Nidec
PRESS & AUTOMATION

Minster NTCH-25 "Hevi-Notcher"

New 2012

Nidec Press & Automation Stock #100259P

Photo of similar machine

Press Specifications:

Force × Distance off Bottom: .....28 ton x 0.0787 in.
Maximum Lam. Blank Thickness: .....0.07874 in.
Drive Arrangement: .....Flywheel
Drive Location: .....RH Rear of Press Frame
Indexer Rotation: .....Programmable
Lube Unit Location: .....Rear of Press Frame
Approximate Press Weight: .....26,700 lb
Shutheight Indicator Readout: .....Inch / Metric
Shop Air Pressure, ...Minimum: 80 psi

Press Slide Specifications:

Stroke Length: .....0.472 in.
Speed Range: .....200 - 1200 spm
Quick Access .....Slide Range: 1.60 in.
Area of Slide, R-L × F-B: ..... 9.0 x 8.0 in.
Slide Face Machining: .....(2) 12mm T-Slots
Recommended Max Upper Die Weight: .....45 lbs

Press Bolster Specifications:

Bolster Plate Material: .....Steel
Bolster Plate Thickness: .....3.025 in.
Area of Bolster, R-L × F-B: .....21.5 x 11.75 in.
Opening in Bolster, R-L × F-B: .....4.38 x 7.94 in.
Bolster Plate Machining: .....(2) 12mm T-Slots

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

Press Frame Specifications:

Throat Depth: .....16.0 in.
Area of Bed, R-L × F-B: .....22.75 x 11.25 in.
Opening in Bed, R-L × F-B: .....None
Shutheight, Minimum (SDAD): .....6.693 in.
Shutheight, Maximum (SDAU): .....8.067 in.
Shutheight Adjustment: .....1.00 in.
Approx. Distance Foot to Top of Bolster: .....45.1 in.
Approx. Overall Height, from Floor: .....112 in.

Press Control Specifications:

Drive Motor Power, Speed: .....20 hp, 1500 - 1800 rpm
Incoming Power Drop: .....Control Panel
Control Panel Location: .....Rear of Press
Control Station Location:.....Press Mounted (Pivoting Assembly)
Run & Setup Station Location: .....Moveable T-Stand
Limit Switch Type: .....Programmable
Control Operation Mode: ..... Inch-Continuous
PMC Control Language: .....English
Press Mounted Stop Control PB: .....(1) Control (1) Setup

Indexer Drive Specifications:

Maximum Blank OD: .....53.1 in.
Max Dist, Index'g Spindle to Slide: .....25.6 in. ctr-to-ctr
Min Dist, Index'g Spindle to Slide: .....3.94 in. ctr-to-ctr
Total Travel Range of Frame: .....21.7 in.
Minimum Number of Notches: 1
Maximum Number of Notches: 999

Price, As Is Where Is: .....On Request

Contact:
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Corporate Office
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Features:

Index'g Spindle Unit driven by Precision Direct Drive Servo Motor
Programmacle Positioning of Notches to Fixing Notch
Automatic Adjustment of Notching Diameter Center
Automatic Lamination Stripping Feature
Pneumatic Blank Clamping Device
One Piece Heavy Duty Cast Frame
Steel, Single Point Eccentric Shaft
Precision Machined Special Alloy Bronze Sleeve Bearings
Combination Hydraulic Flex Disc Clutch and Brake
Air Operated Flywheel Brake
Maxixmum Snap Through Rating - 75% of Press Tonnage
Manual Slide Adjustment
Hydraulic Slide Adjustment Lockup
Slide Driven with Piston contained in Press Frame
Quick Access Slide Feature
Vibration Isolation Mounts
Point of Operation Safeguarding
Low Profile Scrap Conveyor
Variable Frequency Press Drive System
Tool Storage Capacity
Servo Driven Indexing Control
Startup/Slowdown Speed Control
Basic Oil Cooler
Oil Heater (Pre-heat)
Adjustable Bolster
Minster Production Management Load Monitor
"Multi Pass" Production Mode
Skip Notching IV (Gag Control)
"Pax" Automatic Two Point Blank Lubricator

Minster Production Management Press Control
includes the following features:

- High Resolution Industrial Flat Panel Touchscreen Display with "Blind Node" PC
- 8-Pole Programmable Limit Switch
- Configured for "Gag" Control Outputs to control user gags within their dies.
- Brake Monitor / Press Stopping Time Readout
- 200 Tool Storage Capacity with 24-Digit Alpha Numeric I.D. Codes
- System Prompts and Diagnostic Messages
- Lube Pump On/Off Indicator
- Motor Start/Stop/Speed Control
- Motor Speed and Load Display
- Slide Adjust Function Indicators
- Dual Clutch Valve Monitor
- Stock Lubricator Interface Output
- Auxiliary output interface for secondary control elements (blowoff, lubricator, divertor tables, etc.)
- Production Counters for Piece, Stroke, Strokes per Part, Pieces per Batch, Total Number of Strokes
- Maintenance Reminders - Activated by Predetermined
- Hours or Clutch Engagements, or Number of Parts Made.
- Press Lifetime Production Record - Hours/Cycles/Clutch Engagements
- Relay Based Primary Machine Control
- Multiple Language Capability

Control Enclosure is ergonomically designed to include all 3-phase, servo, safety, clutch control, and PLC control components; located on LHR of notcher.

Control Station Includes:

- Clutch Selector Switch to select Control Operator Mode
- Power Off-On Locking Selector Switch
- Supervisory Control Lock Selector Switch (PMC only)
- Function Enable Illuminated Pushbutton (PMC only)

Set-Up / Run Station facilitates material threading, die set-up, and running production. Includes:

- Two Guarded Buttons to operate press in the Inch and
- Continuous modes.
- Stop Button
- Top Stop Button

Clutch and Motor Control Circuits including push-buttons, operate on 24 VDC control power.

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