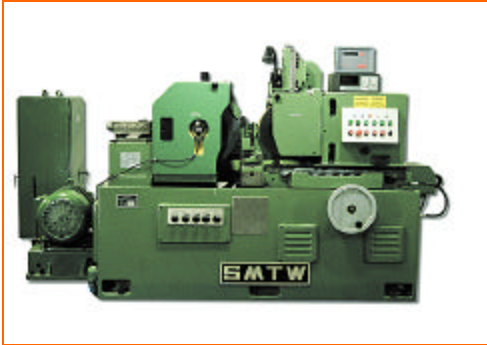


# CENTERLESS GRINDERS

## M10200

8" DIAMETER



### STANDARD EQUIPMENT

- Wrench Set
- Leveling Wedges
- Operational & Maintenance Manual
- Service and Spare Parts Kit
- Through Feed Power Part Guide
- Work Piece Injector
- Diamond Dresser
- Wheel Balancing Stand & Arbor
- Complete U.S. Standard Electrics
- Grinding Wheel Hook Dismantling Unit
- Workrest Plunge / Through
- Magnetic Separator
- Paper Filter System
- Flood Coolant System
- Work Light (low voltage)
- Spare Bearings/ Reg. & Grinding Wheels

### OPTIONAL ACCESSORIES

- 1). DIGITAL READ-OUT SYSTEM
- 2). VARIABLE SPEED DRIVE
- 3). AUTOMATIC WHEEL BALANCE UNIT
- 4). IN-PROCESS GAUGING SYSTEMS
- 5). AUTOMATIC LOADING SYSTEMS
- 6). HALOGEN WORK BULB REPLACEMENT
- 7). MANUAL PAPER FILTRATION SYSTEM
- 8). COOLANT FILTRATION SYSTEM
- 9). AUTOMATIC PAPER FILTRATION SYSTEM
- 10). WARRANTY EXTENSION

### CAPACITY

- LENGTH : 11.4 max in.
- CENTER HEIGHT : 11.4 in. from worktable
- MAXIMUM WORKLOAD : 100 lbs. (infeed)
- NET WEIGHT : 22,046 lbs.
- DIMENSIONS : 144.5 x 61.3 x 67.7 in. (LxWxH)
- DIAMETER : 0.39 min / 8.0 max in. limited by workrest
- LENGTH : continuous

### (INFEED)

:

### (THROUGH FEED)

:

### GRINDING WHEEL

- HORSE POWER : 40 hp
- WHEEL SIZE : 24 x 12 x 12 in. (DxWxB)
- WHEEL SPEED : 1,100 rpm
- SURFACE SPEED : 6,801 sfm
- SPINDLE TAPER : 1:5 taper
- DRESSER UNIT : variable hydro feed / template forming
- DRESS SWIVEL : 1 axis / + or - 3 deg.
- SPINDLE BEARING : twin grip / 5 shoe hydrodynamic

### REGULATING WHEEL

- RAPID TRAVEL : 30ipm
- HANDWHEEL/REV : .0005 in.
- HANDWHEEL/DIV : .04 in.
- MAXIMUM TRAVEL RP : 0.8 / 0.9 in.
- MAXIMUM TRAVEL HW : 10.6 in.
- OIL RESERVOIR : 6.5 gal. - 60 ISO viscosity grade
- HORSE POWER : 4 hp. (DC)
- WHEEL SPEED : 12 - 200 rpm / variable
- VERTICAL SWIVEL : -2 deg / +5 deg
- HORIZONTAL SWIVEL : -2 deg / +3 deg
- WHEEL SIZE : 15.7 x 15 x 8.86 in.
- SPINDLE BEARING : Twin Grip / 5 Shoe hydrodynamic
- DRESSER UNIT : variable hydro feed / template forming
- DRESS SWIVEL : -2 to +5 deg.

### HYDRAULIC SYSTEM

- FLOW RATE : 5.2 gpm.
- PRESSURE : 241 to 284 psi (working) 14/21 psi
- RESERVOIR : 35 gal.
- HORSE POWER : 1.5 hp

### COOLANT SYSTEM

- HORSE POWER : 0.75 hp
- FLOW : 26 gpm
- PRESSURE : 50 psi
- RESERVOIR : 200 gal.

### ACCURACIES (PERMISSIBLE DEVIATION)

- ROUNDNESS : 0.0008 in.
- CYLINDRICITY : 0.0001 in.
- REPEATABILITY : 0.00004 in.

### POWER VOLTAGE

- VOLTAGE : 220 Volt 3 Phase 60 hz
- TOTAL KVA : 48 kva
- CURRENT AMPS : 150 amps