

U. S. INDUSTRIAL MACHINERY

P.O. Box 2098 Memphis, TN 38101
 Phone Number: (800) 860-1850 Fax Number: (901) 526-2339
www.usindustrial.com

Thank you for the opportunity to quote. We are pleased to offer the following equipment for your consideration:

NEW – U.S. Industrial Model USG1224-SY TOOLROOM SURFACE GRINDER as configured below:

Description: This is a medium duty toolroom Surface Grinder with hydraulic reciprocation of table and electric power with increment setting for crossfeed. There is power elevation to spindle. Grind depth is manually set by operator. This is a TWO-AXIS Automatic Surface Grinder

Standard Equipment:

- | | |
|---|-------------------------------|
| Grinding wheel | Wheel flange |
| Balancing base and arbor | Toolbox and tools |
| Over wheel dresser w/diamond | Coolant system |
| Manual one-shot lube | Sino Two-axis digital readout |
| Permanent Magnetic Chuck: 11.8" x 23.6" | |

- | | |
|--|--------------|
| Model USG1224-SY..... | \$ 18,990.00 |
| Semi Fine Pole Permanent Chuck, 11.8" x 23.6"..... | Included |
| Wet coolant system..... | Included |
| Sino two axes DRO installed..... | Included |
| Hydraulic reciprocation of table..... | Included |
| Electric motorized crossfeed..... | Included |
| Power elevation to spindle..... | Included |
| Overwheel (Parallel) diamond dresser..... | Included |

TOTAL PRICE.....F.O.B. Memphis, TN.... \$ 18,990.00

Voltage is 220 or 440 Volts, 3 phase, customer choice.

Options:

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|---|----------|
| Extra general purpose factory grinding wheel..... | \$ 42.00 |
| Extra wheel flange..... | \$ 95.00 |

MAIN SPECIFICATIONS

- | | |
|---|----------------------------|
| Parallelism & Flatness Accuracy: | <0.0008" |
| Max. Travel (Longitudinal x Cross): | 24.8" x 12.6" |
| Max. Distance Spindle Center To Table:..... | 20.5" |
| Max Grinding Wheel (ODxTxID):..... | 300mm x 76.2mm x 30mm |
| (Supplied with one 12" x 1-1/4" grinding wheel) | (12" x 3" x 1.25") |
| Grinding Wheel speed:..... | 1680 rpm |
| Spindle Motor:..... | 3 HP |
| Hyd. unit Motor..... | 3 HP |
| Machine weight..... | 3,400 lbs (Gross Shipping) |
| Dimension, crated for shipping..... | 56"W x 72"L x 76"T |



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Page 2 – USG1224-SY Surface Grinder



Detail showing permanent magnetic chuck, over wheel diamond dresser, 2-axis digital readout display, flood coolant nozzle



Detail of manual fine adjustment of downfeed with 0.0004" graduations. Wheelhead Elevation Motor shown.

Detail showing electrical cabinet, with disconnect and fuse holders.



Detail showing control panel with reciprocation and electric motor table crossfeed control selection. Also with motorized wheelhead elevation.



Thank you for the opportunity to quote. We look forward to serving you.

Sincerely,

U. S. Industrial Machinery