

# Hydraulic Surface Grinders

SGS 818, SGS 1020,  
SGS 1224, SGS 1230, SGS 1640

Brand Available: Satguru Machine Tools (SGMT).

## Features :

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



16

Specifications			SGS 818	SGS 1020	SGS 1224	SGS 1230	SGS 1640
CAPACITY	Overall table working area	mm	460 x 200	500 x 250	600 x 300	750 x 300	1000 x 400
	Longitudinal table travel	mm	510	575	660	780	1120
	Cross feed table travel	mm	250	280	370	320	450
	Distance spindle center to table	mm	530	535	540	480	580
	Table load including magnetic chuck	Kgs.	150	300	420	420	750
	T-slot	mmxN	1x14	1x14	1x14	1x10	3x14
TABLE & CROSS FEED	Longitudinal table speed	m/min	5-25	5-25	5-25	3-20	5-25
	Cross feed on hand wheel	1 gra. mm	0.02	0.02	0.02	0.02	0.02
		1 rev. mm	5	5	5	5	5
	Auto cross feed per stroke	mm	0.5-12	0.5-12	0.5-12	0.5-12	0.5-12
	Power cross feed	50HZ mm/min	780	790	790	790	790
Table guideway		V and flat way	V and flat way	V and flat way	V and flat way	V and flat way	
GRINDING WHEEL	Wheel dimension	mm	200x25x31.75	200x25x31.75	355x40x127	300x30x75	355x40x127
	Spindle speed	50 HZ	2850	2850	1450	1450	1450
VERTICAL MOVEMENT	Vertical on hand wheel	1 gra. mm	0.005/0.002	0.005/0.002	0.004/0.001	0.004/0.001	0.004/0.001
		1 rev. mm	2	2	2/0.5	.001	2/0.5
	Auto down feed elevation (AHD)	mm	0.002-0.02	0.002-0.02	0.005-0.025	0.005-0.025	0.005-0.025
MOTOR	Spindle motor	KW	1.5	1.5	4	2.2	5.5
	Power elevation motor	KW		90	90	0.120	90
	Hydraulic motor	KW	1.5	1.5	1.5	2.2	2.2
	Coolant motor	W	90	90	90	0.40	90
	Cross feed motor	W	60	60	90	0.80	90
DIMENSION	mm	1800x1400x1800	2100x1800x1800	2600x2500x1830	2030x1600x1400	3800x2000x1872	
NET WEIGHT	Kgs.	1300	1680	1800	2000	3320	

17