



Transforming Transactions into Trust

Siddhapura machines



An ISO 9001:2015 Certified Company



WHO WE ARE...

It gives SIDDHAPURA MACHINES an immense pleasure to introduce ourselves as one of the leading Indian manufacturers of Machine Tools especially different types of Radial and Pillar Drilling Machines & Milling Machine in various capacities.

We have been in this industry for over 46 years and have served customers with necessary machines and guidance. After achieving mastery and benefited from 100% customer satisfaction in the field of manufacturing high precision Radial & Pillar Drilling Machines, to satisfy the increasing demand from our existing valuable customers our parent company The SIDDHAPURA GROUP of Industries, Bhavnagar sowed the seeds of a new venture M/s SIDDHAPURA MACHINES in 2012 to manufacture No. 2 Heavy Duty All Geared Milling Machine & 40 mm capacity Heavy Duty All Geared Radial Drilling Machine which are one of their kind in the segment in Rajkot, Gujarat.

Having profound knowledge and veteran in the Machine Tools, we have a phenomenal team of leading experts and determined engineers. The team together has built a wide range of all the types of Radial and Pillar Drilling Machines & Universal Milling Machine as a virtual master piece and each machine incorporates the very latest and avant-grade technology in Machine Tools. We ensure & monetarize quality at every stage of production by using finest cast iron and various alloy steels to maintain machine's long-term accuracy.

Quality Products from

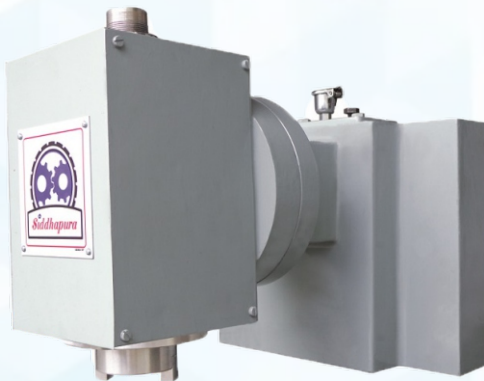

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No.2 All Geared Universal Milling Machine

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Machine Features:

- ✦ Made from high quality fine grain cast iron and rigidly built with reinforcement ribbing for least distortion.
- ✦ Centralised splash lubrication system for continuous lubrication to all the rotating elements of head stock.
- ✦ Main spindle, gears & spline shafts are made of superior quality Manganese-Chromium and EN series alloy steel, duly harden and ground finish.
- ✦ Separate motor & gearbox for longitudinal auto feed system.



Particulars	SM-2U
TABLE	
Working surface	1100 x 280 mm or 1400 x 280 mm
No. T-Slot & Size	3 & M-12
Distance between T slots	70 mm
Table swivel	±45°
RANGE	
Longitudinal feed (Auto)	580 mm
Longitudinal feed by hand	625 mm
Cross feed by hand	225 mm
Vertical feed by hand	350 mm
Max. safe weight on the table	300 kg
SPINDLE	
Spindle arbour	25.4 mm
Spindle nose taper	ISO-40
Distance from spindle to table (Max. / Min.)	0 - 275 mm
Throat distance with vertical head	270 mm
No. of spindle speeds	9
Range of spindle speeds	60 to 1000 RPM
FEED	
No. of longitudinal feeds	6 step or stepless with VFD drive
Range of longitudinal feeds	10, 16, 25, 46, 71, 111 mm/min or step less 0 to 600 mm/min
POWER	
Spindle motor	2.0 HP / 1440 RPM / 440 v / 50 Hz
Table feed motor	0.5 or 1.0 HP / 1440 RPM / 440 v / 50 Hz
Coolant pump	0.15 HP / 2800 RPM / 440 v / 50 Hz
STANDARD ACCESSORIES	Electrical motors, Control panel, Long milling arbour with bushes, Centralized lubrication system
OPTIONAL ACCESSORIES	Vertical milling attachment, DRO system, Milling vice, Collets, Collet adapter, Coolant system, Machine lamp, Stub milling arbour.

Machine Features:

- ✦ Machine body of MEHANITE "M" cast iron construction.
- ✦ Induction harden & ground X & Y slideways.
- ✦ Harden & ground top table.
- ✦ Turcite B coating on X & Y slideways.
- ✦ Harden & ground spindle
- ✦ Pre-loaded double nuts ensure smooth movement, precision working & minimum backlash.

Standard Accessories:

- ✦ 2 Axis DRO for X & Y Axis
- ✦ X Axis Auto Power feed box
- ✦ Control Panel
- ✦ Base Splash Guard
- ✦ 150mm Swivel Base Vice
- ✦ ISO 30 Adaptor with set of Collets
- ✦ 13mm Keyless Drill Chuck with shank
- ✦ Micro Boring Head with Shank
- ✦ 52 Pcs Clamping Kit
- ✦ Halogen Machine Lamp
- ✦ Centralised lubrication systems
- ✦ Set of Bellows
- ✦ Tool Kit with Box
- ✦ Instruction Manual

Optional Accessories:

- ✦ Auto power feed box for Y & Z axis



Particulars	Specification (4KS)
MODEL	4KS
Table Size	1270 mm x 254 mm
T Slots (No./width)	3 / 16 mm
Travels X/Y/Z	700 / 400 / 400 mm
Ram travel	590 mm
Spindle taper	ISO-30
Quill Travel	127 mm
Distance Spindle to Table	430mm
Distance Spindle to Column	700 mm
Spindle Speeds (Low)	66 to 2270 RPM
Spindle Speeds (High)	130 to 4540 RPM
No. of Power Feeds	3
Range of Power Feeds	0.04/0.08/0.05 mm/rev
Head Movement (L to R)	90°
Head Tilt Front & Back	45°
Max. Table Load Capacity	330
Motor	3
Dimensions (L x W x H)	1670 x 1690 x 2090 mm

Drilling Cum Milling Machine

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Machine Features:

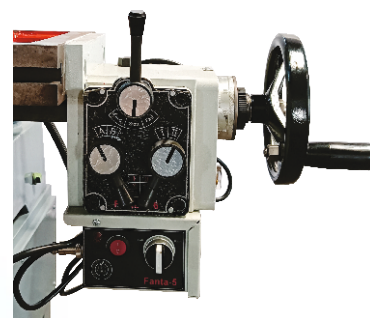
- Machine is specially designed for tool-room, die manufacturing and key way generation.
- Main spindle is made from EN series alloy steel, externally & internally grinded with 6 slot spline.
- In built fine feed attachment for quill travel.
- Auto feed facility for X axis is also available.

Standard Accessories:

- Collet-Adapter
- Motor Pulley
- Drill Drift key
- Hand Fine Feed attachment
- Fabricated base stand

Optional Accessories:

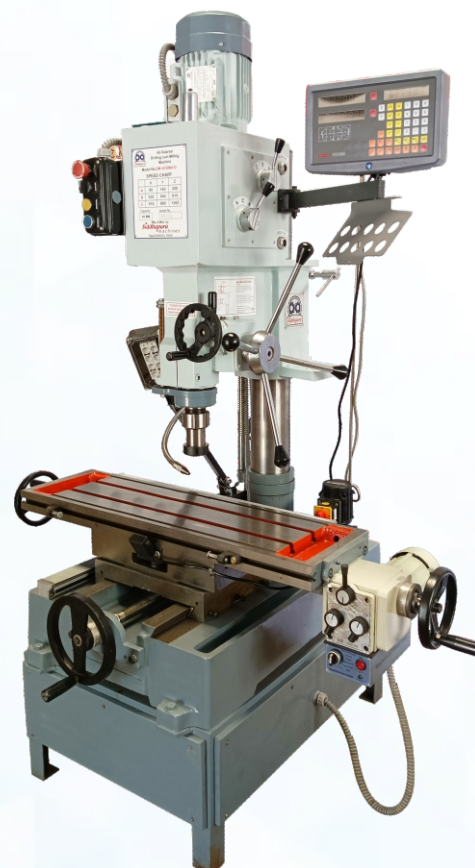
- Electric motor
- R & F switch
- V-Belt
- Drill chuck with Arbour
- X-Axis Auto feed Attachment
- Coolant pump with Tank and Fittings
- Drill Vice
- Milling Vice
- Machine Lamp



Auto Feed Gearbox



SM-40/DMU



SM-40/DMU/G

Particulars	SM-40/DMU	SM-40/DMU/G
Drilling Capacity (MS)	40mm	40mm
Face Milling	60mm	60mm
End Milling	25mm	25mm
Tapping Capacity	M - 32	M - 32
Spindle Travel	170mm	170mm
Column Dia.	114mm	114mm
Spindle Nose	MT-4	MT-4
Working Surface	725mm x 250mm 875 mm x 250 mm	725mm x 250mm 875 mm x 275 mm
Distance from Spindle centre to Column surface	280mm	280mm
Max. Distance from Spindle nose to Table Surface	555mm	555mm
No. & Range of Spindle speeds	8 & 100 to 2100 RPM	9 & 80 to 1265 RPM
Longitudinal travel (Manual)	350mm	350mm
Cross travel	300mm	300mm
Vertical travel of Head	550mm	550mm
Overall Height with Guard	1850mm	1850mm
V-Belt section	B-59	NA
Power Supply	1.5 HP, 3PH, 1440 RPM	1.5 HP, 3PH, 1440 RPM

Machine Features:

- ✦ All the major components are made in-house at our factory on highly precise mother machineries under strict quality control.
- ✦ Main spindle is made from superior quality EN steel. External & internal grinding process on the spindle ensure precise & true running.
- ✦ All the rotating elements are mounted on precise anti frictional bearings.



SER - I & II



SER-I Hand Fine Feed



SER-II Auto Power Feed

Particulars	SMR - 25	SER - I & II
CAPACITY		
Drilling (in MS)	25 mm	38 mm
Tapping (in MS)	M-20	M-25
DRILL HEAD		
Spindle nose	MT-3	MT-4
Spindle travel	200 mm	220 mm
No. of spindle speed	8	8
Range of spindle speeds (RPM)	100 - 2600	62 - 1980
Spindle feeding	Hand fine feed	SER-I: Hand Fine Feed SER-II: 2 Auto feeds 0.08- 0.04 mm/rev.
POWER		
	HP & V-Belt	HP & V-Belt
Main head motor	1.0 hp & B-40	1.5 hp & B-46
Arm elevating motor	0.5 hp & A-24	0.5 hp & A-23
WORKING TABLE		
L x W x H	250 x 200 x 200 mm	380 x 300 x 300 mm
	-	500 x 380 x 350 mm
WORKING RANGE		
Drilling radius - Max. / Min.	720 / 400 mm	895 / 440 mm
Max. / Min. Distance from spindle to column surface	670 / 370 mm	810 / 360 mm
Max. Drill head travel	295mm	450 mm
Max. / Min. Distance from spindle nose to base plate	820 / 200 mm	930 / 230 mm
Diameter of column	130 mm	165 mm or 180 mm
Swivel of arm L/R side	90°	90° or Fixed
BASE PLATE		
L x W x H	970 x 615 x 130 mm	1250 x 750 x 150 mm
Working surface	620 x 500 mm	820 x 610 mm
No. of T Slots	(3) M16	(4) M16
Overall height	1820 mm	2000 mm
STANDARD ACCESSORIES		
2 nos. Motor pulleys, Drill drift key		
OPTIONAL ACCESSORIES		
Box Table, V-Belts, Electric motors, R & F switches, Coolant pump, Drill chuck with arbour, Reduction sleeve set, Drill Vice		

All Geared Single Column Radial Drilling Machines

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Machine Features:

- ✦ Made from high quality fine grain cast iron and rigidly built with reinforcement ribbing for least distortion.
- ✦ Centralised lubrication system with in-built rotary oil pump inside drilling head for all the rotating elements.
- ✦ Main spindle, gears and shafts are made from superior quality Mn-Cr & EN alloy steel and duly harden & ground finish.

Standard Accessories:

- ✦ Electric Motors
- ✦ Control Panel
- ✦ Drill Drift key

Optional Accessories:

- ✦ Box Table
- ✦ Coolant Pump
- ✦ Drill Chuck with Arbour
- ✦ Reduction Sleeve Set
- ✦ Drill Vice



Particulars	SER – 40 A/F
CAPACITY	
Drilling (in MS)	40 mm
Tapping (in MS)	M-25
DRILL HEAD	
Spindle nose	MT-4
Spindle travel	220 mm
No. of & Range of spindle speeds (RPM)	9 & 80 - 1265
Spindle feeding	SER-40/F: Hand Fine Feed SER-40/A: 2 Auto feeds 0.08- 0.04 mm/rev.
POWER	
Main head motor	1.5 hp / 440 v / 50 Hz / 1440 RPM
Arm elevating motor	0.5 hp / 440 v / 50 Hz / 1440 RPM
WORKING TABLE	
L x W x H	380 x 300 x 300 mm 500 x 380 x 350 mm
WORKING RANGE	
Drilling radius - Max. / Min.	895 / 440 mm
Max. / Min. Distance from spindle to column surface	810 / 360 mm
Max. Drill head travel	450 mm
Max. / Min. Distance from spindle nose to base plate	930 / 230 mm
Diameter of column	180 mm
Swivel of arm L/R side	Fixed
BASE PLATE	
Working surface	820 x 610 mm
No. of T Slots	(4) M16
Overall Dimension	1250 x 750 x 2000 mm

All Geared Double Column Radial Drilling Machine



Machine Features:

- ✦ Made from high quality fine grain cast iron and rigidly built with reinforcement ribbing for least distortion.
- ✦ Main spindle, gears and spline shafts made from superior quality alloy steel such as 20MnCr5, EN-19 & EN-24 and duly harden & grinded.
- ✦ Double row angular contact & taper bearing arrangement in spindle assembly for smooth and precise drilling.
- ✦ Equipped with mechanical slip clutch for spindle-direction changeover.

Standard Accessories:

- ✦ Complete electrical with motors, wiring, switchgears operated control panel and push button type operating panel.
- ✦ Coolant pump with pipe and discharge arrangements.
- ✦ LED machine lamp.

Optional Accessories:

- ✦ Working box table.
- ✦ Morse taper reduction sleeves.
- ✦ Key-less & key type drill chuck and arbour.
- ✦ Precision drill vice.

Particulars	SR-4
Capacity in Mild Steel	
Drilling	40 mm
Tapping	M-27
Drill Head	
Spindle Nose Taper	MT-4
Quill Rem Diameter	60 mm
Spindle Travel	220 mm
No. Spindle Speeds & Range	12 & 56 to 2800 RPM
No. Quill Feeds \$\\&\$ Range	6 & 0.032 to 0.315 mm/rev
Working Range	
Column Diameter	225 mm
Drill/Tap Radius (Max./Min.)	900 / 345 mm
Distance from Column Surface to Spindle Centre (Max./Min.)	800 / 232 mm
Distance from Spindle Nose to Base (Max./Min.)	950 / 240 mm
Vertical Traverse of Radial Arm	650 mm
Horizontal Traverse of Drill Head	600 mm
Swing of Radial Arm	360°
Base	
Working Surface	1000 x 800 mm
Height	150 mm
No. T-slots / Size / Centre Distance	4 / M-16 / 135 mm
Working Table	
Working Surface (L x W)	500 x 400 mm
Height	400 mm
Power	
Main Head Motor	2.0 HP / 440 V / 50 Hz
Arm Elevating Motor	1.0 HP / 440 V / 50 Hz
Coolant Pump Motor	0.15 HP / 440 V / 50 Hz
Overall Dimensions	
Machine Size (L x W x H)	1550 x 900 x 1835 mm
Wooden Case Size (L x W x H)	1700 x 1050 x 1900 mm

All Geared Double Column Radial Drilling Machine

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Standard Accessories:

- ✦ Complete electrical with motors, wiring, switchgears operated control panel and push button type operating panel.

Optional Accessories:

- ✦ Working box table.
- ✦ Morse taper reduction sleeves.
- ✦ Key-less & key type drill chuck and arbour.
- ✦ Precision drill vice.
- ✦ Coolant pump with pipe and discharge arrangements.
- ✦ LED machine lamp.



SER-50/1350

Particulars	SER-50/1350	SER-60/1700
Capacity		
Drilling (M.S.)	50mm	60mm
Tapping (M.S.)	30mm	45mm
Drilling Head		
Spindle Taper	MT-5	MT-5
Spindle Travel	320	340
No. of Speed	8	8 or 16
Range of Speed	30 to 1300 RPM	30 to 1300 RPM
No. of Spindle Feeds	6	6 or 9
Range of Spindle Feeds	0.06 to 0.50 mm/rev	0.06 to 0.5 mm/rev
Electricals		
Power Supply	3ph, 415V, 50Hz	3ph, 415V, 50Hz
Main Motor	3 HP	5 HP
Arm Elevating Motor Power	1 HP	2 HP
Coolant Pump Motor Power	0.15 HP	0.15 HP
Working Range		
Column Dia.	255	350 mm
Drilling Radius Max./Min.	1325/445	1700/500
Distance from Column to Spindle Centre Max./Min.	1200/320	1525/325
Distance from Spindle Nose to Base Max./Min.	1210/400	1500/550
Vertical Traverse of Radial Arm	800	850
Horizontal Traverse of Drill Head	880	1200
Swing of Radial Arm	360°	360°
Working Surface (L x W)	1220 x 770 mm	1500 x 900 mm
Box Tabe Size	600x500x500 mm	900x600x600 mm
Clamping system	Manual or Hydraulic	Hydraulic
Dimensions		
Base Dimension (L x W x H)	1750 x 950 x 220 mm	2260 x 1080 x 230
No. of T-Slot	4	4
Overall Dimensions (L x W x H)	1850x1000x2450	2450x1120x3000

Imported All Geared Double Column Radial Drilling Machine



Machine Features:

- ✦ Made from high quality fine grain cast iron and rigidly built with reinforcement ribbing for least distortion.
- ✦ Hydraulic clamping system for spindle head, arm elevation and rotation.
- ✦ Main spindle, gears and spline shafts are made of superior quality Nickel Chromium & EN series alloy steels, duly harden and ground finish.
- ✦ Centralized lubrication system with rotary pump for continuous lubrication to all the rotating elements of drilling head.
- ✦ Easily accessible front panel for all the electrical and mechanical controls.

Standard Accessories:

- ✦ Complete Electrical
- ✦ Hydraulic clamping system
- ✦ Coolant Pump with fittings
- ✦ Machine Lamp

Optional Accessories:

- ✦ Box Table
- ✦ Drill Vice
- ✦ Drill Chuck with Arbour
- ✦ Reduction Sleeve Set

Particulars	RD-50/1600
Drilling Capacity (in Mild Steel)	50 mm
Distance Between Spindle Axis & Column (Min. - Max.)	350 - 1600 mm
Distance Between Spindle Nose & Surface of Base plate (Min. - Max.)	320 - 1220 mm
Vertical Travel of Radial Arm	580 mm
Travel of Spindle Head along Arm	1250 mm
Column Diameter	350 mm
Spindle Diameter	79 mm
Spindle Travel	315 mm
Spindle Taper	MT - 5
No. of & Range of Spindle Speeds	16 & 25-2000 RPM
No. of & Range of Quill Feeds	16 & 0.04-3.20 mm/rev.
Size of Work Table	630 x 500 mm
Main Motor Power	4 kW / 5hp
Arm Elevation Motor Power	1.5 kW / 2hp

Pillar Drilling Machines

Machine Features:

Every single component of machine is produced in-house at our factory on highly precise mother machinery, under strict quality control at every manufacturing & assembly lines.

- ✦ **External & internal ground finish** ensures precise & true running of spindle.
- ✦ Main spindle is made of superior quality **EN Steel**.
- ✦ Gears are made of premier quality materials and teeth formed in-house on **Gear Hobbing machine**.
- ✦ All the revolving components are mounted on **precision anti-friction bearings**.
- ✦ Primary as well as essential parts are **ground finish**.



SM-P/4



SM-P/25

Particulars	SM-P/4	SM-P/25	SM-P/32
Drilling Capacity (MS)	20mm	25mm	32mm
Tapping Capacity	M-16	M-20	105mm
Spindle Travel	130mm	170 or 250mm	250mm
Column Dia.	74mm	92mm	104mm
Spindle Nose	MT-2	MT-3	MT-4
Spindle centre to column surface	200mm	250mm	350mm
Spindle Nose to table surface	550mm	650mm	650mm
Spindle Nose to Base surface	900mm	950 mm	970mm
No. & Range of Spindle Speeds	8 - 85 to 3200 RPM	8 - 75 to 1970 RPM	8 & 75 to 1970rpm
Table size	270mm x 270mm	330mm x 330mm	400 x 400 mm
Base size (Machined Area)	245mm x 440mm	365mm x 580mm	Fixed
Overall Height with guard	1420mm	1730mm	465 x 730 mm
V-Belt section	A-42	B-52	B-64
Power Supply	0.5 HP 3 Phase 1440 RPM	1.0 HP 3 Phase 1440RPM	1.5 HP 3 Phase 1440RPM
Standard Accessories	Motor pulley & Drill drift key		
Extra Accessory	Electric motor, R & F switch, V-Belt, Coolant pump with tank, Drill vice, Machine lamp, Drill Chuck with arbour.		

Pillar Drilling Machines



SM-P/40



SM-P/40/AG

Particulars	SM-P/40	SM-P/40/AG
Drilling Capacity (MS)	40mm	40mm
Tapping Capacity	M-25	M-25
Spindle Travel	220mm	250mm
Column Dia.	120mm	130mm
Spindle Nose	MT-4	MT-4
Spindle centre to column surface	380mm	315mm
Spindle Nose to table surface	650mm	785mm
Spindle Nose to Base surface	970mm	1150 mm
No. & Range of Spindle Speeds	8 - 75 to 1970 RPM	9 - 95 to 1500 RPM
Quill Feeding	Hand Fine Feed	Hand Fine Feed & Auto
No. & Auto feed range	NA	2 & 0.04 - 0.08 mm/rev.
Table size	400mm x 400mm	545 mm dia.
Base size (Machined Area)	245mm x 440mm	450mm x 600mm
Overall Height with guard	1730mm	2490mm
V-Belt section	B-67	All Geared
Power Supply	1.5 HP 3 Phase 1440 RPM	2.0 HP 3Phase 960 RPM
Standard Accessories	Motor pulley & Drill drift key	Complete electrical with motor, starter with wiring & drill drift key
Optional Accessories	Electric motor, R&F switch, V-belt, Drill Chuck with arbour, Drill vice, Coolant system	Drill Chuck with arbour, Drill vice, Coolant system

The manufacturer reserves the rights to modify, design, specifications & mechanisms to improve the performance of the machine without prior notice.

Marketed by:



Manufactured by:

Siddhapura
machines
(SIDDHAPURA GROUP)
Rajkot, Gujarat (INDIA)