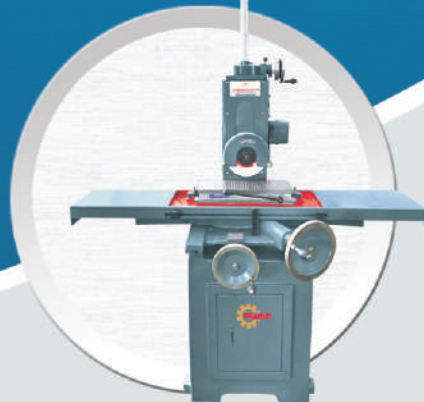




**Manual
Surface
Grinders**

**Manual/Automatic
Surface Grinders
with Servo Drives**

**Hydraulic
Surface
Grinders**



Accurate
&
Sturdy

GURU ARJAN MACHINE TOOLS.

Faridabad

About Company

Guru Arjan Machine Tools (GAMT) have developed different sizes of Hydraulic Surface Grinders incorporating modern techniques and highly sophisticated technical features, the gadgets depicted on these pages have a number of advantages and the techniques employed in manufacturing these gadgets ensure absolutely vibration-free and noiseless working. The grinding accuracy on the machine is guaranteed and all controls of the machine are within the easy reach of the operator.

All the machines are built of heavy duty cast iron, tempered which further ensures absolutely vibration-free service and every care has been taken to fabricate each and every part incorporated in the machine precisely so as to enable the machine to achieve its maximum accuracy, which is invariably expected for a grinding machine.

GAMT's technical personnel possess an ample experience in manufacturing Grinding Machines. Progressive gearing technology and precision machined components ensure minimum of replacement through wear. Precised engineering and simple easily accessible controls mean time saving and accurate operation, smooth & long lasting operational life.

All the machines are being produced based on the manufacturers' long experience and continuous research and products an intergrate plant through vigilant and rigid inspection with a great care to pay constant attention to spare parts supply and after sale-service to its valued customers.

Range

Hydraulic Surface Grinders

Manual/Automatic

Surface Grinders with Servo Drives

Manual Surface Grinders

Hydraulic Surface Grinders

MY 1022, K 1020, SGH 1224, MY 1224

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



TECHNICAL SPECIFICATION

	UNIT	MY 1022	K 1020	SGH-1224	
SIZE	mm	250 x 500	250 X 500	300 x 600	
Machining Range	Grinding Length x Width (Max)	mm	500 x 250	600 x 300	
	Max spindle centre from table surface	mm	480	480	
	Magnetic chuck (LxW)	mm	500 X250	500 X250 (IMPORTED)	500 x 250 (INDIAN)
	Weight Carry Capacity	Kgs	150	175	180
Table Movement	Max longitudinal travel	mm	560	600	
	Max cross travel	mm	275	275	
	T Slot (No x width)	mm	1 x 14	1 x 14	
Longitudnal Movement	Max Table Speed	M/Min	5 - 25	5 - 25	
Cross Movement	Auto cross feed at each table reversal	mm/stroke	0.1-2.5	0.1-2.5	
	Manual feed Rate per Turn	mm	5	5	
	Least Count of Handwheel	mm	0.025	0.025	
	Power Cros Traverse	mm/Mln	600	600	
Vertical Movement	Manual feed Rate per Turn	mm	2.5	2	
	Least Count of Handwheel	mm	0.01	0.01	
	Power Elevation (Rapid Positioning)	mm/min	Manual (Z Rapid On request)	Manual (Z Rapid On request)	
Grinding Head	Speed of grinding spindle	rpm	2800	2800	
	Size of grinding wheel (OD x width x ID)	mm	200 x 20 x 31.75	200 x 20 x 31.75	
Hydraulic System	Hydraulic Tank Capacity	Liters	80	80	
	Hydraulic Power Pack Motor	HP	2 (1400 RPM)	2 (1400 RPM)	
	Working pressure	kg/cm ²	20	20	
Motors	Spindle Motor	HP	2HP, 2800 RPM	2HP, 2800 RPM	
	Hydraulic Motor	HP	2 HP , 1400 RPM	2 HP , 1400 RPM	
	Coolant Motor	W	120 3Ø	120 3Ø	
	Cross feed Motor	W	80 WDC	80 WDC	
	Z Rapid	W	-	-	
	Auto Lubrication / Manual	W	Manual (Auto on Request)	Auto 120W / 3Ø	
	Total Power	HP	4.5	4.5	
Input Power Source		415 VAC, 3 Phase	415 VAC, 3 Phase		
Machine Size	Dimensions (L x W x H)	mm	1900 x 1380 x 1720	1900 x 1550 x 1780	
	Approx weight	kg	1000	1200	
Warranty	On Machine	month	12	12	
	On controls	month	12	12	

Standard Accessories

Item	Qty.
Grinding Wheel	1 No
Flange Extractor	1 No
Wheel Balancing Arbor	1 No
Grinding Wheel Flange	1 No
Diamond Dresser	1 No
Work Lamp	1 No
Lube Unit(Manual)	1 No
Tool Box With Tools	1 No

Hydraulic Surface Grinders

K 1224, 4080 AH, 50100 AH

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



	MY 1224	K 1224	4080 AH	50100 AH
	300 x 600	300 x 600	400 x 800	500 x 1000
	600 x 300	600 x 300	800 x 400	1000 x 500
	530	400	480	570
	600 x 300 (IMPORTED)	600 x 300 (IMPORTED) Electro Magnet on request	800 x 400 (Electro Magnet)	1000 x 500 (Electro Magnet)
	200	250	300	400
	700	700	820	1050
	360	365	465	565
	1 x 14	1 x 14	3 x 14	3 x 14
	5 - 25	5 - 25	5 - 20	5 - 20
	0.1-2.5	0.1-2.5	0.1-2.5	0.1-2.5
	5	5	5	5
	0.025	0.025	0.025	0.025
	600	600	600 (through AC Servo Motor)	600 mm (Through AC Servo Motor)
	2.5	2	2	2
	0.01	0.01 (Micro feed 0.002)	0.01 (Micro feed 0.002)	0.01(0.002 with micro feed)
	Z Rapid - 600	Z Rapid 600	Z Rapid 600	Z Rapid 600
	1400	1400	1400	1400
	300 x 25 x 76.2	355 x 32 x 127	355 x 32 x 127	355 x 32 x 127
	80	80	100	100
	2, (1400 RPM)	2 (1400 RPM)	3 (1400 RPM)	3 (1400 RPM)
	20	20	20	20
	3 (1400 RPM)	3 (1400 RPM)	5 (1400 RPM)	7.5 (1400 RPM)
	2, (1400 RPM)	2 (1400 RPM)	3 (1400RPM)	3 (1400 RPM)
	120 3Ø	120 3Ø	120 3Ø	120 3Ø
	80 W DC	80 W DC	750 W AC Servo Motor	750 W, AC Servo Motor
	120W, 3Ø AC	120W, 3Ø AC	375 W, AC, 3Ø	375 W, AC, 3Ø
	Manual (Auto on Request)	Auto 120W / 3Ø	Auto 120W / 3Ø	Auto 120W / 3Ø
	5.5	5.5	10	12.5
	415 VAC, 3 Phase	415 VAC, 3 Phase	415 VAC, 3 Phase	415 VAC, 3 Phase
	1900 x 1780 x 1900	1800 x 1850 x 1850	2750 x 2150 x 1900	2700 x 2250 x 2100
	1325	1850	3300	4300
	12	12	12	12
	12	12	12	12

Product Features

1	Cross Travel Through	DC Motor Drive & Ball Screw	Imported Imported
2	Longitudinal Travel Through	Direction Control Valve	Steed, Taiwan
3	Spindle Power Pack	Motor	Bharat Bijlee Ltd
4	Casting	Imported	Grade 25
5	Bed Guideways	Turcite Coated	For Low Friction
6	Hydraulic Power Pack	Hydraulic Vane Pump Pr. Relief Valve- DPR 10s Pr Gauge, 0-70 Kg/cm2 Return line Filter Suction Strainer Oil Level Gauge	Hydrank, Taiwan Polyhydron Mass/Micro Hydroline Hydroline Hydroline

Product Features

1	Cross Travel Through	Servo Motor Drive With Gearbox Ball Screw	Delta Taiwan Hiwin, Taiwan
2	Longitudinal Travel Through	Direction Control Valve	Steed Taiwan
3	Spindle Power Pack	Motor	Bharat Bijlee Ltd
4	Casting	Imported	Grade 25
5	Bed Guideways	Turcite Coated	For Low Friction & Durability
6	Hydraulic Power Pack	Hydraulic Vane Pump Pr. Relief Valve- Dpr 10s Pr Gauge, 0-70 Kg/cm2 Return line Filter Suction Strainer Oil Level Gauge	Hydrank, Taiwan Polyhydron Mass / Micro Hydroline Hydroline Hydroline

Manual/Automatic Surface Grinders with Servo Drives

SD714, SD914, SD918, SD1020, SD1224, SD1628

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



Specifications

	UNIT	SD 714	SD 914	SD918	SD 1020	SD 1224	SD 1628
Working Surface of Table	mm	175 x 350	225 x 350	225 x 450	250 x 500	300 x 600	400 x 700
Max Height from Table to Grinding Wheel	mm	175	275	275	275	275	275
Vertical Feed Least Count	mm	0.01	0.01	0.01	0.01 (0.002 with Micro Feed)	0.01 (0.002 with Micro Feed)	0.01 (0.002 with Micro Feed)
Cross Feed Least Count	mm	0.05	0.05	0.05	0.05	0.05	0.05
Spindle Speed	RPM	2800	2800	2800	2800	2800	2800
Size of Grinding Wheel (OD x width x ID)	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	200 x 13 x 31.75	200 x 13 x 31.75
Magnetic Chuck (L x W)	mm	150 x 300	200 x 300	200 x 450	200 x 500	250 x 500	300 x 600
Electric Motors	Spindle	HP	1	1, 3 phase	1, 3 phase	2, 3 Phase	2, 3 Phase
	Cross	W	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo
	Longitudinal	W	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo	750 W, AC Servo
	Coolant	W	Manual	Manual	Optional	120 W	120 W
Net Weight (Approx.)	Kgs	700	800	900	1050	1250	1300

Standard Accessories

Item	Qty.
Grinding Wheel	1 No
Flange Extractor	1 No
Wheel Balancing Arbor	1 No
Grinding Wheel Flange	1 No
Diamond Dresser	1 No
Work Lamp	1 No
Lube Unit(Manual)	1 No
Tool Box With Tools	1 No

Manual Surface Grinders

714, 914, 918, 1020, 1224, 1628

Manufactured to exact tolerance :

PARALLELISM

Longitudinal axis : 0.010/300mm

Cross axis : 0.010/300mm

Vertical axis : 0.01/300

SQUARENESS

X-Y-Z axis

0.010/300mm

FLATNESS

0.010/300mm

SPINDLE RUN OUT

0.010



Specifications

	Unit	714	914	918	1020	1224	1628
Working Surface of the Table	mm	175 x 350	225 x 350	225 x 450	250 x 500	300 x 600	400 x 700
Max. Height from Table to Grinding Wheel	mm	175	275	275	275	275	275
Vertical Feed Least Count	mm	0.01	0.01	0.01	0.002	0.002	0.002
Cross Feed Least Count	mm	0.05	0.05	0.05	0.05	0.05	0.05
Spindle Speed	R.P.M.	2800	2800	2800	2800	2800	2800
Size of Grinding Wheel	mm	175x13x31.75	200x13x31.75	200x13x31.75	200x20x31.75	200x20x31.75	200x20x31.75
Magnetic Chuck	mm	150 x 300	200 x 300	200 x 450	200 x 500	250 x 500	300 x 600
Electric Motor	HP RPM	1 / 3 Phase 3/4 HP 2800	1 / 3 Phase 1HP 2800	1 / 3 Phase 1/1.5 2800	2 / 3 Phase 2 HP 2800	2 / 3 Phase 2 HP 2800	2 / 3 Phase 2 HP 2800
Diamond Dresser	Cr.	0.5	0.5	0.5	0.5	0.5	0.5
Wheel Balancing Stand	--	One	One	One	One	One	One
Net Weight (Approx.)	Kgs.	650	750	850	1000	1150	1250

• illustrations and specifications are subject to change without notice.



GURU ARJAN MACHINE TOOLS.

Northern Indian Complex, PLOT No. 8-C, Sector-5,
20/3, Mathura Road, Faridabad-121006, Haryana.

Mobile : 9811041171, 9810509901, 9873104610

E-mail : guruarjanmachinetools@gmail.com

Website : www.guruarjanmachinetools.com