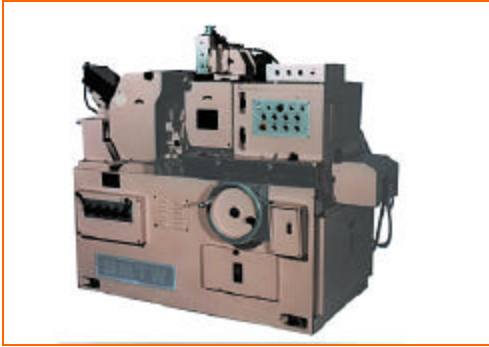


CENTERLESS GRINDERS

M1050A

2" DIAMETER



STANDARD EQUIPMENT

- 2 Diamond Dressers
- Service Spare Parts Kit
- Operational & Maintenance Manual
- Leveling wedges
- Loading & Delivery Chutes
- 3 Work Blades for Dia. .07 - 2.0 (Infeed)
- 3 Work Blades for Dia. .2 - 2.0 (Thru)
- Wrench Set
- Wheel Balancing Stand & Arbor
- Work Light (low voltage)
- Wheel Extractor & Hoister
- Infeed Workrest w/ Workpiece Ejector
- Through Feed Workrest
- Wheel Hub
- Flood Coolant System w/ Pump
- Complete U.S. Standard Electrics
- 6 Shims for Workrests

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

DIAMETER : 0.28 min / 2.0 max in. limited by workrest
LENGTH : 4.8 max in.
CENTER HEIGHT : 8.66 in. from worktable
MAXIMUM WORKLOAD : 10 lbs. (infeed)
NET WEIGHT : 6,167 lbs.
DIMENSIONS : 83.5 x 97.6 x 58.2 in. (LxWxH)
DIAMETER : 0.2 min / 2.0 max in. limited by workrest
LENGTH : continuous

(INFEED)

:

(THROUGH FEED)

:

GRINDING WHEEL

HORSE POWER : 14.75 hp
WHEEL SIZE : 16 x 6 x 8 in. (DxWxB)
WHEEL SPEED : 1,668 rpm
SURFACE SPEED : 6,855 sfm
RAPID TRAVEL : 30 ipm
SPINDLE TAPER : 1:5 taper
DRESS SWIVEL : 1 axis / + or - 3 deg.
SPINDLE BEARING : cantilever type / 5 shoe hydrodynamic
DRESSER UNIT : variable hydro feed / template forming

REGULATING WHEEL

HANDWHEEL/REV : 0.016 in.
HANDWHEEL/DIV : 0.0001 in.
MAXIMUM TRAVEL RP : 0.07 in. / 0.13 in.
MAXIMUM TRAVEL HW : 4.0 in.
OIL RESERVOIR : 3 gal - 60 ISO viscosity grade
HORSE POWER : 2 hp. (DC)
WHEEL SPEED : 20 - 200 rpm / variable
VERTICAL SWIVEL : -2 deg / +5 deg
HORIZONTAL SWIVEL : -1 deg / +3 deg
WHEEL SIZE : 12 x 6 x 5 in. (DxWxB)
SPINDLE TAPER : 1:5 taper
SPINDLE BEARING : cantilever type / bushing and angular ball bearings
DRESS SWIVEL : 2 axis / 1st -2 to +5 / 2nd -3 to +3 deg

HYDRAULIC SYSTEM

PRESSURE : 114/128 psi (working) 14/21 psi (lubrication)
RESERVOIR : 30 gal - 32 ISO viscosity grade
HORSE POWER : 1.5 hp

COOLANT SYSTEM

FLOW : 5.2 gpm
HORSE POWER : 0.12 hp
FLOW : 13 gpm
PRESSURE : 25 psi
RESERVOIR : 35 gal.

ACCURACIES (PERMISSIBLE DEVIATION)

ROUNDNESS : 0.000078 in
CYLINDRICITY : 0.00011/3.5 in
REPEATABILITY : 0.00005 in.

POWER VOLTAGE

VOLTAGE : 220 volt 3 phase 60 hz
TOTAL KVA : 30 kva
CURRENT AMPS : 60 amp