SURFACE GRINDERS

USG SERIES



A surface grinding machine from **U.S. Industrial** gives metal fabricators and manufacturers the best value by delivering precision, rigidity, and reliability at a highly competitive price point. These grinders provide exceptionally smooth, accurate finishes on flats and critical surfaces, thanks to their stable construction, precise spindle systems, and easy-to-control table movements. U.S. Industrial surface grinders excel at holding tight tolerances, improving part consistency, and reducing secondary finishing work, which boosts shop efficiency. Their user-friendly operation, durable build quality, and long service life make them ideal for tool rooms, production environments, and fabrication shops that need dependable accuracy without overspending.

USG Series – Surface Grinders

Specifications

Model#	USGS618A-S	USGS618S-SD	USG1022-SY	USGS1224-SY	USGS1632-SY
Two Axis Readout Included					
Type of Operation	All Manual	Electric Recirocation and Electric Crossfeeed	Hydraulic reciprocation and Electric Crossfeed	Hydraulic reciprocation and Electric Crossfeed	
Slideway Type	V-Type Rail with Ball Track	V-Type Rail with Ball Track	Double V-Type Rail	Double V-Type Rail	
Machine Lube System	One -Shot Manual	One -Shot Manual	Part of Hydraulic System	Part of Hydraulic System	
Table Reciprocation	Manual Handwheel	Electric Drive Table and Crossfeed	Hydraulic	Hydraulic	
Wheelhead Movement (Up/Down)	Manual Handwheel	Manual Handwheel	Manual Handwheel	Handwheel and Power Elevation	
Wheelhead Dial Graduation	.0002"	.0002"	.0002"	.0004"	
Magnetic Chuck Size	5.9" x 15.75"	5.9" x 15.75"	9.8" x 19.7"	11.8" x 23.6"	
Pole Spacing of Magnetic Chuck	.125"	.125"	.125"	.090"	
Maximum Table/Cross Travel	18" x 7"	18" x 7"	22" x 10.2"	24.8" x 12.6"	
Cross Dial Graduation	.005"	.005"	.005"	.005"	
Grinding Wheel Supplied	7" x 1/2" - 1.25" Hole	7" x 1/2" - 1.25" Hole	8" x 3/4" - 1.25" Hole	12" x 1.25" - 3" Hole	
Distance Under Wheel to Chuck	7.5"	7.5"	10"	11.5"	
Wheel Balancing Arbor Base	Included	Included	Included	Included	
Over Wheel Diamond Dresser	No - Table Dresser	Included	Included	Included	
Spindle RPM	3,360	3,360	3,360	1,680	
Spindle Horsepower	2HP	2HP	2HP	3HP	
Hydraulic System	N/A	N/A	2HP - 21 Gallons	3HP - 27 Gallons	
Coolant Pump Tank Size	40 Watt - 9 Gallons	40 Watt - 9 Gallons	40 Watt - 9 Gallons	40 Watt - 9 Gallons	
Electrical	220 or 440, 3 phase	220 or 440, 3 phase	220 or 440, 3 phase	220 or 440, 3 phase	
Full Laod Amperage 220/440v	4/2	6/3	20/10	20/10	
Weight	1,690 lbs	1,690 lbs	2,300 lbs	3,400 lbs	
Shipping Dimensions LWH	40" x 45" x 70"	40" x 45" x 70"	48" x 66" x 73"	56" x 72" x 76"	

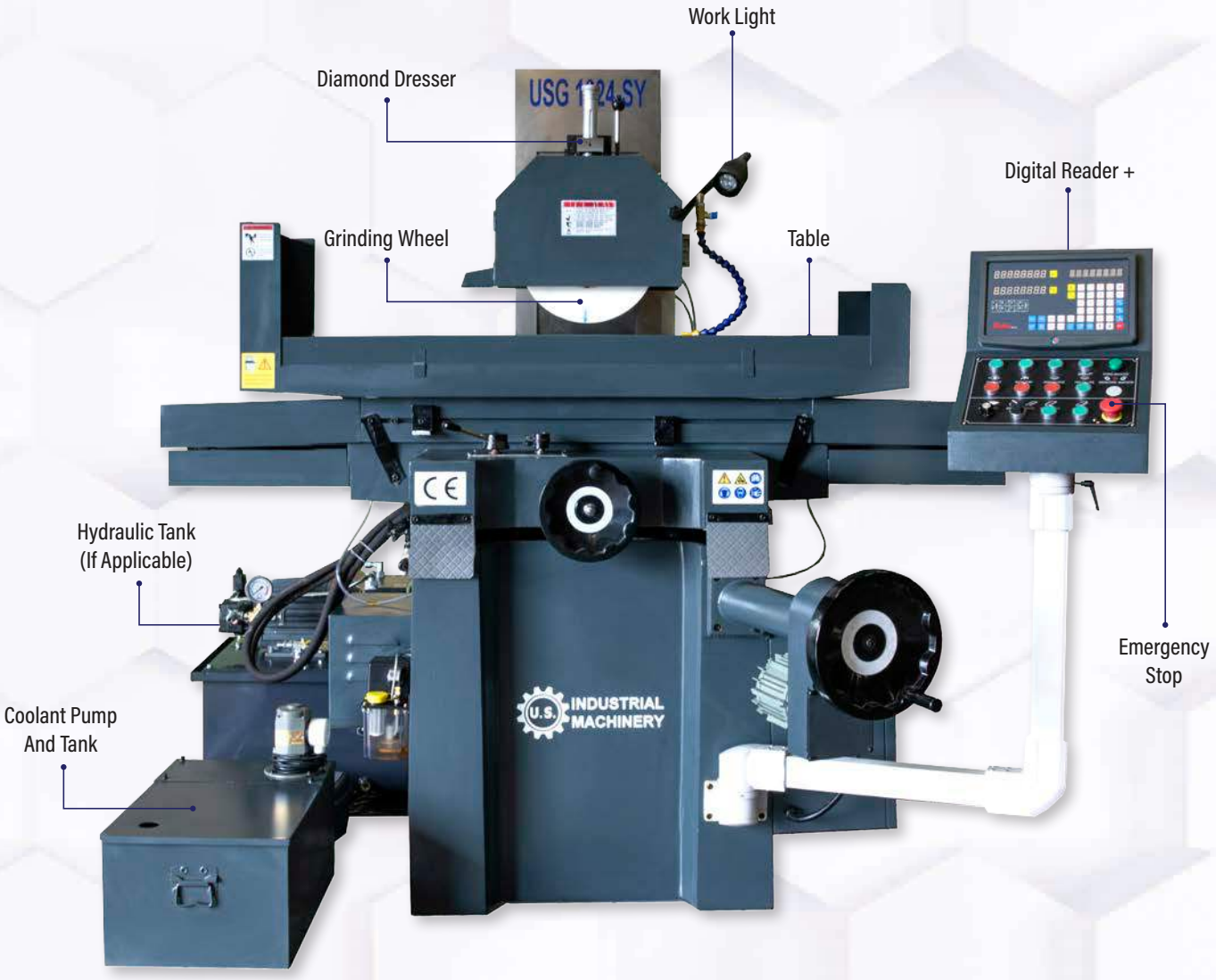
Standard and Optional Equipment



Standard Equipment Included on All Models

- Permanent magnetic chuck
- Grinding wheel
- Digital readout
- Emergency stop on controller
- Balancing base and arbor
- Over-wheel diamond dresser
- Manual one-shot lubrication system
- Wheel flange
- Coolant system
- Toolbox and tools
- Hydraulic tank (models USG1022-SY and USG1224-SY)

Standards That Drive Performance



Resources

USG SERIES – SURFACE GRINDERS

MACHINE OVERVIEW VIDEO

U.S. INDUSTRIAL MACHINERY

120 Webster Ave, Memphis, TN 38126

P.O. Box 2098, Memphis, TN 38101

800-860-1850

901-527-8671