

# Experience Precision Excellence



# Product Catalogue



SHITAL MACHINE TOOLS was Founded in the year 1983, We are one of the leading manufacturers and dealers of workshop, sheet metal, wood working as well as special purpose machines with more than 37 glorious years of experience, weare well established in Mumbai and Gujarat. We also have a plant situated in Rajkot and two sister concern companies located in the outskirts of Mumbai.

## Overview

Rajkot

SHITAL MACHINE TOOLS is transforming its way in the new era of engineering industry. We started out with the objective of providing each customer with quality products with affordable prices and we take this opportunity to thank our esteemed customers, whose continued confidence in our products inspires us to extend the best of services and enables us to provide value for their money.

The company's motto is to reach all our valuable customers in all parts of the country, so that they can get our products at the best reasonable price and for this the company is in plan to explore new opportunities without compromising on our quality and customer satisfaction. The core strength of our company lies in our values for which the customers are and always will be our prime focus, whatever we do & whatever we aspire for the value addition of our customers....their satisfaction is our benefit.

One thing that gives us an extra edge is in realising in what the customer actually requires and then providing them the machine which help them achieve their desired goals, which also has been the reason for our Brand Goodwill over the years.

Our Employees and Suppliers are one of the main pillars and they have always given their best.

Goregaon

I therefore, seek continued support of our loyal customers, dedication of employees and thank our well wishers who have contributed to the growth of the organisation

Vasai

Sativali

## **Providing Engineering Solutions Since 1983**



# **Light Duty Lathe**

## **V-Delt Drive**

## **Super Model**

## Suitable for High Accuracy related jobs

Latest Design Head Stock

High Tensile Casting

Tildi,

DOX

## Hardened & Ground Bed & Spindle

Admit Between Centers

ARC

600mm

875mm

1050mm

Length

4.6"

5.3"

6.0"

## **Standard Accessories :**

- Chuck Plate
  Gear Set
  Centre Adaptor
  Dead Centres
  Dial Indicator
  Square Tool Post
- Tool Post Key

## **Optional Accessories :**

Steady Rest
Follow Rest
Face Plate
Electrical Fitting
True Chuck & Dog Chuck
Quick Change Tool Post
Tapper Turning Attachment

	.00-	
Models	SL-LD1	SL-LD2
Height Of Centre (mm)	165	175
Width of Bed (mm)	238	238
Max Swing over bed (mm)	330	350
Max Swing over Slide (mm)	180	200
Spindle Bore (mm)	40	40
Spindle Nose	8 TPI	8 TPI
Spindle Speed 8 (R.P.M)	30-825	30-825
Cross Slide Travel (mm)	225	225
Lead Screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-3	MT-3
Power Required (H.P.)	1	1



SHITAL SINCE 1983

# **Light Duty Lathe**

## **Standard Model**

## **V-Delt Drive**

Available in Colors (Green & Blue)

Latest Design Head Stock

High Tensile Casting

#### Hardened & Ground Bed & Spindle

## **Standard Accessories :**



# Admit Between Centers Length ABC 4.6" 600mm 5.3" 875mm 6.0" 1050mm

ALL COL

## **Optional Accessories :**



	Models	SL-LD1	SL-LD2
	Height Of Centre (mm)	165	175
enters BC	Width of Bed (mm)	238	238
Omm 5mm	Max Swing over bed (mm)	330	350
0mm	Max Swing over Slide (mm)	180	200
	Spindle Bore (mm)	40	40
	Spindle Nose	8 TPI	8 TPI
	Spindle Speed 8 (R.P.M)	30-825	30-825
	Cross Slide Travel (mm)	225	225
	Lead Screw TPI	4 TPI	4 TPI
	Tail Stock Sleeve	MT-3	MT-3
	Power Required (H.P.)	1	1
	B		170





# **Medium Duty Lathe**

## **V-Delt Drive**

## Super Model

**Admit Between Centers** 

ARC

650mm

875mm

1050mm

Length

4.6"

5.3"

6.0"

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Juitable	tor	Fign	Accuracy	related	ODS

Latest Design Head Stock

High Tensile Casting

Hardened & Ground Bed & Spindle

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Standard	Accessories	
Jianuaru	ACCC33011C3	

- Chuck Plate Gear Set Centre Adaptor Dead Centres Dial Indicator Square Tool Post
- Tool Post Key

## **Optional Accessories :**

Steady Rest
Follow Rest
Face Plate
Electrical Fitting
True Chuck & Dog Chuck
Quick Change Tool Post
Tapper Turning Attachment

	.00	
Models	SL-MD1	SL-MHD1
Height Of Centre (mm)	212	250
Width of Bed (mm)	280	280
Max Swing over bed (mm)	410	490
Max Swing over Slide (mm)	240	320
Spindle Bore (mm)	52	80
Spindle Nose	6 TPI	6 TPI
Spindle Speed 8 (R.P.M)	40-550	40-550
Cross Slide Travel (mm)	240	240
Lead Screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4
Power Required (H.P.)	2	2
	0	





## **Medium Duty Lathe**

**Standard Model** 

**V-Delt Drive** 

Admit Bety	ween Centers
Length	ABC
4.6"	650mm
5.3"	875mm
6.0"	1050mm

Available in Colors (Green & Blue)

Latest Design Head Stock

**High Tensile Casting** 

Hardened & Ground Bed & Spindle

## Standard Accessories :

- Chuck Plate Gear Set **Centre Adaptor Dead Centres Dial Indicator** Square Tool Post Tool Post Key

## **Optional Accessories :**

**Steady Rest Follow Rest** Face Plate **Electrical Fitting** True Chuck & Dog Chuck Quick Change Tool Post Tapper Turning Attachment

Models	SL-MD1	SL-MHD1
Height Of Centre (mm)	212	250
Width of Bed (mm)	280	280
Max Swing over bed (mm)	410	490
Max Swing over Slide (mm)	240	320
Spindle Bore (mm)	52	80
Spindle Nose	6 TPI	6 TPI
Spindle Speed 8 (R.P.M)	40-550	40-550
Cross Slide Travel (mm)	240	240
Lead Screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4
Power Required (H.P.)	2	2

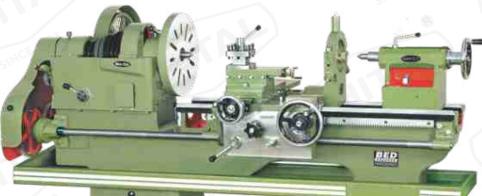




# **Heavy Duty Lathe**

## **V-Delt Drive**

## **Standard Model**



## Latest Design Head Stock

**High Tensile Casting** 

Models

Hardened & Ground Bed & Spindle

MAX

#### **Standard Accessories :**

SL-HD4



SL-HD3

#### **Optional Accessories :**

Steady Rest Follow Rest Face Plate Electrical Fitting True Chuck & Dog Chuck Quick Change Tool Post Tapper Turning Attachment

## **Admit Between Centers**

Size	Max	SL-HD1	SL-HD2	SL-HD3	SL-HD4
5.5'	560	560	560	560	
7'	1000	1000	1000	1000	800
9'	1600	1600	1600	1600	1400
10'	1900	1900	1900	1900	1700
12'	2500	2500	2500	2500	2300
14'	3100	3100	3100	3100	2900
16'	3700	3700	3700	3700	3500
18'	4300	4300	4300	4300	4100
20'			4900	4900	4700
22'			5500	5500	5300
24'			6100	6100	5900

INICUEIS	IVICOL		OL-HDZ	OL-HD3	
Height Of Centre (mm)	250	300	300	375	450
Width of Bed (mm)	325	325	375	375	450
Max Swing over bed (mm)	500	600	600	750	900
Max Swing over Slide (mm)	300	400	400	550	700
Max Swing in Gap	775	900	900	1050	1200
Spindle Bore (mm)	52	80	80	80	100
Spindle Nose	6 TPI	6 TPI	6 TPI	6 TPI	6 TPI
Spindle Speed 8 (R.P.M)			30-475		
Cross Slide Travel (mm)	270	335	335	380	460
Top Slide	150	150	150	150	175
Lead Screw TPI	4TPI	4 TPI	4 TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4	MT-4
Power Required (H.P.)	3	3	3	5	5

SL-HD1

SL-HD2

## **Heavy Duty Lathe**

## Super Model



## V-Delt Drive

# Suitable for High Accuracy related jobs

#### Latest Design Head Stock

**High Tensile Casting** 

#### Hardened & Ground Bed & Spindle

#### Standard Accessories :

- Chuck Plate
- Gear Set
- Centre Adaptor
- Dead Centres
- Square Tool Post
- Tool Post Key

#### **Optional Accessories :**

- Steady Rest
- Follow Rest
- Face Plate
   Electrical Fitting
- True Chuck & Dog Chuck
- Quick Change Tool Post
- Tapper Turning Attachment

## **Admit Between Centers**

1	Size	Super Model	SL-HD1	SL-HD2	SL-HD3
	Size	Super Model	SL-HUT	SL-HDZ	SL-HD3
	5.5'	560	560	560	560
	7'	1000	1000	1000	1000
	9'	1600	1600	1600	1600
	10'	1900	1900	1900	1900
	12'	2500	2500	2500	2500
	14'	3100	3100	3100	3100
1	16'	3700	3700	3700	3700
	18'	4300	4300	4300	4300
	20'				4900
	22'				5500
	24'				6100

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Models	Super Model	SL-HD1	SL-HD2	SL-HD3
Height Of Centre (mm)	240	300	300	375
Width of Bed (mm)	325	325	375	375
Max Swing over bed (mm)	480	600	600	750
Max Swing over Slide (mm)	280	400	400	550
Max Swing in Gap	780	900	900	1050
Spindle Bore (mm)	52	80	80	80
Spindle Nose	6 TPI	6 TPI	6 TPI	6 TPI
Spindle Speed 8 (R.P.M)		30-0	600	1
Cross Slide Travel (mm)	270	335	335	380
Top Slide	150	150	150	150
Lead Screw TPI	4TPI	4 TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-4	MT-4	MT-4	MT-4
Power Required (H.P.)	3	3	3	5





# **Extra Heavy Duty Lathe**

## **V-Delt Drive**



#### Latest Design Head Stock

**High Tensile Casting** 

Models

## Hardened & Ground Bed & Spindle

SL-EHD1

#### **Standard Accessories :**

SL-EHD4



SL-EHD3

#### **Optional Accessories :**

- **Steady Rest** Follow Rest Face Plate
- **Electrical Fitting**
- True Chuck & Dog Chuck
- Quick Change Tool Post
- Tapper Turning Attachment

Height Of Centre (mm)	500	550	600	750
Width of Bed (mm)	500	550	600	750
Max Swing over bed (mm)	1000	1100	1200	1500
Max Swing over Slide (mm)	700	800	900	1200
Max Swing in Gap	1280	1360	1450	1750
Spindle Bore (mm)	100	100	125	125
Spindle Nose	6 TPI	6 TPI	6 TPI	6 TPI
Spindle Speed 8 (R.P.M)	30-250	30-250	30-250	10-150
Cross Slide Travel (mm)	500	500	500	500
Top Slide	250	250	250	250
Lead Screw TPI	2 TPI	2 TPI	2 TPI	2 TPI
Tail Stock Sleeve	MT-5	MT-5	MT-5	MT-5
Power Required (H.P.)	7.5	7.5	10	10
			2	

SL-EHD2

## **Admit Between Centers**

Size	CD-4	CD-5	CD-6	CD-7
9"	1400	1400	1350	1250
10"	1700	1700	1650	1550
12"	2300	2300	2300	2250
14"	2900	2900	2850	2750
16"	3500	3500	3450	3350
18"	4100	4100	4050	3950
20"	4700	4700	4650	4550
22"	5300	5300	5250	5150
24"	5900	5900	5950	5950
30"	6500	6500	6500	6500



# **Providing Engineering Solutions Since 1983 Light Duty All Geared Lathe**

750

## **Standard Model**



**Gear Box with Lead Screw** & Feed Shaft Separate

#### Bad Length ABC 4.5" 600mm 5" 750mm

**High Quality Machines** as per ISO standards

SHITAL

**SINCE 1983** 

PRH-170 170 240
240
2.0
0.40
340
180
40
Loo Type
60 to 1025
175
4 TPI
MT-3
2
125
50/125

## Hardened & Ground Bed & Spindle

**High Tensile Casting** 

6"

## Latest Design Head Stock

## **All Geared Lathe**

Models	PRH-170	PRH-200
Height Of Centre (mm)	175	200
Width of Bed (mm)	240	280
Max Swing over bed (mm)	340	400
Max Swing over Slide (mm)	180	240
Spindle Bore (mm)	40	51
Spindle Nose	Loo Type	Loo Туре
Spindle Speed 8 (R.P.M)	60 to 1025	48 to 1535
Cross Slide Travel (mm)	175	210
Lead Screw TPI	4 TPI	4 TPI
Tail Stock Sleeve	MT-3	MT-3
Power Required (H.P.)	2	2
Top Slide (mm)	125	125
Quil Dia / Travel	50/125	50/125
	-	







# **All Geared Lathe Machine**

High Quality Machines as per ISO standards



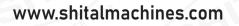
Models	SL-BGM1	SL-BGM2	SL-BGM3	SL-BGM4	SL-BGM5	SL-BGM6
Height Of Centre (mm)	215	250	215	250	215	250
Width of Bed (mm)	280	280	280	280	280	280
Max Swing over bed (mm)	425	490	425	490	425	490
Max Swing over Slide (mm)	250	320	250	320	250	320
Max Swing in Gap	600	660	600	660	600	660
Admit Between Center (mm)	550	550	750	750	1000	1000
MAIN SPINDLE						
Spindle Bore (mm)	50	50	50	50	50	50
Type Spindle Nose	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4	Threaded/A2-4
Spindle Speed 8 (R.P.M)	54-1200	54-1200	54-1200	54-200	54-200	54-200
FEEDS/THREADS						
No of Feeds	32	32	32	32	32	32
Longitudinal Feeds (mm/rev)	0.4-1	0.4/1	0.4/1	0.4/1	0.4/1	0.4/1
Transverse Feeds (mm/rev)	0.01-0.20	0.01-0.20	0.01-0.20	0.01-0.20	0.01-0.20	0.01-0.20
Inch	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI	40/2-60TPI
Metric (mm)	170/0.5-15	17/0.5-15	17/0.5-15	17/0.5-15	17/0.5-15	17/0.5-15
Lead Screw Diameter (mm)	31.75 x 4TPI					
TAIL STOCK						
Spindle Diameter (mm)	50.8	50.8	50.8	50.8	50.8	50.8
Taper in Spindle	MT-4	MT-4	MT-4	MT-4	MT-4	MT-4
Tail Stock Spindle Travel (mm)	145	145	145	145	145	145
ELECTRICALS						
Main (HP)	2	2	2	2	2	2
Machine Weight (Kgs)	750	800	850	900	1000	1050

#### Standard Accessories :



#### **Optional Accessories :**

ady Rest llow Rest ce Plate ctrical Fitting e Chuck & Dog Chuck ick Change Tool Post oper Turning Attachment ectric Control Panel e Chuck g Chuck olant Pump y Way Cutting chine Pump e Center ill Chuck Axis DRO





# **Milling Machine**

High Quality Machines as per ISO standards



**Universal Model** 

**Vertical Model** 

#### Machine is Suitable for Mass Production Purpose

Auto Feed is provided in both directions for Longitudinal movement of table, Vertical & Cross Movement are hand operated.

Model	SM-0	SM-1	SM-1H	SM-2	SM-2H
Surface of Table (MM)	800 x175	900x200	1050 x 250	1200x275	1300x300
No. of T-Slots	3	3	3	3	3
Size of T-Slots	1/2"	1/2"	1/2"	1/2"	1/2"
Swivel either Side of Table	45	45	45	45	45
Cross Traverse (MM)	150	450	175	200	250
Vertical Traverse (MM)	400	400	450	500	625
Longitudinal Traverse (MM)	475	475	625	625	675
Arbour Diameter (MM)	25.4	25.4	25.4	25.4	25.4
Taper of Spindle	ISO 40	ISO 40	ISO 40	ISO 40	ISO 40
No. of Spindle Speed	6	6	6	9	9
Range of Spindle Speed (RPM)	40 - 700	40 - 700	40 - 700	40-700	40 - 700
Spindle Diameter (MM)	50	70	80	80	90
No of Fead in Longitudinal Table Long.	2	2	2	3	3
Main Motor Power (HP)	1	1.5	2	2	2
Weight (Kgs.)	450	700	900	1300	1900



## **Providing Engineering Solutions Since 1983**

## **All Geared Universal Milling Machine**

High Quality Machines as per ISO standards





High Quality Close Grained Cast Iron. All Slides Grinded On Slide Way M Grinder And Closely Scraped.

Steel Sliding Gears Carried On Splined Shafts, Shafts Spindle And Arbor Made Of Alloy Steel

Model	MAC2U-E	MAC3U-E	MAC4U-E	MAC5U-E	MAC6U-E
TABLE					
Working Space mm	1300 x 300	1400 x 300	1600 x 350	1800 x 400	2000 x 450
Slot Nos/ Size	3.16 T NUT	3.22 T NUT	3.22 TNUT	3.22 T NUT	3.22 T NUT
TSlot Centre	70	80	85	90	95
Swivel	+450	+ 450	+ 450	+ 450	+ 450
Longitudinal Travel By Power X mm	700	800	1000	1200	1300
Cross Travel By Power Y mm	215	260	340	380	450
Vertical Travel By Power Z mm	450	510	600	650	700
FEEDS					
Range of Longtitude Feed/Min	23-420	23-420	23-420	23-420	23-420
Range of Cross Feed/ Min.	23-420	23-420	23-420	23-420	23-420
Range of Vertical Feed/ Min.	3-70	3-70	3-70	3-70	3-70
No. of Rapid Feed	1	1	1	1	1
Rapid Long & Cross/ Min.	1050	1050	1050	1050	1050
Rapid Vertical' Min.	175	175	175	175	175
SPINDLE					
Range of Spindle Speeds RPM	40 to 1200				
Spindle Taper	ISO - 40	ISO - 40	ISO - 40	ISO - 50	ISO - 50
Arbor Diameter	25.4	25.4	32	40	40
POWER					
Main Motor	3 HP	5 H.P	5 HP	10H.P	10HP.
Feed Motor	2HP	2HP	3H.P	3H.P	5 HP.
Coolant Motor	0.1 HP.	0.1 HP.	0.1 H.P.	0.1 H.P.	0.1H.P.

## **All Geared Vertical Milling Machine**



High Quality Machines as per ISO standards





**Optional** -DRO

High Quality Close Grained Cast Iron. All Slides Grinded On Slide Way M Grinder And Closely Scraped.

Steel Sliding Gears Carried On Splined Shafts, Shafts Spindle And Arbor Made Of Alloy Steel

Model	MAC2V-E	MAC3V-E	MAC4V-E	MAC5V-E	MAC6V-E
TABLE					
Working Space (mm)	1300 x 300	1400 x 300	1600 x 350	1800 x 400	2000 x 450
No. & Width of T Nut	3.16	3.22	3.22	3.22	3.22
Centre Distance Between T Slots	70	80	85	90	95
Longitudinal Travel By Power X (mm)	700	800	1000	1200	1300
Cross Traverse By Power Y (mm)	215	260	340	380	450
Vertical Travel By Power Z (mm)	450	510	600	650	700
Min. Distance From Left Hand Table	250	300	360	400	450
End to Spindle Center (mm)					
MILLING SPINDLE					
No. of Speeds	12	12	12	12	12
Speed Range ( RPM)	40-1200	40-1200	40-1200	40-1200	40-1200
Spindle Nose	ISO - 40	ISO - 40	ISO - 40	ISO - 50	ISO - 50
Min! Max. Distance,	40-450	0-510	0-600	0-650	0-700
Centre Milling Spindie/					
Lower Face of Milling					
Spindle to Table Top Surface					
Distance Spindle Centre to Column	320	350	370	400	500
Face Vertical Movement of Quill	75	95	96	100	100
Swivel of Milling Head On Either Side	45°	45°	45°	45°	45°
FEEDS					
No. of Feeds					
Feed Range : Long & Cross	18	18	18	18	18
Vertical	23-420	23-420	23-420	23-420	23-420
Rapid Traverse : Long Cross	3-70	3-70	3-70	3-70	3-70
Vertical	1050	1050	1050	1050	1050
	175	175	175	175	175
POWER					
Main Motor	3H.P	5 H.P	7.5H.P	10 H.P	12 HP.
Feed Motor	2H.P	2H.P	3H.P	3H.P	3HP.
Coolant Motor	0.1 HP.	0.1 HP,	0.1HP.	0.1 HP.	0.1 HP.





## **High Quality Machines** as per ISO standards

## **Providing Engineering Solutions Since 1983**

# **Vertical Turret Milling Machine**



Square Head -M4S & M4SZ



Round Head 5HP -M5 & M5Z



Round Head 5HP -M6 (Without Head Tilt)



Z Axis Motorized - Z Series





**Dovetail Guide Way** 



Z Axis Box Way

**Machine Lamp** 

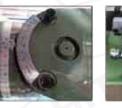








Arm Rotate 360 Degree Head Rotate & Tilting







## **Vertical Turret Milling Machine**

SHITAL

**SINCE 1983** 

## High Quality Machines as per ISO standards

Model	M3	M4	M4A	M4Z
Milling Head	Round	Round	Round	Round
Table Size(mm)	1270 x 254	1370 x 254	1370 x 254	1370 x 254
T-Slot (No./Size/Distance)	3/16mm/65mm	3/16mm/65mm	3/16mnv65mm	3/16mm/65mm
Max. Load on Table	300Kgs.	300Kgs.	300Kgs.	300Kgs.
X — Axis Travel	760mm	860mm	860mm	860mm
Y - Axis Cross Travel	400mm	400mm	400mm	400mm
Z-Axis Vertical Travel	405mm	405mm	405mm	405mm
X— Axis Guide Way	A	А	А	А
Y — Axis Guide Way	Α	А	-	-
Z-Axis Guide Way	A	А	А	А
Ram Travel	510mm	510mm	580mm	580mm
Spindle Taper		R8(NT30/NT	40- Optional)	
Spindle Quill Travel	127mm	127mm	127mm	127mm
Quill Feed	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15
No. of Spindle Speed	16	16	16	16
Range of Spindle Speed	80-5440rpm	80-5440rpm	80-5440rpm	80-5440rpm
Spindle Nose to Table	70-470mm	70-470mm	70-470mm	70-470mm
Head Tilt	4	90° Left & Right	+45° Front & Bad	:k
Motor power	3HP	3HP	3HP	3HP
Motor Power — Z Axis				0.5HP
Weight	1200kgs	1250kgs	1300kgs	1325kgs

Model	M4S	M4SZ	M5	M5Z	M6
Milling Head	Square Head	Square Head	Round	Round	Round
Table Size(mm)	1370 x 254	1370 x 254	1370 x 305	1370 x 305	1370 x 305
T-Slot (No./Size/Distance)	3/16mm/65mm	3/16mm/65mm	3/16mnv65mm	3/16mm/65mm	3/16mm/65mm
Max. Load on Table	300Kgs.	300Kgs.	300Kgs.	300Kgs.	300Kgs.
X — Axis Travel	860mm	860mm	860mm	860mm	860mm
Y - Axis Cross Travel	400mm	400mm	380mm	380mm	380mm
Z-Axis Vertical Travel	405mm	405mm	360mm	360mm	360mm
X— Axis Guide Way	А	А	А	А	А
Y — Axis Guide Way	А	-	-	-	-
Z-Axis Guide Way	А	А	-	-	-
Ram Travel	580mm	580mm	580mm	580mm	510mm
Spindle Taper		R8(NT30/NT	40- Optional)		
Spindle Quill Travel	127mm	127mm	127mm	127mm	127mm
Quill Feed	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15	0.04, 0.08, 0.15
No. of Spindle Speed	16	16	16	16	16
Range of Spindle Speed	66-4540rpm	66-4540rpm	66-4540rpm	66-4540rpm	66-4540rpm
Spindle Nose to Table	70-470mm	70-470mm	70-550mm	70-550mm	70-550mm
Head Tilt	4	·90° Left & Right	+45° Front & Bad	:k	
Motor power	3HP	3HP	5HP	5HP	5HP
Motor Power — Z Axis		0.5HP		0.5HP	
Weight	1400kgs	1425kgs	1500kgs	1525kgs	1600kgs







## **Providing Engineering Solutions Since 1983**

## **Universal Swivel Head Milling Machine**

High Quality Machines as per ISO standards







360 D Vertical Swivel Head





Auto Feed Gear Box Horizontal Speed Gear Box Control Panel with DRO





Box Guide Way & Swivel Table

Lubricant Pump

Model	X6432	X6436	X6436A
Table Size	1320 X 320mm	1320 X 360mm	1650 X 360mm
Number/Width/Distance of T-Stot	3-14-95mm	3-14-95mm	3-14-95mm
Max. Load on Table	250Kg.	300Kg.	300Kg.
Longitudinal Travel - X Axis	1000mm (Manual	) 1000mm	1300mm
Cross Travel - Y Axis	300mm (Manual)	300mm	300mm
Vertical Travel - Z Axis	440mm	400mm	400mm
Dist. From Spindle Axis to Table Surface	220-640mm	0-400mm	0-400mm
Dist. From Spindle Axis to Ram Surface	200-700mm	175-590mm	175-590mm
Spindle Taper	IS0-40	ISO-50	ISO-50
Number of Spindle Speed	12H/11V	12	12
Range of Spindle Speed - Horizontal	40 - 1300rpm	58 - 1800rpm	58 - 1800rpm
Range of Spindle Speed - Vertical	45 - 1660mpm	60 - 1750rpm	60 - 1750rpm
Max. Swivel Angle of Work Table		+35°	+35°
Feed Range - Longitudinal	20-360mm/min. (8	8) 25-800mnvmin.	25-800mm/min.
Feed Range - Cross	20-360mm/min. (8	3) 25-800mm/min.	25-800mm/min.
Feed Range - Vertical	422mm/min.	8-267mm/min.	8-267mm/min.
Rapid Speed - Longitudinal	1200mm/min.	1200mm/min.	1200mm/min.
Rapid Speed - Cross	1200mm/min.	1200mm/min.	1200mm/min.
Rapid Speed - Vertical	400mm/min.	400mm/min.	400mm/min.
Feed Motor Power	0.55kw /0.75kw	1.1kw	1.1kw
Dimension (Approx.) (L x W x H) (mm)	2020X1710X1995	2070X2025X2020	2550X2025X2020
Weight (Approx.)	2100Kg.	2480Kg.	2580Kg.



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# **Manual Surface Grinder**

SHITAL SINCE 1983

High Quality Machines as per ISO standards



Model	SSG-175	SSG-225	SSG-250	SSG-300
Working Surface	175 x 350	225 x 450	250 x 500	300 x 600
of the Table (mm)				
Magn. Chuck size	150 x 300	200 x 450	200 x 500	200 x 500
Max. height from	250mm	275mm	300mm	300mm
Table to Grind.Wheel				
Vertical Feed Gradu.	0.01	0.01	0.002	0.002
Cross Feed Gradu.	0.05	0.05	0.05	0.05
Size of Grinding Wheel (mm)	175 x 13 x 31.75	200 x 13 x 31.75	200 x 13 x 31.75	200 x 13 x 31.75
Spindle Speed RPM	2800	2800	2800	2800
Main Motor Power	0.75HP	1HP	2HP	2HP

#### Accessories :

Vibration-free and noiseless working Follow Rest

Precessed engineering and simple easily accessible controls mean time saving and accurate operation. Electrical Fitting
 The Accuracy on the machine is Guaranteed and controls of the machine are within the easy reach of the operator





High Quality Machines as per ISO standards

## **Providing Engineering Solutions Since 1983**

# **Hydraulic Surface Grinder**



	6.55		
SSG-H818	SSG-H1218	SSG-H824	SSG-H1224
200 x 450	300 x 450	200 x 600	300 x 600
525	525	675	675
240	350	240	350
400	400	400	750
15	1.5 to 15	1.5 to 18	1.5 to 18
1000	1000	1000	1000
0.5 to 10	0.5 to 10	0.5 to 10	0.5 to 10
0.002	0.002	0.002	0.002
200 x 20 x 31.75	200 x 20 x 31.75	250 x 25 x 76.2	250 x 25 x 76.2
2	2	3	3
2800	2800	2800	2800
20	20	20	20
2	2	2	2
75	75	75	75
	200 x 450 525 240 400 15 1000 0.5 to 10 0.002 200 x 20 x 31.75 2 2800 200 200 200 200 200	$\begin{array}{c ccccc} 200 \times 450 & 300 \times 450 \\ \hline 525 & 525 \\ 240 & 350 \\ \hline 400 & 400 \\ \hline & & \\ 15 & 1.5 \text{ to } 15 \\ 1000 & 1000 \\ \hline & & \\ 0.5 \text{ to } 10 & 0.5 \text{ to } 10 \\ 0.002 & 0.002 \\ \hline & & \\ 200 \times 20 \times 31.75 & 200 \times 20 \times 31.75 \\ \hline 2 & 2 \\ 2800 & 2800 \\ \hline & & \\ 200 & 20 & 20 \\ \hline & & \\ 200 & 2 & 2 \\ \hline \end{array}$	$\begin{array}{c ccccc} 200 \times 450 & 300 \times 450 & 200 \times 600 \\ \hline 525 & 525 & 675 \\ \hline 240 & 350 & 240 \\ \hline 400 & 400 & 400 \\ \hline 400 & 400 & 400 \\ \hline 400 & 100 & 100 \\ \hline 15 & 1.5 \ to \ 15 & 1.5 \ to \ 18 \\ \hline 1000 & 1000 & 1000 \\ \hline 1000 & 1000 & 1000 \\ \hline 0.5 \ to \ 10 & 0.5 \ to \ 10 & 0.5 \ to \ 10 \\ \hline 0.5 \ to \ 10 & 0.5 \ to \ 10 & 0.5 \ to \ 10 \\ \hline 0.002 & 0.002 & 0.002 \\ \hline 200 \times 20 \times 31.75 & 200 \times 20 \times 31.75 & 250 \times 25 \times 76.2 \\ \hline 2 & 2 & 3 \\ \hline 2800 & 2800 & 2800 \\ \hline 2800 & 2800 & 2800 \\ \hline 200 & 20 & 20 \\ \hline 20 & 20 & 20 \\ \hline 20 & 2 & 2 & 2 \\ \hline \end{array}$







High Quality Machines as per ISO standards



Model	SCG/300/125/H	SCG/600/150/H	SCG/800/150/H	SCG/1000/150/H	SCG/1250/180/H	SCG/1500/180/H
Center Height	125mm	150mm	150mm	150mm	180mm	180mm
Distance Between Centers	300mm	600mm	800mm	1000mm	1250mm	500mm
Maximum Swivel of Table	± 7 deg	±7 deg	±7 deg	+ 6 deg	+ 6 deg	+ 5 deg
Table Speed Infinitely Variable	0.1-4 M/Min	0.1-4 M/Min	0.1-4 M/Min	0.1-4 M/Min	0.1-4 M/Min	0.1-4 M/Min
Grinding Wheel (d x w x b)	350 x 40 x 127	400 x 40 x 127	400 x 50 x 127	400 x 40 x 127	400 x 40 x 127	450 x 50 x 127
Wheel Head rapid approach	40mm	50mm	50mm	50mm	50mm	50mm
Wheel head swivel	± 60 Deg	± 60 Deg	± 60 Deg	+ 45 Deg	+ 30 Deg	-
Grinding wheel speed (RPM)	1900/2100	1900/2100	1900/2100	1900/2100	1900/2100	1900/2100
Manual Feed Resolution (on Radius)	0.005mm	0.005mm	0.005mm	0.005mm	0.005mm	0.005mm
No. of Work Head Speed	10 to 600 RPM Variable	3	3 (10 to 250 VFD Option	al) 4(65,140,205, 300)	4 (10-500 VFD Optional)	8 (10-500 VFD Option
Work Head Swivel	± 90 Deg	± 90Deg	± 90Deg	+ 90Deg	+ 60Deg	+ 60Deg
Work Head Center	MT-3	MT-4	MT-4	MT-4	MT-4	MT-4
Tail Stock Center	MT-3	MT-4	MT-4	MT-4	MT-4 Std /	MT-5 OptMT-
Internal Grinding Spindle (Std.)	60 x 250 x 20000	60 x 250 x 20000	60 x 250 x 18000	60 x 250 x 18000	60 x 250 x 18000	60 x 250 x 1800
(Optional)					80 x 250 x 14000	80 x 250 x 14000
Work Head Motor	0.5 HP	1.0 HP	1.0 HP	1.0 HP	1.0 HP	1.5 HP
Wheel Head Motor	2.0 HP	3.0 HP	3.0 HP	3.0 HP	5.0 HP	5.0 HP
Coolant Pump	0.1 HP	0.1 HP	0.1 HP	0.1 HP	0.16 HP	0.16 HP
Internal Grinding Spindle Motor	1.0 HP	1.0 HP	1.0 HP	1.0 HP	1.0 HP	1.0 HP
Hydraulic Motor	1.0 HP	1.0 HP	1.0 HP	1.0 HP	1.0 HP	1.0 HP
Total HP	4.6 HP	6.1 HP	6.1 HP	6.1 HP	8.16 HP	8.56 HP





## Hydraulic Surface Grinder (SSG-1230)

High Quality Machines as per ISO standards



Model	SSG-H1230	SSG-H1240	SSG-H1632	SSG-H1640
Max. Table Size	300 x 750	300 x 1000	400 x 800	400 x 1000
Max. Longitudinal Travel	825	1075	875	1075
Max. Cross Traver	350	350	450	450
Max. Spindle Center Height above Table	750	750	750	750
SPEED AND FEEDS				
Max. Table Speed	18	18	1.5 to 18	1.5 to 18
Power Cross Traverse	1000	1000	1000	1000
Auto Cross Feed at each Table reversal (infinitely variable) (mr	n) 0.5 to 10	0.5 to 10	0.5 to 10	0.5 to 10
Least Count of vertical feed head wheel	0.002	0.002	0.002	0.002
GRINDING HEAD				
Size of Grinding wheel	250 x 25 x 76.2	250 x 25 x 76.2	300 x 50 x 76.2	300 x 50 x 76.2
Power of spindle motor	3	3	5	5
Speed of grinding spindle	2800	2800	1400	1400
HYDRAULIC SYSTEM				
Working Pressure Kg/Cm	20	20	20	20
Motor	2	2	2	2
Tank Capacity	75	75	75	75



## **Providing Engineering Solutions Since 1983**

# **Pillar Drilling Machine**



High Quality Machines as per ISO standards

**Parts Properly Balanced** 

Tolerance.

**EN Forged Steel.** 

Prior Assembling of Main Gear & Pully Parts finished on imported Grinding M/c.

Main Spindle & Pinon are Made out of

Spindle Ram is made out of Alloy Steel.

All Moving Parts Finished to Close

SMT-D13

SMT-I

SMT-D20

S	M.	Т.	D	2	0	X	1	5
					v	^		-

SMT D13	SMT D20	SMT D 20X15
13	20	20
47	15	87
Solid	MT-2	MT-2
75	125	125
175	215	381
4	8	8
500-2800	87-3200	87 - 3200
210x210	275x275	420x420
225x345	320x460	630x370
445	925	635
0.5	1	1
	13 47 Solid 75 175 4 500-2800 210x210 225x345 445	13       20         47       15         Solid       MT-2         75       125         175       215         4       8         500-2800       87-3200         210x210       275x275         225x345       320x460         445       925





## High Quality Machines as per ISO standards

# **Pillar Drilling Machine**

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	25-250 MD
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25	-250 HD
25	-230 ПИ

25-230 LD	25-250MD	25-250 HD
25	25	38
25	25	35
15	15	20
M.T-3	MT-3	MT-3
155	175	240
8	8	8
130 to 2600	130 to 2600	70 to 2000
Manual	Manual	Manual
230	250	250
1050	970	940
680	530	530
310*310	325*325	630*405
92	92	92
370*550	580*365	630*405
1HP 1400 RPM	1HP 1400 RPM	1HP1400 RPM
185kg	225kg	275kg
B-49	B-52	B-52
	25 25 15 M.T-3 155 8 130 to 2600 Manual 230 1050 680 310*310 92 370*550 1HP 1400 RPM 185kg	25       25         25       25         15       15         15       15         M.T-3       MT-3         155       175         8       8         130 to 2600       130 to 2600         Manual       Manual         230       250         1050       970         680       530         310*310       325*325         92       92         370*550       580*365         1HP 1400 RPM       1HP 1400 RPM         185kg       225kg



# **Pillar Drilling Machine**

SHITAL SINCE 1983

High Quality Machines as per ISO standards



38-280 LD	38-300	40-350
38	38	45
38	38	40
20	20	25
M.T-4	MT-4	MT-4
240	230	240
8	8	8
70 to 2000	70 to 2000	45 to 1000
Manual	Manual	Manual
300	280	350
1000	940	1030
530	530	550
380*310	380*380	485*485
101	101	135
630*435	630*435	800*525
1HP 1400 RPM	1HP 1400 RPM	2HP 960 RPM
300kg	350kg	550kg
B-54	B-56	B-71
	38 38 20 M.T-4 240 8 70 to 2000 Manual 300 1000 530 380*310 380*310 101 630*435 1HP 1400 RPM 300kg	38       38         38       38         38       38         20       20         20       20         M.T-4       MT-4         240       230         8       8         70 to 2000       70 to 2000         Manual       Manual         300       280         1000       940         530       530         380*310       380*380         101       101         630*435       630*435         1HP 1400 RPM       1HP 1400 RPM         300kg       350kg



High Quality Machines as per ISO standards

## All Geared Pillar Drilling Machine



	Model	
	Max. Drilling Capacity	40
	Max. Tapping Capacity	M-24
	Diameter of Column	155
	Spindle Travel(mm)	190
	Distance Spindle axis to column(mm)	265
	Max. Distance spindle nose to table(mm	) 590
	Max. Distance spindle nose to base(mm)	) 1080
	Spindle speed range(r/min)	75-1260
	spindle feeds series	3
	spindle feeds(mm/r)	0.08,0.26,0.16
	Dimension of worktable surface(mm)	510
	Max.travel of worktable(mm)	470x465
	Power Of Main Motor	1.5/2
	G.W/N.W(kg)	550/750
	Packing Dimension	H-2160 x L-900 x W-720
ľ		· · · · · · · · · · · · · · · · · · ·



# **Tapping Machine**



High Quality Machines as per ISO standards

- Column, Arm. Work Head & Gearr are made out of Gosed Grain.
- Parts Property Balanced
- Prior Assembiing of Main Gear & Pully
- Pasts Fineshed on imported Grinding Machine
- All moving parts Finished to dose Tolerance Spindle Ram is made oul of Alay Steel.
- Main Spindle & Pinon are Made out of EN Forged Steel.

Model	SMT-T6	SMT-T12
Tapping Machine Capacity	6mm	12mm
Oriling Capacity	3mm	8mm
Spindle Travel/Table travel	6mm	45mm
Distance Spindle to column	106mm	140mm
Distance between nose base	190mm	500mm
Distance between nose to Work table	moveable	430mm
Size of base Plate-L x B	370 x 250mm	480x 350
Size of Work Table -L xB	175 x 175mm	300x 300
Diameter of Column	47mm	74mm
'V-Belt for Motor (Inside ) -		A-71
V-Balt ( Outside)	A-36	A-32
No. of Spindle Speeds	3	3
Forwards Speeds Range	480/750/1400	350/620/1100
Reverse Speeds Range	480/750/1401	420/745/1315
Motor (HP)	0.5(1440RPM)	1HP(1440RPM)



## High Quality Machines as per ISO standards

## **Providing Engineering Solutions Since 1983**

# **Radial Drilling Machine**





SRD-25

SRD-38

CAPACITY25 mmDrilling Capacity25 mmColumn Diameter127 mmSpindle NoseMT-3Spindle Travel200 mmNo. of Spindle Speed8Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICALDrilling Head Motor (1440RPM)Drilling arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23OTHERImage: Construction of the section of th	SRD-38
Column Diameter127 mmSpindle NoseMT-3Spindle Travel200 mmNo. of Spindle Speed8Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL0.5 H.PDrilling arm Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	
Spindle NoseMT-3Spindle Travel200 mmNo. of Spindle Speed8Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL1Drilling Head Motor (1440RPM)1Lifting arm Motor (1440RPM)0.5V-BELT SectionB-40 & B-23	38mm
Spindle Travel200 mmNo. of Spindle Speed8Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL1Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	170mm
No. of Spindle Speed8Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Max. Drilling Radius910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL0Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	MT-4
Spindle Speed (RPM)110-2880Diameter of Ram72 mmWORKING RANGE910Max. Drilling Radius910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL0Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	250mm
Diameter of Ram72 mmWORKING RANGE910Max. Drilling Radius910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL0Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	8
WORKING RANGEMax. Drilling Radius910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICAL0Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	110-2125
Max. Drilling Radius910Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICALDrilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	178mm
Dist. from Spindle to base (Max/Min)810/130Dist. from Column to Spindle620/350ELECTRICALDrilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	
Dist. from Column to Spindle620/350ELECTRICALDrilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	910
ELECTRICALDrilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	950/240
Drilling Head Motor (1440RPM)1 H.PLifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	825/385
Lifting arm Motor (1440RPM)0.5 H.PV-BELT SectionB-40 & B-23	
V-BELT Section B-40 & B-23	1.5 H.P
	0.5 H.P
OTHER	B-47 & B-24
Machine Measurement (mm) 1020 x 810 x 1830	1280x930x1855
Size of box TABLE (mm)         250 x 205 x 205	300x300x385
Approx Weight (Kg.) 425	450

- Column, Arm. Work Head & Gear are made out of Closed Grain.
- Parts Properly Balanced
- Prior Assembling of Main Gear & Pully
- Parts Finished on imported Grinding Machine
- All moving parts Finished to close Tolerance
- Spindle Ram is made out of Alloy Steel
- Main Spindle & Pinon are Made out of EN Forged Steel.



# **Radial Drilling Machine**



High Quality Machines as per ISO standards



## SRD-AG40



Model	SRD-40	SRD-AG40
Drilling capacity	40 mm	40mm
Pillar diameter	170 mm	170mm
Spindle nose to table distance	705 mm	750mm
Spindle nose to base distance	995 mm	1050mm
Spindle center to pillar surface	790 mm (MAX)	850 mm (MAX)
Spindle center to pillar surface	790 mm (MAX)	850mm (MAX)
Taper in spindle	MT-4	MT-4
Number of speed	8 speed	8speed
Range of Speed (RPM)	70 to 2000	70 to 2000
Work Table Size (in mm)	290x290x375	290x290x375
Base size (Machined Area)	735 x 1240 mm	815 x 1380 mm
Overall Base Size	745 x 1260 mm	825 x 1400 mm
Spindle Travel	215 mm	250mm
Pillar Length	1490 mm	1560 mm
Overall height with pulley guard	1960 mm	2020 mm
Motor 1440 RPM 3 Phase 440 volts	1.5 HP & 0.5 HP	2HP







**Providing Engineering Solutions Since 1983** 

# **Drilling & Milling Machine**

High Quality Machines as per ISO standards



#### Model No. ZAY7045 Belt Driven & Round Column

Optional Accessories



#### 2/3 Axis DRO

		9
Specifications	ZAY7045	ZAY7045G
Driming Capacity	045 MM	045 MM
Face Milling Capacity	080 MM	080 MM
End Mating Capacity	032 MM	032 MM
Boring Capacity	30 to 80 mm	30 w 80 mm
Tapping Capacity	4 to 012 MM	4 to 12 MM
Distance : Spindle Nose to Table	450 MM	440 MIN
Min. Distance : Spindle Avs to Column	203.50 MM	272.50 MM
Colurnn Diameter	115 MM	115 MM
Spindle Travel	130 MM	130 MM
Spindle Taper	MT 4 or R8	MT 4 or R87
Step of Spindle Speed	12	6
Range of Spindle Speed SOHiz	80-2080 RPM	80-1250 RPM
Svevel Angle of Head stock Horizontaty	360°	360°
Perpersicutarty :	-	90°
Table Size	800x240 MM	800x240 MM
Forward & Backward Travel of Table	175 MM	175MM
Left & Right Travel of Table	500 MM	500 MM
Motor Power	1.50 KW	1.50 KW
Net Weight / Gross Weight	283KG/333K	318KG/368 KG
Packing Size { LxWiHt) (mm)	1020 x 820 1160	770 x 880 1160

Model No. ZAY7045G Gear Driven & Round Column

STANDARD ACCESSORIES : Allen Wrench Wedge Tie Rod Working Lamp Coolant System OPTIONAL ACCESSORIES : Drill Chuck Milling Cutter Holder Mill Chuck Power Feed Attachment Parallel Vise Machine Stand & Chip Tray Clamping Kit (58 Pcs.) Rotary Table

2 Axis & 3 Axis DRO

# DRILL& MILLINE

# **Drilling & Milling Machine**



High Quality Machines as per ISO standards

## Model No. ZAY7045FG

#### Fine Feed

2/3 Axis DRO

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Optional Accessories

		9
Specifications	ZAY7045FG	ZAY7045FG/1
Drilling Capacity	045 MM	045 MM
Face Milling Capacity	080 MM	080 MM
End Mating Capacity	032 MM	032 MM
Boring Capacity	30 to 80 mm	30 w 80 mm
Tapping Capacity	4 to 012 MM	4 to 12 MM
Distance : Spindle Nose to Table	450 MM	450 MIN
Min. Distance : Spindle Axis to Column	260 MM	260 MM
Spindle Travel	130 MM	130 MM
Spindle Taper	MT 4 or R8	MT 4 or R87
Step of Spindle Speed	6	6
Range of Spindle Speed 50Hiz	80-1250 RPM	80-1250 RPM
Auto Feeding Step of Spindle	-	6
Auto Feeding Amount of Spindle :	-	0.06-0.03 mm/rev
Table Size	800x240 MM	800x240 MM
Forward & Backward Travel of Table	175 MM	175MM
Left & Right Travel of Table	500 MM	500 MM
Motor Power	1.50 KW	1.50 KW
Net Weight / Gross Weight	323/373 KG	325/375 KG
Packing Size { LxWiHt) (mm)	770 x 880 x 1160	770 x 880 x 1160

#### Model No. ZAY7045FG/1 Auto Feed

STANDARD ACCESSORIES : Allen Wrench

Wedge

П

- Tie Rod Working Lamp
- Coolant System

**OPTIONAL ACCESSORIES :** 

- Drill Chuck
- Milling Cutter Holder
- Mill Chuck
- Power Feed Attachment
- Parallel Vise
- Machine Stand & Chip Tray
- Clamping Kit (58 Pcs.)
- Rotary Table
  - 2 Axis & 3 Axis DRO

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# DRILL & MILLING



# **Drilling & Milling Machine**

# High Quality Machines as per ISO standards

#### **FEATURES**:

- 1.Worktable Auto Feeding in X & ¥ Axis.
- 2.Spindle Speed Step Changed Cyclicalty and
- Spindte Auto Feeding & Cyclic Change of Feeding Speed.
- 3. Milling Drilling Tapping Boring & Reaming.
- 4.Head Stock Swivels + 90° Vertically.
- 5. Micro Feed Precision.
- 6. Adjustable Gibs on Table Precision.

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7. Strong Rigidity, Powerful Cutting & Precise Positioning.



Specifications	ZAY7045A/1
Drilling Capacity	045 MM
Max. Boring Diameter	070 MM
Max. Face Mill Capacity	80 MM
Max. End Mill Capacity	032 MM
Max. Distance from Spindle Nose to Table	400 MM
Max. Distance from Spindle Axis to Column	260 MM
Boring Capacity	030 to 080 MM
Tapping Capacity	04 to 012 MM
Spindle Travel	130 MM (Auto Feed)
Spindle Taper	MT 3/ MT 4 or R8
Step of Spindle Speed	6
Range of Spindle Speed 50Hz	80-1250 RPM
Auto-feeding Step of Spindle	6
Auto-feeding Amount of Spindle	0.06 - 0.30 MM/R
Swivel Angle of Head Stock (Perpendicular)	90°
Auto Feeding Step of Spindle (Longitudinal / Cross	6
Auto Feeding Amount of Worktable	24-35-49-73- 104-145 MM / MIN
Table Size	800 x 240 MM ( Optional : 1000 x 240 MM)
Forward & Backward Travel of Table	165 MM
Left & Aight Travel of Table	450 MM ( 650 MM )
Motor Power	1.50 KW
Net/Gross Weight	360KG / 420KG
Packing Size (LxWxH)	930 x 770 x 1160 MM



OPTIONAL ACCESSORIES : Drill Chuck Milling Cutter Holder Mill Chuck Power Feed Attachment Parallel Vise Machine Stand & Chip Tray Clamping Kit (58 Pcs.) Rotary Table 2 Axis & 3 Axis DRO

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# DRILL& MILLING

## **Horizontal Metal Cutting Bandsaw Machine**



High Quality Machines as per ISO standards



Model	SB-1	SB-1HS	SSB-251HS
CAPACITY	175	200	250
Round (mm)	175	200	250
Square (mm)	150 X 150	150 X 150	200 X 200
DRIVE			
Drive Motor (H.P., RPM)	0.5 / 1440	1 / 1440	1.5 / 1440
Coolant Pump (H.P., Valts)	0.15 / 440	0.15 / 440	0.15 / 440
Blade Speed (Mtr/Min)	25 / 30 / 40	20 / 35 / 55 / 75	35 / 55 / 75
OTHER			
Bandsaw Blade (mm)	2515 x 20 x 0.9	3000 x 27 x 0.9	3300 x 27 x 0.9
Guide Pulley Dia (mm)	340	410	425
Floor Space LxWxH (mm)	1500 x 570 x 870	1630 x 580 x 895	2000 x 600 x 900
Net Weight (kg.)	272	322	400





**Double Column Full Automatic** 

High Quality Machines as per ISO standards

## Horizontal Bandsaw Machine



Auto Cutting Stop

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Stress Retieved Fabricated Steel Structure Hard Chrome Plated Ground Column

Variable Pressure Control for Cutting Feed

Push Button Type Operating Panel Board

Manual Blade Tensioning Arrangement

Heavy Duty Worm Gear Box

Material Feeding Manually

Moveable Blade Support Guide

Automatic Height Adjustment for Saw Frame

#### Optional Attachment 3 Clamping Device



Optional Attachment Electric Feed Rack



- Sawing mode changes, Flexible, manual<br/>& automatic CombinedAdjustable Bar Support Stand<br/>Tool KitController complete automatic sawing processOperating & Instruction ManualModelSB-DC280FASB-DC350FACutting Capacity Round260mm360mmCutting Capacity Square280 x 280mm350 x 350mmBlade Size3505 x 27 x0.9mm4115x 34x1.1mm
- 360mm 400mm 350 x 350mm 400 x 400mm 4115x 34x1.1mm 5000 x 41x 1.3mm Blade Speed 27, 45, 69m/min, 27, 45, 69m/min, 27.45.69m/min. **Clamping Type** Hydraulic. Hydraulic. Hydraulic. Automatic (0-500mm) Material Feeding Automatic (0-500mm) Automatic (0-500mm) 3.0kW 4.0kW Main Motor Power 3.0kW Hydraulic Motor Power 0.75kW 0.75kW 0.75kW 0.04kW 0.04kW 0.125kW **Coolant Motor** Power Supply 415V-50Hz-3Phase 415V-50Hz-3Phase 415V-50Hz-3Phase **Overall Demension** 1860 x 2400 x 1400mm 2000 x 2500 x 1500mm 2500 x 2500 x 600mm

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Standard Accessories:

**Blade Tensioning Wrench** 

SB-DC400FA

**Coolant Systems** 

Machine Lamp

Saw Blade





High Quality Machines as per ISO standards

## Horizontal Bandsaw Machine



#### **Salient Features:**

- Stress Retieved Fabricated Steel Structure
- Hard Chrome Plated Ground Column
- Automatic Height Adjustment for Saw Frame
- Variable Pressure Control for Cutting Feed
- Auto Cutting Stop
- Push Button Type Operating Panel Board
- Heavy Duty Worm Gear Box
- Moveable Blade Support Guide
- Manual Blade Tensioning Arrangement
- Material Feeding Manually
- Sawing mode changes, Flexible, manual & automatic Combined
- Controller complete automatic sawing process

Standard Accessories: Saw Blade Coolant Systems Machine Lamp Blade Tensioning Wrench Adjustable Bar Support Stand

- Tool Kit
- Operating & Instruction Manual

Model	SB-DC200SA	SB-DC280SA	SB-DC350SA	SB-DC400SA	SB-DC500SA
Cutting Capacty Round	200mm	280mm	350mm	400mm	500mm
Cutting Capacity Square	200 x 200mm	280 x 280mm	350 x 350mm	400 x 400mm	500 x 500mm
Blade Size	2800 x 27 x0.9mm	3505x 34x1.1mm	4115 x 41x 1.3mm	5000 x 41 x 1.3mm	5800 x 41 x 1.3mm
Blade Speed	27, 45, 69m/min	27, 45, 69m/min	27, 45, 69m/min	27, 45, 69m/min	27, 45, 69m/min
Clamping Type	Hydraulic.	Hydraulic.	Hydraulic.	Hydraulic.	Hydraulic.
Main Motor Power	1.5kW	2.2kW	3.0kW	4.0kW	5.5kW
Hydraulic Motor Power	0.55kW	0.55kW	0.55kW	0.75kW	0.75kW
Coolant Motor	0.04kW	0.04kW	0.04kW	0.125kW	0.125kW
Power Supply	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase	415V-50Hz-3Phase
Overall Demension	1860 x 2400 x 1400mm	1400x 900 x 1100mm	1860x 1000x 1400mm	2500 x 1300 x1600 mm	2800 x 1300 x 2000mm



## **Providing Engineering Solutions Since 1983**



High Quality Machines as per ISO standards

# **Air Compressor**



**Two Stage** 

CUTTERESUK

#### Single Stage

Model	NB-3	NB-4	NB-4LT	NB-6	NB-6S	NB-8	NB-8H	NB-10S	NB-11S	NB-6LT	NB-6 LT
HP	0.5	1	1	1	1	2	2	3	5	1	1
No. of Cylinder	1	1	1	2	2	2	2	2	2	2	2
Piston Displacement C.F.M	2.8	3.4	3.4	5	5	10.3	10.3	10.45	18	5	5
Max. Working Pressure P.S.I	50	60	60	85	85	100	100	100	100	85	85
Tank Size in inch	10 * 30	12 * 30	14 * 32	12 * 30	10 * 30	15 * 36	14 * 36	16 * 42	16 * 42	14 * 32	15 * 36
Tank Capacity Litres	36	60	80	61	36	130	100	170	170	125	125

#### **Two Stage**

Model	NB-34TS	NB-42TS	NB-42TSL	NB-53TS	NB-1200TS	NB-13TS	NB-14TS	NB-14TS	NB-16TS	NB-16TS
HP	3	5	5	7.5	10	10/12.5	15	20	25	30
No. of Cylinder	2	2	2	2	2	2	3	3	3	3
Piston Displacement C.F.M	9.79	17.32	17.32	26.4	36.35	44	63	81.8	99	110
Max. Working Pressure LPM	211	546	546	747	1070	1245	1783	2310	2800	3100
Tank Size in inch	16 * 50	18 * 48	18 * 58	18 * 58	18 * 58	18 * 72	24 * 66	24 * 66	24 * 66	24 * 66
Tank Capacity Litres	175	200	250	250	250	300	500	500	500	500



# **Air Compressor**

## **Multistage or High Pressure**

DUMPRESSU

High Quality Machines as per ISO standards

Model	Working Pressure	Free A	Motor H.P.	
	Kg'/CM'G	CFM	m'/hr	
PE SC 5	7/10	26/21	44/35.6	5
PE SC 7	7/10	32/26	54.24/44	7.5
PE SC 10	7/10/12	44/35/28	74.5/59.3/47.4	10
PE SC 15	7/10/12	61/53/43	103.4/89.8/72.9	15
PE SC 20	7/8/10	89.4/82.2/71.5	151.5/139.3/121.2	20
PE SC 25	7/8/10	107.2/100/89.4	181.7/169.5/151.52	25
PE SC 30	7/8/10	128/121/107	216.9/205/181	30
PE SC 40	7/8/10	178/168/153	301.6/284.7/259	40
PE SC 50	7/8/10	232/218/196	393/369/332	50
PE SC 60	7/8/10	286/268/250	484.7/454.2/423	60
PE SC 75	7/8/10	375/350/307	635/593.2/520.3	75
PE SC 100	7/8/10	483/430/394	818.6/728.8/667.8	100

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LAWERER



High Quality Machines as per ISO standards

## **Air Compressor**



Model	Working Pressure	Free Air	Delivery	Motor H.P.
	Kg'/CM'G	CFM	m'/hr	
PE SC 5	7/10	26/21	44/35.6	5
PE SC 7	7/10	32/26	54.24/44	7.5
PE SC 10	7/10/12	44/35/28	74.5/59.3/47.4	10
PE SC 15	7/10/12	61/53/43	103.4/89.8/72.9	15
PE SC 20	7/8/10	89.4/82.2/71.5	151.5/139.3/121.2	20
PE SC 25	7/8/10	107.2/100/89.4	181.7/169.5/151.52	25
PE SC 30	7/8/10	128/121/107	216.9/205/181	30
PE SC 40	7/8/10	178/168/153	301.6/284.7/259	40
PE SC 50	7/8/10	232/218/196	393/369/332	50
PE SC 60	7/8/10	286/268/250	484.7/454.2/423	60
PE SC 75	7/8/10	375/350/307	635/593.2/520.3	75
PE SC 100	7/8/10	483/430/394	818.6/728.8/667.8	100

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#### High Quality Machines as per ISO standards

**Air Compressor** 

## **Refrigerated Air Dryer**



	Model	Capacity	Working Pressure
		CFM	Kg'/CM'G
	RFG – 20	20	12.3
	RFG – 40	40	12.3
1	RFG – 60	60	12.3
	RFG – 80	80	12.3
	RFG – 100	100	12.3
	RFG – 125	125	12.3
	RFG – 150	150	12.3
	RFG – 200	200	12.3
	RFG – 250	250	12.3
2	RFG – 300	300	12.3
	RFG – 400	400	12.3
	RFG – 500	500	12.3
	RFG – 600	600	12.3
	RFG – 750	750	12.3
	RFG – 1000	1000	12.3



#### High Quality Machines as per ISO standards





Specification	3	5		5	10	10	10	15	20	20	30
CRANK DIAMETER	38	51		51	60	60	60	70	76	76	83
STROKE/ MIN	2-19 MM	6-25 MM		6-38 MM	6-25 MM	6-51 MM	6-51 MM	10-51 MM	13-51 MM	13-76 MM	13-63 MM
SLIDE ADJUSTMENT	20	25		25	25	25	25	25	25	25	25
HOLE IN RAM	19	25		25	25	25	25	32	32	32	38
HOLE IN BED	51 <sup>SV</sup>	63		75	76	76	76	89	89	89	102
L x W OF BED	255 X 152	305 x 178		356 x 203	356 203	x 406 x 254	406 x 254	457 x 305	457 x 305	508 x 355	508 x 355
DIST. BED TO RAM	140	152		175	180	205	205	230	230	254	266
STROKE/Mill	-	-		_	-	-	-	-	-	-	-
DOUBLE GEAR (SPM)	-	-3		_	-	-	-	-	50	50	40
SINGLE GEAR (SPM)	90	80		80	80	80	80	75	60	60	55
UN GEAR (SPM)	165	150		150	130	130	130	120	120	120	115
H. P./ RPM (UG)	0.5 / 96	0 0.5/9	60	0.5 / 960	1/96	0 1-960	1/960	1.5/960	2/960	2/960	3/960
H. P./RPM (G)	0.5/144	0 0.5/14	440	0.5/1440	1/14	40 1/144	0 1/1440	1.5/1440	2/1440	2/1440	3/1440
FLOOR TO TOP OF BED	520	690		690	730	730	730	740	815	844	815
WT.I1I KGS (APPOX)	150	300		350	450	525	525	700	900	1050	1100
Specification	30	50	60	75		85	100	150	200	250	300
CRANK DIAMETER	83	95	101	115		115	127	140	158	165	175
STROKE/ MIN	13-89 MM	13-76 MM	13-8 MM		02	13-102 MM	13-115 MM	13-127 MM	13-152 MM	13-165 MM	13-175 MM
SLIDE ADJUSTMENT	25	40	40	50		50	60	60	70	70	70
HOLE IN RAM	38	51	51	51		51	55	55	63	63	63
HOLE IN BED	102	127	127	178		178	191	203	216	216	228
L x W OF BED	559 x 406	660 x 406	711 508	x 711 : 508	x	760 x 595	813 x 558	914 x 610	965 x 660	1067 x 711	1117×762
DIST. BED TO RAM	305	290	320	330		350	381	410	432	485	508
STROKE/Mill	_	0	-			THCE	_	-/ 0	-	-	-
DOUBLE GEAR (SPM)	40	30	-	-		_	8		-	ACE 19	-
SINGLE GEAR (SPM)	55	50	50	40		40	30	30	30	30	30
UN GEAR (SPM)	115	90	-	-		< P	-	-		-	-
H. P./ RPM (UG)	3/960	5/960	-	-		- /	-	-	-	-	-
H. P./RPM (G)	3/1440	5/1440	5/14	40 7.5/1	440	7.5/1440	10/1440	15/1440	20/1440	25/1440	30/1440
FLOOR TO TOP OF BED	856 🔇	900	900	915		915	915	915	915	915	915
WT.I1I KGS (APPOX)	1465	2250	270	0 3500	<b>`</b>	4050	5500	6000	9500	11500	13000





## **H** Type Power Press

FULLER FRES

High Quality Machines as per ISO standards



Specification	20	20	30	30	50	75	100	150	200	250	300
CRANK DIAMETER	76	76	83	83	95	114	127	140	158	165	175
STROKE ADJUSTMENT	13-51 MM	13-76 MM	13-63 MM	13-89 MM	13 -76 MM	13-102 MM	13-115 MM	13-127 MM	13-152 MM	13-165 MM	13-177 MM
SLIDE ADJUSTMENT	25	25	25	25	40	50	60	60	70	70	70
HOLE IN RAM	32	32	38	38	51	51	55	55	63	63	63
HOLE IN BED	89	89	102	102	127	178	191	203	216	216	228
L x W OF BED	406 X 508	406 X 508	457 X 556	457 X 556	508x 610	610×762	660 x813	711 X914	762 x 965	812×1016	863 x 1066
DIST. BED TO RAM	230	255	266	305	290	330	381	410	432	485	508
STROKE / MIN	STACE	-		-	-	-	-	+	_	_	e
DOUBLE GEAR (SPM)	50	50	40	40	30	-	- <p< td=""><td>-</td><td>-</td><td>-</td><td>-</td></p<>	-	-	-	-
SINGLE GEAR (SPM)	60	60	55	55	50	40	30	30	30	30	30
UN GEAR (SPM)	120	120	115	45	8	_	-SINCE	-	-5		-
H. P./RPM (UG)	2/960	2/960	3/960	3/960	-	-	-	0	-	SINCE	- ( 6
H. P./ RPM (G)	2/1440	2/1440	3/1440	3/1440	5/1440	7.5/1440	10/1440	15/1440	20/1440	25/1440	30/1440
FLOOR TO TOP OF BED	815	815	815	815	900	915	915	915	915	915	915
WT.IN KGS (APPOX)	800	1050	1000	1300	2000	3100	4600	5650	9000	11500	12500

## **KGX Series**

High Quality Machines as per ISO standards



ITEM	MODEL KGX	10		16		25		40		63		80		100	
		A B	C D	A B	CD	ΑB	CD	AB	CD	A B	C D	A B	C D	A B	C D
Force	kn	100		160		250		400		630		800		1000	
Rated distance before BDC	mm	2	1.6 5	3.15	2.2	3.5	2.2	4	2.2	5	2.5	5	2.5	5	2.5
Stroke Length	mm	50 Aug- 50	50 Aug- 50	63 Aug- 63	80 Aug-	80 Aug- 80	80 Aug- 80	88 Aug-	88 Aug-	100 <sup>8-</sup> 100	100 <mark>8-</mark> 100	112 8- 112	112 8- 112	125 8- 125	125 <mark>8-</mark> 125
Number of Stroke	min-1	75	150	75	150	70	140	65	130	60	120	56	110	45	125
Fly-Wheel Energy	kj	1	0.7	2.5	1.5	4.4	3	8	4.6	16.75	7.78	20	10	25	12
Throat Depth	mm	165		185		210		235		285		325		325	
Shut Height Over Bed(Stroke DownAdj.Up)	mm	200		265		300		315		350		450		450	
Slide Adjustment	mm	50		50		63		70		70		80		80	
Slide Area (L – R x F – B)	mm	225 x 160	)	280 x 170	)	350 x 250	)	400 x 35	0	500 x 400		550 x 450	)	600 x 450	)
Bolster Area (L – R x F – B)	mm	540 x 315	5	600 x 355	5	630 x 400	)	800 x 45	0 8	900 x 550	)	1000 x 63	30	1000 x 63	0
Bolster Thickness	mm	65		70		75		75		90		90		90	
Bed Opening (L – R x F – B)	mm	220 x 160	)	280 x 200	)	315 x 224		355 x 25	0	400 x 280	)	450 x 315	5	500 x 355	j
Clear Distance Between Uprights	mm	330		375		420		500		590		620		670	
Main Motor	kwxrpm	1.1×1500	1.1×1000	1.5×1500	1.5×100	2.2×1500	2.2×1000	3.7×150	03.7×100	5.5×1500	5.5×1000	5.5×1500	5.5×1000	7.5×1500	7.5×1000
Slide Adjustment Motor	kwxrpm	-		-		-		_		-				-83	
Height From Roor to Top of Bolster	mm	800		800		800		900		900		900		900	
Machine Weight (Approx)	kg.	950	900	1750	1600	2250	2100	3850	3600	6100	5600	6800	6300	9000	8500
Required Air Pressure	atm	5.5		5.5		5.5		5.5		5.5		5.5		5.5	
Model	-	_		DC-72		DC-72		DDC-82		DDC-102		DDC-123		DDC-123	
Force	kn	—		17		17		44		70		100		100	
Strock Length	mm	—		50		50		50		50		75		75	
Pressure Pad Area	mm	-		260×180		290×200		335×230		380×260		430×290		475×330	
Required Air Pressure	atm	-		7		7		7		7		7		7	

FULLER FRESS

Note: Available on requirement.

# **SR Series**



High Quality Machines as per ISO standards



Specification	Model No.			SR-10	SR-16	SR-25	SR-40	SR-63	SR-80	SR-100	SR-125	SR-150	SR-200	SR-250
	Cap. at 20° Crank BDC	Angle Bef	ore	10 Ton	16 Ton	25 Ton	40 Ton	63 Ton	80 Ton	80 Ton	125 Ton	150 Ton	200 Ton	250 Ton
	Stroke Fixed	Standard	mm	40	50	63	80	100	100	125	125	160	160	160
		Optional	mm	20,25,32	25,32,40	32,40,63	40,50,63	50,63,80	63,80,100	63,80,100	80,100	100,160	100,160,200	100,160,20
			mm	50,63	63,80	80,100	100,125	125,160	125,160	125,160	160,200	200,250	250	250
	Stroke Adjustment	Standard	mm	8 to 40	8 to 50	8 to 63	8 to 80	8 to 100	8 to 100	8 to 125	8 to 125	25 to 160	25 to 160	25 to 160
		Optional	mm	8 to 63	8 to 80	8 to 100	8 to 125	8 to 160	8 to 160	8 to 160	—	-	-	- /
SLIDE	Adjustment of Slide	—	mm	50	50	50	63	63	80	80	80	80	80	80
	Slide Face FB x	Standard	mm	180×280	200×315	224×335	250×400	280×450	315×500	315×500	315×500	315×500	400×600	400×600
		Fange	mm	315×400	355×450	400×500	450×560	500×360	560×710	560×710	_	_	_	_
	Slide Face Opening Dia x Deep		mm	32×60	40×75	40×75	50×85	50×85	50×85	60×85	60×85	70×85	70×85	70×85
SPEED	Ungeared Pneumatic Clutch Geared Pneumatic Clutch	Ungeared Geared	spm spm	140 70	125 63	112 56	100 50	90 45	80 40	80 41	41	35	30	30
	Shut Height*	Standard	mm	200	224	250	280	315	325	355	375	400	500	500
	(Below Bolster-	Optiona	mm	250	280	315	355	400	450	450	500	550	600	600
NODIC	òver Bed)		mm	315	355	400	450	500	560	560	_	_	Z	
VORK	Depth of Throat	Standard	mm	160	180	200	224	250	263	280	300	325	355	355
		Deep	mm	224	280	280	315	400	450	450	_	-	-	_
	Clear Distance Between Upright		mm	250	280	315	355	400	460	460	500	525	550	600
	Area F to B x L to	Standard	mm	315×500	355×560	400×630	475×750	500×800	525×900	560×900	600×900	650×1000	750×1120	710×1120
		Deep	mm	400×500	450×560	500×630	560×750	630×800	710×900	710×900	_	_		1
ED & OLSTER		Extra Deep	mm	400×630	450×710	560×900	560×900	630×1000	710×1120	710×1120	_	_	_	_
SECTEN	Table FB x LR x Dia.	Standard	mm	160×200 x200	180×224 x224	225×280 x280	250×315 355	250×315 ×315	280×355 x355	280×355 x355	280×355 x355	300×375 x375	350×375 x375	300×400 ×400
	Bolster Thickness		mm	65	70	80	80	85	100	100	110	120	150	150
	Ungeared	Kw HP		75/1 HP	1.5/2 HP	3.7/5 HP	3.7/5 HP	5.5/7.5 HP	7.5/10 HP	9.5/12 HP	11.25/15 HP	15/20 HP	15/20 HP	18.75/25
	ongoarou			750/960	750/960	750/960	750/960	750/960	750/960	750/960	HP 750/960	750/960	750/960	750/960
IOTOR		rpm												
	Geared	Kw/Hp		75/1 HP	1.5/2 HP	3.7/5 HP	3.7/5 HP	5.5/7.5 HP	7.5/ 10 HP	9.5/12 HP	11.25X15 HP	15/20 HP	15/20 HP	18.75/25 H
VEDALL		rpm		1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
VERALL MENSION	Floor to Bed		mm	800	800	800	800	800	800	800	800	800	800	800
	Approx. Overall Size	Ungeared	cm	111×74 x235	126×95 x257	188×134 x313	188×135 x315	210×150 x360	250×180 x365	260×180 x365	_	-	-	-EN'
		Geared	cm	111×74 x225	124×95 x250	184×134 x313	184×135 x315	205×150 ×360	240×180 x360	240×180 ×380	260×200 x390	260×210 ×400	280×230 ×420	290×240 x420
		Ungeared	kg	800	1300	2200	4250	5500	7500	8500	_	_	_	_
		Geared	kg	1000	1650	2500	4800	6000	8000	8800	9500	11000	15500	17500
USHION	Model		kg	-	-	KPCL-2	KPCL-3	KPCL-4	KPCL-5	KPCL-6	KPCL-7	KPCL-8	KPCL-9	KPCL-10
	Capacity		mm		- /	4500	5500	6500	8500	12000	15000	17500	25000	25000
	Stroke		mm	_		50	50	50	50	75	75	100	100	100
	Pad Area L to R x F to B		mm	_	-E	225 Dia.	225 Dia.	225 Dia.	300 Dia.	350×250 Dia.	350×250 Dia.	350×275 Dia.	350×300 Dia.	350×300 Dia.
	Air Pressure Required	Kg./Cm2		_ SV	_	7	7	7	7	7.83	7	7	7	7
CLUTCH	Туре	Standard Pneumatio	>	Single Disc. Friction		Single Dis Friction								
	Air Pressure	KG/Cm2		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5

NOTE: When th slide stroke is increased from standard, shut height is reduced by stroke difference as overhanging dies. When slide stroke is decreased shut height is increased by half of stroke difference. "Shut Height = Distance between slide face to bed surface, when stroke down adj. up.

FULLER FRES

**High Speed Presses – C Type** 



#### High Quality Machines as per ISO standards

#### MODEL KVH - 16 KVH – 25 KVH - 40 **KVH – 63** CAPACITY TON/KN 16 / 160 25 / 250 40 / 400 60 / 630 Rated Distance mm 1.2 1.6 1.6 2 Stroke Length mm 10 20 30 10 20 30 10 20 30 20 30 No. of Stroke Per 150-150-150-150-150-150-150-150-150-150-150-SPM 600 400 Minute 600 550 550 550 550 550 450 350 650 205 200 220 215 210 265 260 255 325 320 Shut weight 210 mm Slide F.B. 140 158 290 340 mm Face 250 260 420 L.R. 340 mm 50 50 50 Slide Adjustment mm 60 Opening Dia 40 40 50 50 mm in Slide Depth mm 60 75 75 75 Depth of Throat 150 235 270 mm 155 Bolster F.B. mm 290 300 450 520 Surface L.R. 480 500 740 850 mm Bed F.B. 80 80 120 130 mm Opening L.R. 150 150 300 300 mm Dist. Between 275 300 325 350 mm Uprights **Bolster Thickness** mm 60 75 110 120 Main Motor Hp / Kw 3/2.2 5/3.5 7.5/5.5 15 / 11 Kg / Cm2 5.5 5.5 5.5 5.5 Air Pressure

**NOTE:** As day to day improvements are contemplated we reserve the right to change specification/design without prior notice.

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### **Mechanical Shearing Variable Rake Angle**

SHITAL SINCE 1983

High Quality Machines as per ISO standards



Sr.	KAWA	Shear		Capacity ss In mm	Back	Working	Adjustment	Motor	La nath In		l la inké la	Creatinglas
No.	Model No.	Length In mm	M.S UTS 45kgs/mm2	M.S UTS 65kgs/mm2	Gauge Strock	Cycle Minute	Rake Angle	HP/KW	Length In mm A	Width In mm B	mm C	Grounded PIT D
1	20/6	2050	4/6	3/4	750	30-15	1°-2.30°	7.5/5.5	2650	1500	1800	NA
2	20/8	2050	6/8	4/6	750	30-15	1°-2.30°	10/7.5	2650	1600	1900	NA
3	20/10	2050	8/10	6/8	750	25-10	1°-3°	15/11	2700	1700	2150	NA
4	20/13	2050	10/13	8/10	750	25-10	1°-3°	20/15	2800	2050	2150	NA
5	20/16	2050	13/16	10/13	900	16-10	1°-3.30°	25/18.75	2850	2050	2200	NA
6	20/18	2050	16/18	13/16	900	16-10	1°-3.30°	30/22.5	2900	2050	2300	NA
7	20/22	2050	18/20	16/18	900	12-8	1°-3.30°	35/26	2950	2100	2410	NA
8	20/25	2050	3/4	18/20	900	12-8	1°-4°	40/30	3000	2150	2550	300
9	25/6	2050	4/6	3/4	750	25-10	1°-2.30	7.5/5.5	3000	1500	1800	NA
10	25/8	2050	6/8	4/6	750	24-10	1°-2.30°	10/7.5	3000	1600	1900	NA
11	25/10	2050	8/10	6/8	750	20-9	1°-3°	15/11	3000	1700	2150	NA
12	25/13	2050	10/13	8/10	750	14-8	1°-3°	20/15	3200	2050	2200	NA
13	25/16	2050	13/16	10/13	900	14-6	1°-3.30°	25/18.75	3250	2050	2200	NA
14	25/18	2050	16/18	13/16	900	14-6	1°-3.30°	30/22.5	3250	2050	2450	NA
15	25/22	2050	18/22	16/18	900	14-5	1°-3.30°	35/26	3300	2100	2550	300
16	25/22	2050	22/25	18/20	900	13-5	1°-4°	40/30	3350	2150	2550	400
17	25/25	3050	4/6	3/4	750	24-10	1°-2.30°	10/7.5	3600	1500	1850	NA
18	30/8	3050	6/8	4/6	750	24-10	1°-2.30°	15/11	3710	1600	1950	NA
19	30/10	3050	8/10	6/8	750	18-8	1°-3°	20/15	3700	1700	2200	NA
20	30/13	3050	10/13	8/10	750	12-6	1°-3°	20/15	3750	2050	2250	NA
21	30/16	3050	13/16	10/13	900	12-5	1°-3.30°	25/18.75	3800	2050	2450	NA
22	30/18	3050	16/18	13/16	900	12-5	1°-3.30°	30/22.5	3850	2050	2500	250
23	30/22	3050	18/22	16/18	900	12-5	1°-3.30°	35/26	3850	2100	2550	500
24	30/25	3050	22/25	18/20	900	10-4	1°-4°	40/30	3900	2150	2550	660
25	40/6	4050	4/6	3/4	750	24-10	1°-2.30°	10/7.5	4600	1500	1900	NA
26	40/8	4050	6/8	4/6	750	20-10	1°-2.30°	20/15	4650	1600	2050	200
27	40/10	4050	8/10	6/8	750	18-8	1°-3°	30/22.5	4650	1700	2250	300
28	40/13	4050	10/13	8/10	750	12-6	1°-3°	30/22.5	4700	2050	2400	400
29	40/16	4050	13/16	10/13	900	10-4	1°-3.30°	25/18.75	4700	2050	2480	500
30	40/18	4050	16/18	13/16	900	10-4	1°-3.30°	30/22.5	4700	2050	2520	600
31	40/22	4050	18/22	16/18	900	10-4	1°-3.30°	35126	4800	2100	2620	650
32	40/25	4050	22/25	18/20	900	8-3	1°-4°	40/30	4850	2150	2620	730





High Quality Machines as per ISO standards

### **Fixed Rake Angle**

		Thick	ness 🏾			Mot	tor
Model	Length	Ms.	Ss.	Back Gauge	Speed	Kw	Нр
KGH-12/2	1200	2	1	15-600	35	2.25	3
KGH-15/2	1500	2	NCE 1983	15-600	32	2.25	3
KGH-20/2	2000	2	1	15-600	32	2.25	3
KGH-25/2	2500	2	1	15-600	25	2.25	3
KGH-30/2	3000	2	1	15-600	22	2.25	3
KGH-40/2	4000	2	1	15-600	20	2.25	3
KGH-12/4	1200	4 sm	2	25-600	18	3.75	5
KGH-15/4	1500	4	2	25-600	15	3.75	5
KGH-20/4	2000	4	2	25-600	15	3.75	5
KGH-25/4	2500	4	2	25-600	12	3.75	5
KGH-30/4	3000	4	2	25-600	15	5.5	7.5
KGH-40/4	4000	4 sin	2	25-600	12	5.5	7.5

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## **Press Brake Machine**

FRESS BRAKE

**Rear Cylinder Series** 

High Quality Machines as per ISO standards



		Bending	Table	Class	Dam	Open	Closed	Throat	300Ram Sp	eeds mm/s	sec		Over all	Dimen	sions	
Model Nos.	Tonnage Mt	Capacity (In mm) In MS UTS 45 Kg/mm2	Size (In mm)	Clear Passing (In mm)	Ram Strockes (In mm)	Height (In mm)	Height (In mm)	Depth (In mm)	Approcach	Pressing	Return	Motor (KW) HP	Length (In mm)	Width (In mm)	Height (In mm)	Weight (In mm)
KBR 320	30	2 x 2000	125 x 2000	1700	100	280	180	200	30	7	30	(2.5)3	2200	1110	1750	2500
KBR 425	40	2 x 2500	125 x 2000	2000	100	280	180	200	50	6 S	50	(2.5)5	2650	1250	1800	3000
KBR 520	50	3 x 2000	170 x 2000	1500	100	280	180	200	48	6	48	(3.75)5	2200	1300	1825	3000
KBR 525	50	2.5 x 2500 3 x 2500 (32mm "V")	170 x 2500	2000	100	280	180	200	48	6	48	(3.75)5	2700	1300	1825	3500
KBR 625	60	3.15 x 2500	170 x 2500	2000	150	330	180	200	36	5	36	(3.75)5	2700	1400	2050	3700
KBR 825	80	4 x 2500 🤇	170 x 2500	2000	150	350	200	200	28	5	30	(3.75)5	2700	1550	2180	4500
KBR 830	80	3.15 x 3000 4 x 2500	170 x 3000	2500	150	350	200	200	28	5	30	(3.75)5	3250	1550	2180	5000
KBR 1025	100	5 x 2500	170 x 2500	2000	150	350	200	200	38	5	38	(7.5)10	2700	1600	2180	5200
KBR 1030	100	4 X 3000 5 x 2500	170 x 3000	2500	150	350	200	200	38	5	60	(7.5)10	3250	1600	2180	6000
KBR 1230	125	5 x 3000 6 x 2500	220 x 3000	2500	150	350	200	300	30	5	60	(11.25)15	3250	1800	2350	7000
KBR 1240	125	6 x 2500 5 x 3000 4 x 4000	220 x 4000	3000	150	350	200	300	30	5	60	(11.25)15	4250	1800	2350	80
KBR 1630	160	8 x 2500 6 x 3000	220 x 3000	2500	150	350	200	300	30	5	60	(15)20	3250	1850	2450	8800
KBR 1640	160	8 x 2500 6 x 3000 5 x 4000	220 x 4000	3000	150	350	200	300	30	5	50	(15)20	4250	1850	2450	9800
KBR 2030	200	8 x 3000 10 x 2500	220 x 3000	2500	200	410	210	300	20	5	50	(15)20	3250	1900	2500	9500
KBR 2040	200	10 x 2500 8 x 3000 6 x 4000	220 x 4000	3000	200	410	210	300	20	5	350	(15)20	4250	1900	2500	10500
KBR 3030	300	12 x 3000 16 x 2500	300 x 3000	2500	200	410	210	300	19	5	30	(18.75)25	3250	2000	2800	12000
KBR 3040	300	10 x 4000 12 x 3000 16 x 2500	300 x 4000	3000	200	410	210	300	19	5	30	(18.75)25	4250	2000	2800	15000
KBR 4040	400	12 x 4000 16 x 3000 20 x 2500	300 x 4000	3000	250	500	250	300	20	5	40	(30)40	4250	2010	3700	16000
KBR 5040	500	20 x 4000	300 x 4000	3000	250	550	300	300	26	6	46	(37.5)50	4650	2050	3150	27000

## **Front Cylinder Series**

**High Quality Machines** as per ISO standards

			-		-	1	2.	3	
lodel	Capacity	Worktable Length	Pules Distance	Throat Depth	Stroke	Max.Open	Power	Weight	Dimension
YPE	Ton	(mm)	(mm)	(mm)	(mm)	(mm)	(Kw)	(kg.)	L x W x H(mm)
0T/2200	40	2200	1850	230	100	320	5.5	2750	2200 x 1200 x 1910
0T/2500	40	2500	1850	230	100	320	5.5	3000	2500 x 1200 x 1910
0T/2500	50	2500	1850	230	100	320	5.5	3400	2500 x 1200 x 2000
3T/2500	63	2500	1900	250	100	320	5.5	4000	2500 x 1300 x 2210
3T/3200	63	3200	2560	250	100	320	5.5	4800	3200 x 1300 x 2210
DT/2500	80	2500	1990	300	100	320	7.5	5700	2500 x 1400 x 2300
DT/3200	80	3200	2560	320	100	350	7.5	6020	3200 x 1500 x 2300
OT/4000	80	4000	3000	320	100	350	7.5	7000	4000 x 1500 x 2400
00T/2500	100	2500	2020	320	120	320	7.5	6000	2500 x 1600 x 2400
00T/3200	100	3200	2600	320	120	370	7.5	6500	3200 x 1600 x 2600
00T/4000	100	4000	3000	320	120	370	7.5	8000	4000 x 1600 x 2700
25T/3200	125	3200	2580	320	120	370	7.5	6800	3200 x 1600 x 2600
25T/4000	125	4000	3000	320	120	370	7.5	8200	4000 x 1600 x 2700
60T/3200	160	3200	2600	320	200	460	11	11000	3200 x 1700 x 2700
SOT/4000	160	4000	3000	320	200	460	11	12000	4000 x 1700 x 2800
60T/5000	160	5000	4000	320	200	460	11	16500	5000 x 1900 x 3200
50T/6000	160	6000	4940	320	200	460	11	19000	6300 x 1900 x 3200
00T/3200	200	3200	2600	320	200	460	11 🕓	12500	3200 x 1950 x 2800
00T/4000	200	4000	3000	320	200	460	11	13000	4000 x 1950 x 2900
00T/5000	200	5000	4000	320	200	460	11	16500	5000 x 1950 x 3000
00T/6000	200	6000	5000	320	200	460	11	20000	8000 x 1950 x 3300
50T/3200	250	3200	2500	400	250	590	18.5	20000	3250 x 2000 x 3200
50T/4000	250	4000	3000	400	250	590	18.5	23000	4000 x 2000 x 3400
50T/5000	250	5000	4000	400	250	590	18.5	26000	5000 x 2000 x 3400
50T/6000	250	6000	5000	400	250	590	18.5	28000	6000 x 2000 x 3400
0T/3200	300	3200	2530	400	250	590	22	20000	3200 x 2000 x 3450
00T/4000	300	4000	3000	400	250	590	22	24000	4000 x 2000 x 3450
00T/5000	300	5000	4000	400	250	590	22	28000	5000 x 2000 x 3450
00T/6000	300	6000	5000	400	250	590	22	35000	6000 x 2000 x 3450
от/4000	400	4000	3000	400	250	590	30	26000	4000 x 2180 x 3400
0T/5000	400	5000	4000	400	250	590	30	32500	5000 x 2180 x 3500
0T/6000	400	6000	5000	400	250	590	30	37000	6000 x 2180 x 3800
0T/5000	500	5000	4000	400	250	590	45	48000	5050 x 3500 x 3700
00T/6000	500	6000	5000	400	320	590	45	57000	6050 x 3500 x 3700
00T/4000	600	4000	3000	400	320	590	55	45000	4050 x 4500 x 3700
0007/6000	600	6000	5000	400	320	590	55	70000	6050 x 4500 x 3700
0007/6000	800	6000	5000	400	320	590	55	85000	6300 x 4500 x 6000





### **Heavy Duty Slotting Machine**

#### High Quality Machines as per ISO standards



### (Extra Heavy Duty)

MODEL	BHS- 12E	BHS- 14E	BHS- 16E	BHS-18E	BHS-24E	BHS-30E	BHS-36E	BH5-40E
Stroke	12"	14"	16"	18"	24"	30"	36"	40"
Rotary Table	22"	22"	22"	24"	30"	36"	40"	48"
Longitudinal Movement	16"	17"	18"	22"	24"	26"	28"	30"
Cross movement	13"	14"	15"	18"	20"	20"	20"	22"
Cutting Speed of Ram per Minute	20-50- 80	20-50- 80	15-45- 65	15-45-65- 85	15-45-65- 85	15-45-65- 85	15-45-65- 85	15-45-65- 85
Ram Adjustment	16"	17"	18"	20"	22"	24"	24"	26"
Throat Depth	20"	20"	20"	20"	24"	28"	30"	32"
Main Motor Power	3 HP	3 HP	3 HP	5 HP	7. 5 HP	7.5 HP	10 HP	10 HP
Distance from the tool to Main column	18"	18"	20"	22"	24"	26"	28"	30"

### **Heavy Duty Slotting Machine**

### (Heavy Duty)

MODEL	BHS-6	BHS-8	BHS-10	BHS 10-13	BHS-12	BHS-14	BHS-16	BHS-18
Stroke	6"	8"	10"	10 to 13"	12"	14"	16"	18"
Rotary Table	11"	13"	15" SINC	18"	20"	20"	20"	24"
ongitudinal Movement	8"	10"	12"	12"	14"	16"	18"	18"
Cross movement	6"	8"	10"	10"	12"	14"	15"	16"
Cutting Speed of Ram per Minute	60-90	60-90	40-60	40-60	40-60	40-60	20-50-80	20-50-80
am Adjustment	8"	10"		12"	14"	16"	18"	18"
hroat Depth	12"	14"	18"	18"	20"	20"	21"	21"
Main Motor Power	1 HP	2 HP	2 HP	2 HP	2 HP	3 HP	3 HP	3 HP
Distance from the tool to Main column	10"	12"	15"	15"	18"	18"	19"	19"







High Quality Machines as per ISO standards

#### **Providing Engineering Solutions Since 1983**

## **Slotting Machine**

(Standard Model)



Model	BS-150	BS-250
ADJUSTABLE Stroke (mm)	10 to 150	10 to 250
Longitudinal Movement (mm)	200	230
Cross Movement (mm)	110	230
Speed adjustment (Speed)	3	3
Ram Adjustment (mm)	150	250
Motor (HP)	1	1.5
Column to RAM Dist.(mm)	210	330
Table to RAM Dist. (mm)	310	410
Table size (mm)	280x335	280x335
Machine Dimension	1050x550x1175	1150x600x1375
Machine weight (kg)	375	450

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## **Hand Fly Presses**

MAID FRESS

High Quality Machines as per ISO standards

S	Base Guide		Cente Back	er to	Hole	Throug	h Base		Betwe Dogs	en	Dia. of S	Screw	Appr. Weig	ght Kg	IS.	Ram I Depth	Hole dia	ameter	&
ZE					Witho Ring	out	With I	Ring					Complete with		Complete with				
N O	Inch	Appr. mm	Inch	Appr. mm	Inch	Appr. mm	Inch	Appr. mm	Inch	Appr. mm	Inch	Appr. mm	Handle & Ball Wts.	Net	Wheel Grass	Inch	Appr. mm	Inch	Appr. mm
0	4.1/2	114	3	76	1.3/4	44	-	-	2.1/2	64	1.1/2	38	49	40	-	3/4	19	1.1/2	38
1	5	127	3.1/2	89	2	51	2	-	3	76	1.11/16	43	75	66	90	3/4	19	1.1/2	38
2	5.3/4	146	3.3/4	95	2.1/2	64	-	5/1	3.3/4	96	1.11/16	43	109	100	130	3/4	19	1.1/2	38
3	6.3/4	171	4.1/2	114	3	76	1.1/2	38	4.1/2	114	1.7/8	48	150	125	168	1	25	1.1/2	38
4	7.1/4	184	4.3/4	121	3.1/2	89	1.3/4	44	5.1/4	133	1.7/8	48	164	137	188	1	25	1.1/2	38
5	7.3/4	197	5	127	4	102	2	51	6	152	1.7/8	48	247 🤇	220	271	1	25	1.1/2	38
6	9	229	6	152	4.1/2	114	2.1/4	57	7	178	2.5/16	58	301	267	334	1	25	2	51
9	11	280	8	203	7	179	3	75	10	254	3	75		475	550	1.1/4	31.75	2	51
6D	9	229	-	-	4.1/2	114	2.1/4	57	9	228	2.5/16	58	- /	304	405	1	25	2	51



## **Wood Working Machines**

High Quality Machines as per ISO standards

### **Belt & Disc Sander**

Model	J-710
	mm / inch
Sanding belt size	150 x 1220 / 6" x 48"
Sanding disc size	254 / 10"
Spindle (RPM)	1400
Power required - HP/RPM	1 / 1440
Approx. Weight of m/c - kg	50

### **Turning Lathes**



Model	J-921 6ft.	J-931 8ft.
	mm / inch	mm / inch
Length of bed	1825 / 72"	2435 / 96"
Width of bed	215 / 8 1⁄2"	215 / 8 ½"
Height of centers	203 / 8"	203 / 8"
Admit between centers	1220 / 48"	1830 / 72"
Approx. spindle speed - RPM	700 / 1400 / 2800	700 / 1400 / 2800
Face plate diameter	190 / 7½"	190 / 7½"
Power required HP/RPM	1 / 1440	1 / 1440
Approx. wt. of machine - kg.	300	350

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## **Wood Working Machines**

High Quality Machines as per ISO standards

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**SINCE 1983** 

### Jig Saw



Model	J-819	J-820
	mm / inch	mm / inch
Throat depth	610 / 24"	915 / 36"
Cutting capacity	32 / 1¼"	32 / 11/4"
Table size	355 x 305 / 14" x 12"	405 x 355 / 16" x 14"
Approx. Engine speed (RPM)	525 / 625	525 / 625
Power Required - HP/RPM	1 / 1440	1 / 1440
Approx. Weight of machine - kg	75 983	100

## **Band Saw**

Model	J-518	J-524
	mm / inch	mm / inch
Diameter of saw wheels	455 / 18"	610 / 24"
Throat depth	430 / 17"	510 / 20"
Max Cutting Capacity	305 / 12"	405 / 16"
Work table size	555 x 505 / 22" x 20"	685 x 655 / 27" x 26"
Width of saw wheels	50 / 2"	70 / 2.75"
Blade Length	3500 / 138"	4390 / 173"
Speed of Saw wheels (RPM)	500 / 750	750
Power Required HP/RPM	3 / 1440	7.5 / 1440



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Combimax

## **Wood Working Machines**

High Quality Machines as per ISO standards

### Combimax

Model	J-1013	J-1013 L	J-1018	J-1018 LL				
	mm / inch	mm / inch	mm / inch	mm / inch				
Surfacing capacity	330 / 13"	330 / 13"	455 / 18"	455 / 18"				
Max planing width	330 / 13"	330 / 13"	455 / 18"	455 / 18"				
Thicknessing capacity	177 / 7"	177 / 7"	177 / 7"	177 / 7"				
Length Of surface Table	1220 / 48"	1550 / 61"	1550 / 61"	1830 / 72"				
Rebating Capacity	12.5 / ½"	12.5 / ½"	9 / 3⁄8"	9 / ¾"				
Length Of Thickness Table	560 / 22"	710 / 28"	660 / 26"	810 / 32"				
Min. Length of workpiece for thicknessing	254 / 10"	254 / 10"	254 / 10"	254 / 10"				
Feeding Speed (feet per minute)	21	21	21	21				
Cutter block diameter	95 / 3.75"	95 / 3.75"	95 / 3.75"	95 / 3.75"				
Cutter block speed- RPM	4000	4000	4000	4000				
Standard cutter block - code no.	3B	3B	3B <b>-</b> W	3B-W				
Circular saw table size	610x305 / 24" x 12"	610x305 / 24" x 12"	610x305 / 24" x 12"	610x305 / 24" x 12				
Up/Down movement of Cir.saw table	75 / 3"	75 / 3"	75 / 3"	75 / 3"				
Max.circular saw diameter	300 / 12"	300 / 12"	300 / 12"	300 / 12"				
Power required - HP / RPM	3 / 1440	3 / 1440	5 / 1440	5 / 1440				
Approx.wt.of machine - kg.	450	475	600	650				

Model	J-702	J-703
	mm / inch	mm/inch
Surfacing capacity	455 / 18"	610 / 24"
Vax planing width	455 / 18"	610 / 24"
hicknessing capacity	200 / 8"	200 / 8"
ength Of surface Table	1550 / 61"	1550 / 61"
Rebating Capacity	12.5 / ½"	12.5 / ½"
ength Of Thickness Table	760 / 30"	915 / 36"
Vin. Length of workpiece for thicknessing	254 / 10"	254 / 10"
eeding Speed (feet per minute)	24	24
Cutter block diameter	120 / 4.72"	120 / 4.72"
Cutter block speed- RPM	4000	4000
Standard cutter block - code no.	3B-W	3B-W
Circular saw table size	610 x 355 / 24" x 14"	610 x 355 / 24" x 14"
Jp/Down movement of Cir.saw table	75 / 3"	75 / 3"
/lax.circular saw diameter	300 / 12"	300 / 12"
Power required - HP / RPM	5 / 1440	5 / 1440
Approx.wt.of machine - kg.	700	850

### **Combiplaner-S**

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## **Wood Working Machines**

SHITAL SINCE 1983

High Quality Machines as per ISO standards

## **Combiplaner-S(Open Stand)**



Model	J-302	J-303	J-303 L
	mm / inch	mm/inch	mm/inch
Surfacing capacity	254 / 10"	330 / 13"	330 / 13"
Max planing width	254 / 10"	330 / 13"	330 / 13"
Thicknessing capacity	177 / 7"	177 / 7"	177 / 7"
ength Of surface Table	1140 / 45"	1220 / 48"	1550 / 61"
Rebating Capacity	12.5 / ½"	12.5 / ½"	12.5 / ½"
ength Of Thickness Table	610 / 24"	660 / 26"	660 / 26"
Vin. Length of workpiece for hicknessing	254 / 10"	254 / 10"	254 / 10"
Feeding Speed (feet per minute)	24	24	24
Cutter block diameter	95 / 3.75"	95 / 3.75"	95 / 3.75"
Cutter block speed- RPM	4000	4000	4000
Standard cutter block - code no.	2B	3B-W	3B-W
Circular saw table size	560 x 280 / 22" x 11"	560 x 280 / 22" x 11"	560 x 280 / 22" x 11"
Jp/Down movement of Cir.saw able	75 / 3"	75 / 3"	75 / 3"
Max.circular saw diameter	300 / 12"	300 / 12"	300 / 12"
Power required - HP / RPM	2 / 1440	3 / 1440	3 / 1440
Approx.wt.of machine - kg.	280	320	350

### Adjustable Circular Saw J-533

		End alles
Model	J-533	With Contraction of the
	mm / inch	
Max. Circular saw dia. x Bore	200 x 15.87 / 8" x 5%"	
Max. depth of cut	50 / 2"	
Table tilt - degree	45	
Work table size	455 x 355 / 18" x 14"	
Circular saw speed (RPM)	3000	
Power required HP / RPM	1 / 1440	
Approx. wt. of machine - kg.	50 983	

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### **Tilting Arbour Circular Saw**



Model	J-634
	mm / inch
Max. Circular saw dia. x Bore	355 x 25.4 / 14" x 1"
Max. depth of cut	114 / 4½"
Arbour tilt - degree	45°
Work table size	915 x 785 / 36" x 31"
Size of dust collection port - Dia,	100 / 4"
Circular saw speed (RPM)	4000
Power required - HP / RPM	3 / 1440
Approx. Weight of machine - kg.	330



Model	J-534	J-535	J-536
	mm / inch	mm / inch	mm / inch
Max. Circular saw dia. x Bore	305 x 25.4 / 12" x 1"	455 x 25.4 / 18" x 1"	610 x 31.75 / 24" x 1 ¼"
Max. depth of cut	89 / 31⁄2"	140 / 51⁄2"	190 / 71⁄2"
Table tilt - degree	45°	45°	45°
Work table size	660 x 560 / 26" x 22"	915 x 610 / 36" x 24"	1015 x 635 / 40" x 25"
Circular saw speed (RPM)	4000	4000	3500
Power required HP / RPM	3/1440	5/1440	5/1440
Approx. wt. of machine - kg.	175	225	275

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