

Specifications:

MODEL	SG-618	SG-618-2A	SG-820-2A	SG-618-2AN	SG-820-2AN
CAPACITY					
Maximum grinding length	18.5"	19.7"	21.7"	19.7"	21.7"
Maximum grinding width	6.3"	5.9"	8.7"	5.9"	8.7"
Max distance: table to spindle center	15.7"	15.7"	15.7"	15.7"	15.7"
TABLE					
Working surface (W x L)	6" x 18.3"	6" x 18.3"	8" x 20"	6" x 18.3"	8" x 20"
Maximum longitudinal travel	18.9"	21.6"	23.6"	21.6"	23.6"
Maximum cross travel	7"	7"	9.25"	7"	9.25"
FEED					
Hydraulic feed		3.3-82 ft/min	3.3-82 ft/min	3.3-82 ft/min	3.3-82 ft/min
Hand feed per revolution (longitudinal)	2.7 in/rev				
Hand feed per revolution (cross)	0.2 in/rev				
Graduation of hand wheel (cross)	0.0008"	0.0008"	0.0008"	0.0008"	0.0008"
Hand feed per revolution (vertical)	0.04 in/rev				
Graduation of hand wheel (vertical)	0.0001"	0.0001"	0.0001"	0.0001"	0.0001"
CROSS MOVEMENT OF TABLE					
Intermittent feed		0.006-0.4"	0.006-0.4"	0.006-0.4"	0.006-0.4"
Hand feed		0.2 in/rev	0.2 in/rev	0.2 in/rev	0.2 in/rev
Continuous transverse feed		47.2 in/min	47.2 in/min	47 in/min	47 in/min
SPINDLE AND WHEEL					
Spindle motor	1.5 HP	1.5 HP	2 HP	1.5 HP	2 HP
Spindle speed	3,600 rpm	3,600 rpm	3,420 rpm	3,600 rpm	3,420 rpm
Grinding wheel outside diameter	8"	8"	8"	8"	8"
Grinding wheel bore	1.25"	1.25"	1.25"	1.25"	1.25"
Grinding wheel width	0.63"	0.63"	0.5"	0.63"	0.5"
GENERAL					
Hydraulic motor	1 HP				
Floor space (W x H x L)	83" x 40" x 48"	83" x 51" x 80"	83" x 59" x 78"	83" x 51" x 71"	83" x 59" x 78"
Net weight (approximately)	1,500 lbs	2,200 lbs	2,540 lbs	2,100 lbs	2,600 lbs

* Power foundation and environmental controls are required.

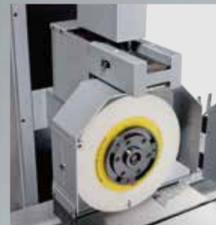
Optional Accessories



Wheel Dresser



Coolant with Filter System



Auto wheel Dresser

Other optional accessories include: permanent magnetic chuck, electro-magnetic chuck with control, spare wheel adapter, coolant system, dust collector, magnetic separator, balance stand, splashguard and digital readout system.*

* Please check with your sales representative for details about each model optional accessories.



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SURFACE GRINDERS
SG Series



Automatic Surface Grinders with NC Downfeed

- Working Surface from 6" x 18.3" to 8" x 20"

Features:

- Automatic table feed and cross feed.
- Accurate slot grinding by using saddle locking system and cross feed ball screw.
- Advanced hydraulic system with independent oil tank for vibration-free table.
- Double V ways for cross travel, one V and one flat ways for longitudinal travel.

Model SG-618-2AN/SG-820-2AN

- Travel from 7" x 21.6" to 9.25" x 23.6"
- Hydraulic table movement
- Touch screen NC downfeed control



- Touchscreen interface.
- NC downfeed control with MPG.

SG-820-2AN
Automatic Surface Grinder
with NC Downfeed



Automatic Surface Grinders

- Working Surface from 6" x 18.3" to 8" x 20"
- Hydraulic table movement

Features:

- Automatic table feed and cross feed.
- Accurate slot grinding by using saddle locking system and cross feed ball screw.
- Advanced hydraulic system with independent oil tank for vibration-free table.
- One V and one flat ways for longitudinal travel; both ways are hand-scraped and covered with Turcite B coating.
- Double-nut backlash eliminator.

Model SG-618-2A/SG-820-2A

- Travel from 7" x 21.6" to 9.25" x 23.6"
- Downfeed increments as low as 0.00005"

SG-618-2A
Automatic Surface Grinder



Manual Surface Grinder

- Working Surface 6" x 18.3"
- Wire rope table movement

Features:

- Accurate slot grinding by using saddle locking system.
- One V and one flat ways for longitudinal travel; both ways are hand-scraped and covered with Turcite B coating.
- Double-nut backlash eliminator.
- Lead screws are hardened and grounded for durability.

Model SG-618

- Travel 7" x 18.9"
- Spindle runout accuracy of 0.0001"

SG-618
Manual Surface Grinder

