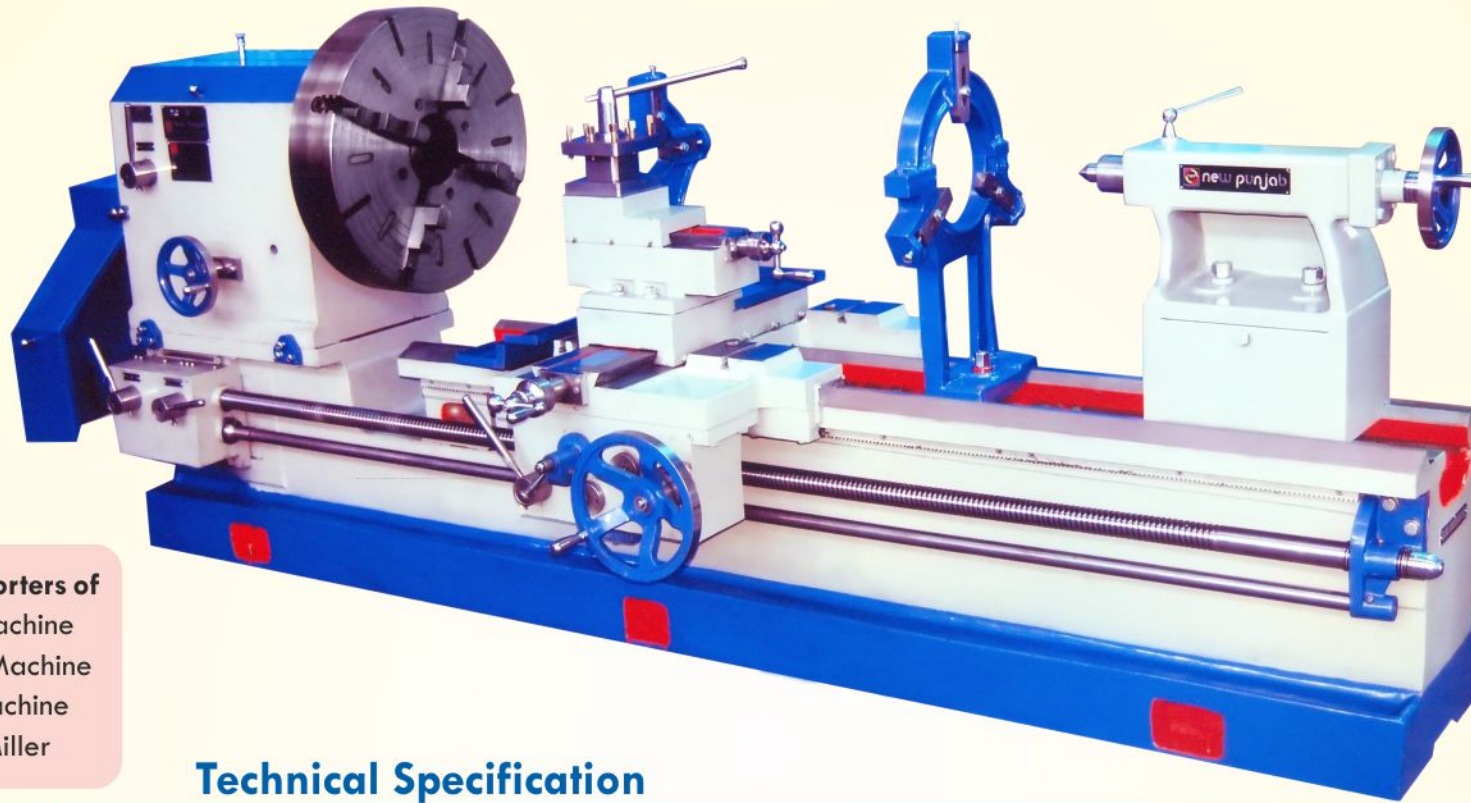
PMW-400

## Technical Specification

MODELS	PMW-210		PMW-260		PMW-305				PMW-400				PMW-460				PMW-510					
	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm				
Lenth of Bed	4½	1370	5	1525	7	2135	10¼	3150	8¼	2515	12¼	3735	8¼	2515	12	3700	16	4905				
	6	1825	6½	1980	8¾	2665	12	3660	10¼	3125	16¼	4955	10'2"	3100			20"	6200				
Dimensions	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm				
With of Bed	11	280	13	330	15	380	15	380	18	460	18	460	21	535	21	535	21	535				
Centre Height	9	230	10½	265	12	305	12	305	16	405	16	405	18	460	18	460	20	510				
Spindle Bore	1¾	45	2	50	2⅝	65	2⅝	65	3⅜	85	3⅜	85	4⅛	105	4⅛	105	4⅛	105				
Admit between centre	22	560	22	550	40	1000	80	2000	47	1200	95	2400	38	965	85	2150	132	3350				
	34	865	40	1000	60	1500	100	2500	71	1800	143	3625	60	1500			184	4675				
Swing over Bed	18	460	21	535	24	610	24	600	32	815	32	815	36	915	36	915	40	1000				
Swing over Cross	10	255	12	305	14½	370	14½	370	20	510	20	500	24	610	24	610	26	660				
Gap distance	7	180	8	205	8½	215	8½	215	13½	345	13½	345	19	485	19	485	19	485				
Gap Depth from Centre	11½	290	14	355	18	460	18	460	23	585	23	585	27	685	27	685	29	735				
Swing in Gap	23	585	28	710	36	915	36	915	46	1170	46	1170	54	1370	54	1370	58	1475				
Dia of Lead Screw	1½	38	1½	38	1¾	45	1¾	45	2	50	2	50	2¼	60	2¼	60	2½	65				
H.P. Required	1		2		3				3				5				5				7.5	



ESTD-1960



**Manufacturers & Exporters of**

- » Heavy Duty Lathe Machine
- » Medium Duty Lathe Machine
- » All Geared Lathe Machine
- » Planner Cum Plano Miller

**Technical Specification**

MODEL	PMW-550				PMW-600					
	ft	mm	ft	mm	ft	mm	ft	mm	ft	mm
Dimensions										
Lenth of Bed	12'	3600	20'	6000	12'	3600	20'	6000	30'	9000
	16'	4800	24'	7300	16'	4800	24'	7300		
Dimensions	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
With of Bed	24	600	24	600	26	660	26	660	26	660
Centre Height	21	525	21	525	24	600	24	600	24	600
Spindle Bore	5	125	5	125	5	125	5	125	5	125
Swing over Bed	42	1050	42	1050	48	1200	48	1200	48	1200
Admit between centre	78	1950	174	4350	72	1800	166	4150	284	7100
	126	3150	222	5550	120	3000	214	5350		
Swing over Cross Slide	28	710	28	710	34	860	34	860	34	860
Swing in Gap	64	1600	64	1600	70	1775	70	1775	70	1775
Depth in Gap	11	275	11	275	11	275	11	275	11	275
Gap distance from couplene	9	275	9	275	9	275	9	275	9	275
Dia of Lead Screw	2.5	65	2.5	65	2.5	65	2.5	65	2.5	65
H.P. Required	7.5				10					

**Standard Accessories :**

Steady Rest, Follow Rest, M.T. Center, Tray Coupling for Chuck, Face Plate, Change Gear Set, Motor Pulley etc.

**Accessories At Extra Price :**

Chucks, Electricals, Telescopic Taper Turning Attachment, Revolving Center, Machine Lamp, Coolant Pump & Front Tray etc.

**NEW PUNJAB MECHANICAL WORKS**

G.T. ROAD, **BATALA-143 505 (PB.)**

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# ALL GEARED LATHE MACHINE

## CONSTRUCTION

**Head Stock** : is design to take heavy cuts on add and irregular jobs. The induction hardened gears run in oil bath. Spindle of special steel run on preloaded anti-friction bearings. All Shaft supported on bearings on both ends-shifting of gears through levers is easy and positive. Gears are made out of high tensile steel.

**Saddle Unit** : has wide sliding surfaces finished to fine limits with graving. All screws are accurate having graduation sleeves for taking measured cut. The apron has unique feed mechanism operateable with finger touch.

**Quick Change** : is capable of cutting English and metric threads without any extra change gear.

**Threaded Box** : For worm cutting in D.P., two change gear are provided extra.

**Tail Stock** : is having ample size quill, super finish and lapped in bore, can be clamped with lever provided.



PMW-300A

## Technical Specification

MODELS	PMW-300 A				PMW-400 A			
	ft	mm	ft	mm	ft	mm	ft	mm
Dimensions								
Length of Bed	7'	2135	10-1/2'	3200	10 1/2'	3050	16'	4850
	8 3/4'	2665	12 1/4'	3750	12 1/2'	3650		
Dimensions	inch	mm	inch	mm	inch	mm	inch	mm
Width of Bed	15	380	15	380	18	470	18	470
Center Height	12	305	12	305	16	400	16	400
Spindle Bore	2 5/8	65	2 5/8	65	3 1/8	80	3 1/8	80
Swing over Bed	24	610	24	610	32	800	32	800
Admit Between Centre	40	1000	80	2000	71	1800	130	3300
	60	1500	100	2500	95	2400		
Swing in Gap	35	890	35	890	48	1220	48	1220
Tail Stock Quill Dia	2 3/8	60	2 3/8	60	3	75	3	75
No. of Spindle Speeds	9		9		9		9	
Range of Spindle Speeds	25-700		25-700		25-575		25-575	
H.P. Required	5		5		7.5		7.5	

### Standard Accessories :

Electric Motor, Control Panel, Steady Rest, Follow Rest, Face Plate, Coupling for Chuck, Dead Center and Chip Tray, Tool Kit, Machine Lamp, Splash Guard etc.

### Accessories At Extra Price :

Chucks, Electricals, Telescopic Taper Turning Attachment, Revolving Center, Coolant Pump, Rapid Travel of Saddle with Motor.

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# PLANNER CUM PLANO MILLER

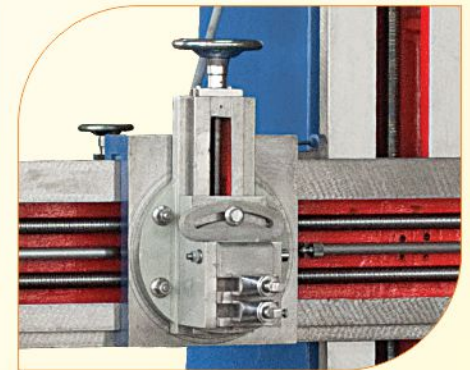


## Technical Specification

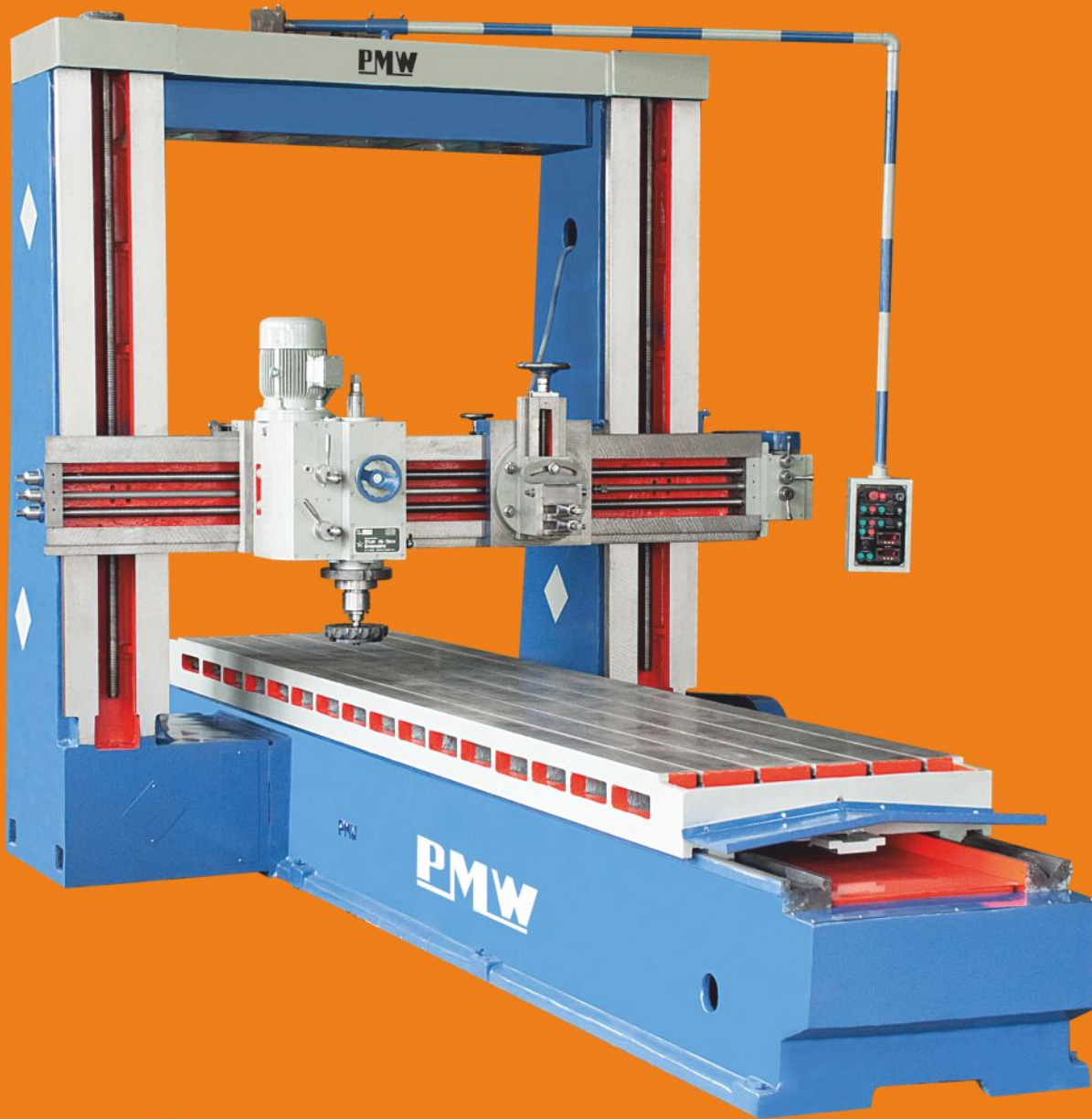
MODEL	Length of Stroke	Column Width	Height under Cross	Width of Table	Main Motor (HP)	Milling Head (HP)
PMW-80	8'x4'x4'	48"	48"	36"	5	5
	8'x5'x5'	60"	60"	42"	5	5
	8'x6'x6'	72"	72"	48"	7.5	5
PMW-100	10'x4'x4'	48"	48"	36"	5	5
	10'x5'x5'	60"	60"	42"	5	5
	10'x6'x6'	72"	72"	48"	7.5	5
PMW-120	12'x4'x4'	48"	48"	36"	5	5
	12'x5'x5'	60"	60"	42"	5	5
	12'x6'x6'	72"	72"	48"	7.5	7.5
PMW-160	16'x4'x4'	48"	48"	36"	5	5
	16'x5'x5'	60"	60"	42"	7.5	7.5
	16'x6'x6'	72"	72"	48"	7.5	7.5
PMW-200	20'x4'x4'	48"	48"	36"	7.5	7.5
	20'x5'x5'	60"	60"	42"	7.5	7.5
	20'x6'x6'	72"	72"	48"	10	7.5



Milling Head



Heavy Duty Tool Post



## SPECIAL FEATURES OF THE PLANO MILLER

**Casting & Design** : We have our own cupola. So the casting of the main Bed, Table, Cross, Slide and Pillars are very heavy duty and the casting of Grade-20 is used. So it give long life and smooth working, especially the pillars and cross slide are extra heavy duty so that it can take heavy cut when the milling head working. The total outlook of our Plano Miller is very compact, excellent and well designed just like imported Plano Miller.

**Gears** : The gears of the main gear box, Cross slide gear box, Milling head and auto lifting gear box are used from EN-353/24 only and after induction hardening were teeth grinding on imported teeth grinding machines. The main Gear box of the bed and Rack of the table are from S.G. Iron Grade 500/12 and the life of these gears and rack are for the whole life.

**Lubrication** : The Plano Miller is fitted with auto lubrication i.e. 6 points in the main bed 'v's, Cross Slide filled with and the other parts where it require the oil regularly circulated by auto lubrication pump.

**Milling Head:** The Milling Head of PMW Plano Miller is very successful in working and the design is also very attractive & compact one. The total body fabricated of body is from tested steel material. The worm gears, helical gears and gears are from En-353/24 Material only and fitted after hardening and teeth grinding.

**Panel Board** : The Panel Board is well designed and compact fitted with Push Bottom, Contactors, Relay etc. of Siemens make A/c Drive system fitted to control the various speeds of the table, cross slide, auto lifting, Milling head etc. Various speeds of the electric motor can be controlled through a beautiful hanging electric pendulum by the operator easily of the whole Plano Miller.



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