



Minster PM3-200-60 "Piece Maker III" Two Point, Progressive Die Press

New 1990
NPA Stock #PM3-027272P



Photos of similar machine

Press Specifications:

- 200 U.S. Tons Capacity (1780 kN)
- 1.25 in. Stroke (32 mm)
- 3.00 in. Slide Adjustment (76mm)
- 15.00 in. Shutheight, SDAU, on Bolster (381 mm)
- 7.00 in. Thick Cast Iron Bolster Plate (180 mm)
- 57.00 x 25.00 in. Slide (1448 mm x 635 mm)
- 60.00 x 39.00 in. Bed/Bolster Area (1524 mm x 991 mm)
- 52.00 x 15.00 in. Opening in Bed (1321 x 381 mm)
- 45.00 in. Distance, Floor to Top of Bed (1143 mm)
- 62.00 in. Between Gibs (1581 mm)
- 19.00 in. Upright Opening (483 mm)
- 0 – 550 SPM (full energy @ 275 spm)
- 50 HP, 1500 RPM Drive Motor (37.28 kW)
- 415 VAC, 50 hz, 3 ph incoming power
- Vibro/Dynamics free standing press mounts
- 28,350 lbs. Approximate Press Weight (12,859 kg)

Equipped With:

- Flywheel Type
- Right hand drive with extension on opposite end
- Minster Hydraulic Operated Clutch and Brake
- Frame of cast four-piece tie rod construction
- Drip troughs cast integral with bed
- Minster "Monitorflow" recirculating oil lubrication system
- Hydraulic locking arrangements on each connection screw
- Barrel type power operated slide adjustment arranged for detachable air operated wrench
- Eight adjustable bronze lined hydrostatic gibs
- Minster integral dynamic balancing unit located inside of press crown which will permit operating up to full speed without being bolted down. Balancing unit is based on upper die weight of 1100 lbs. (499 kg)

Note: All specifications contained herein are as the machine was originally manufactured and are subject to change at time of inspection.

Price, Ex Works, Spain: Price On Request

Contact:

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Minster Centralized Motor and Clutch Control Panel

- NEMA Type 12 Enclosure built to ANSI B11.1 1982 and NFPA # 79
- Main Panel contains:
 - Press Clutch Control Circuit
 - Fused disconnect
 - Size # 3 Magnetic Reversing Starter
- Setup Units Include:
 - Motor Control Units
 - Motor On Pilot Light
 - Lube Fault light
 - Clutch Selector Switch to select:
 - Inching
 - Setup Cycle
 - Continuous Operation Inching
 - Setup Cycle
 - Continuous Operation
- Basic Operator Buttons Include:
 - Two Hand inching
 - Guarded Run Buttons
 - Continuous "Arm/Ready" Illuminated Button
 - Top Stop Button
 - Stop Control Button
- Additional Stop Buttons located:
 - RH Front Upright
 - RH Rear Upright
 - LH Rear Upright
- Additional Two Hand Inch Stations and Stop Control Button located on front of press bed below bolster
- Minster 16 Pole Programmable Limit Switch. Includes:
 - Auto Top Stop Function
 - Stroke Position Indicator
 - Actual Press Speed
 - Press Stopping Time
 - Motion Detector
- Monitored Dual Hydraulic Clutch Valves with dump valves and checking unit to prevent press operation in the event of a valve failure
- Preset starting speed @ 150 SPM. Includes:
 - Slow down through eddy current brake on drive motor
 - Automatic press slow start and preset inch speed @ 150 SPM
- Eight-digit, high speed lock reset parts counter w/digital readout
- Two (2) die check receptacles in Top Stop circuit
- Barrier guard receptacle on front and rear of press
- Clutch circuit, motor control circuit, and pushbuttons operate on 110 VAC from control transformer which has a minimum of 100vA extra capacity for machine lighting
- Electric Oil Heater System. Includes:
 - Dual Oil Heaters
 - Current Sensing Relay
 - Necessary switches, relays, contactors, and indicator lights to perform oil heat functions
 - Semi-automatic Timer for Preset-Auto and pre-heat oil prior to press startup
- 50 HP, 1500 RPM, 50 cycle Eddy Current Drive
 - Clutch Portion is open frame
 - Motor portion is TEFC "T" Type
 - Tachometer
 - Minster Excitation Unit
 - Remote Speed Indicator
 - Torque Limit Control
 - Eddy current brake and controller