

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	500 X250	600 x 300
	Max spindle centre from table surface	mm	480	480	350
	Magnetic chuck (LxW)	mm	500 X250	500 X250	500 x 250
	Weight Carry Capacity	Kgs	-	(IMPORTED) 175	(INDIAN) 180
Table Movement	Max longitudinal travel	mm	560	600	600
	Max cross travel	mm	275	275	340
	T Slot (No x width)	mm	1 x 14	1 x 14	1 x 14
Longitudnal Movement	Max Table Speed	M/Min	5 - 25	5 - 25	5 - 25
Cross Movement	Auto cross feed at each table reversal	mm/stroke	0.1-2.5	0.1-2.5	0.1-2.5
	Manual feed Rate per Turn	mm	5	5	5
	Least Count of Handwheel	mm	0.025	0.025	0.025
	Power Cros Traverse	mm/Mln	600	600	600
Vertical Movement	Manual feed Rate per Turn	mm	2.5	2	2.5
	Least Count of Handwheel	mm	0.01	0.01	0.01
	Power Elevation (Rapid Positioning)	mm/min	Manual (Z Rapid On request)	Manual (Z Rapid On request)	Manual (Z Rapid On request)
Grinding Head	Speed of grinding spindle	rpm	2800	2800	2800
	Size of grinding wheel (OD x width x ID)	mm	200 x 20 x 31.75	200 x 20 x 31.75	200 x 20 x 31.75
Hydraulic System	Hydraulic Tank Capacity	Liters	80	80	80
	Hydraulic Power Pack Motor	HP	2 (1400 RPM)	2 (1400 RPM)	2, (1400 RPM)
	Working pressure	kg/cm ²	20	20	20
Motors	Spindle Motor	HP	2HP, 2800 RPM	2HP, 2800 RPM	2, (2800 RPM)
	Hydraulic Motor	HP	2 HP , 1400 RPM	2 HP , 1400 RPM	2, (1400 RPM)
	Coolant Motor	W	120 3Ø	120 3Ø	120 3Ø
	Cross feed Motor	W	80 WDC	80 WDC	80 W DC
	Z Rapid	W	-	-	-
	Auto Lubrication / Manual	W	Manual (Auto on Request)	Auto 120W / 3Ø	Manual (Auto on Request)
	Total Power	HP	4.5	4.5	4.5
Input Power Source		415 VAC, 3 Phase	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	1900 x 1780 x 1900
	Approx weight	kg	1000	1200	1280
Warranty	On Machine	month	12	12	12
	On controls	month	12	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

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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)	800 x 400	1000 x 500
	200	Electro Magnet on request	(Electro Magnet)	(Electro Magnet)
	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

duct Features

Cross Travel Through	DC Motor Drive & Ball Screw	Imported Imported
Longitudinal Travel Through	Direction Control Valve	Steed, Taiwan
Spindle Power Pack	Motor	Bharat Bijlee Ltd
Casting	Imported	Grade 25
Bed Guideways	Turcite Coated	For Low Friction
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