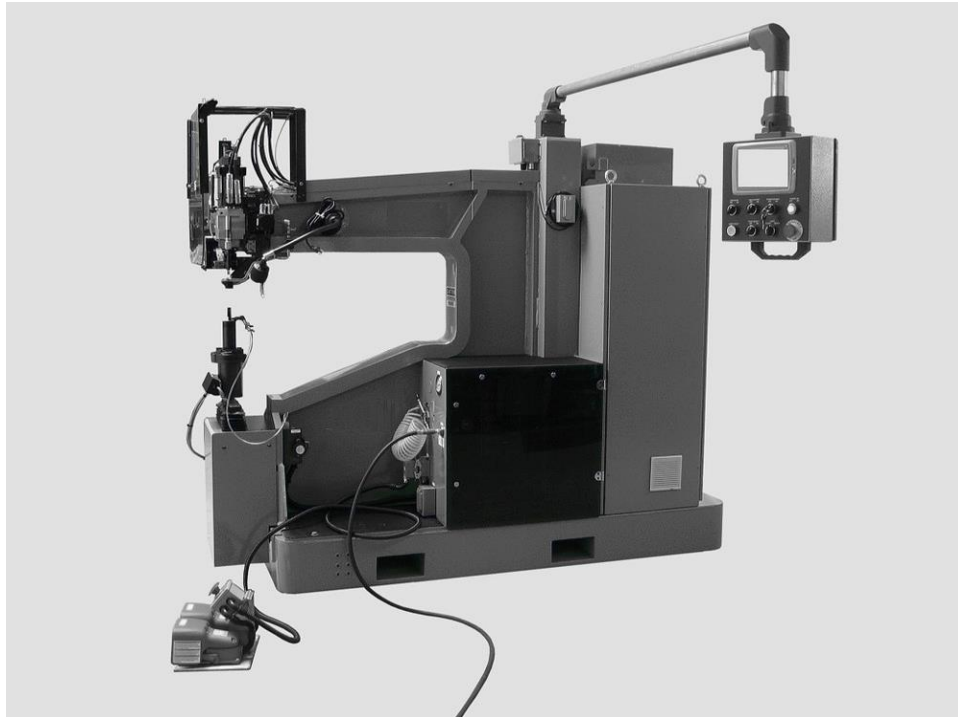




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Model EI-8-36-NP Drill and Rivet Machine

The Nut Plate Drill Rivet Machine has the capability of installing nut plates or dome nuts. The machine is capable of drilling various Nut Plate fastener holes, countersinking the holes, while the lower ram holds the Nut Plate in position for the installation of the fasteners.

The machine can be purchased with various options to included dual drill spindles for installation of the bolt hole requirements.

The Model EI-8-36-NP Nut Plate Drill and Rivet Machine is compact, and

operator friendly with control systems that allows for fast set-up and tooling changes to increase production and decrease machine down-time. The EI-8-36-NP has the ability to process a wide range of production parts and can be tooled to meet your production requirements.

The machine can be purchased with the ability to function as a single rivet installation machine with a simple tool change when not required as a Nut Plate Drill Riveter.

Throat depths up to 60 inches are available.

Model EI-8-36-NP Nutplate Rivet Machine Series

Standard Features

- C-Frame 36 Inch Throat Depth
- Maximum Cycle Time 8.0 Seconds Clamp to Unclamp
- Stationary Mounted Platform Fork Lift Mounts
- Work Height Approximately 48 Inches
- Capable of Installing Universal, Flat Head, Modified Universal Head Rivets, from --3 to --6 grip diameters with Proper Tooling
- One Upper Anvil Assembly -3 Rivet Size
- One Pressure Foot Bushing -3 Rivet Size
- One Straight (Stake) Lower Anvil -4 Rivet Size
- Three Position Head (Drill/Countersink, Sealant, and Rivet)
- Adjustable Forced Air Chip Blowers
- Drill Spindle Station
- Capable of Drilling Aluminum, Steel, and Titanium Alloys
- Drill Spindle to Accept Acura Flex Collets
- Countersink Depth Selection in 0.0005 Inch Increments
- Variable Drill Feed Adjustable from 2-96 IPM
- Adjustable Drill Speed from 0 to 6000 RPM
- Countersink Adjustment Range .75 Inches
- DC Servo Motor Spindle Drive
- Adjustable (software) dwell delay of 0-5 seconds
- Laser Spot Locator
- Sealant Insertion Station
- Pneumatic Control Sealant Dispenser "Semco"
- Quick Change Sealant Tips "Semco"
- Alternate Probe Station with Options Selected.
- Upset Force of 8,000 lbs.
- G200 Tooling Capability
- Adjustable Clamp Force from 50 to 300 Pounds
- Maximum Stack Thickness .500 Inches
- Deep Drop Daylight Opening of 6 Inches
- Quick Change Lower Tooling Mount
- Manual Tool Rotation of 360 degrees
- Lower Tool Force Air Chip Blowers
- Upset Force Air/Oil
- Clamp stroke 1.00 inches (25.4mm)
- Tipped Rivet Detection Switch
- Clamp Safety and Over Travel Switches
- Deep Drop Control Switch
- Direct Logic Programmable Controller
- Machine Cycle Timer
- Machine Cycle Counter
- Digital RPM Display
- Set Up, Tool Change, and Run Modes
- Front Fixed Operator Interface Terminal
- Operators Control Panel Touch Screen

- Operating Power 110VAC, 20AMPS
- 120 VAC Duplex Outlets 2 Each
- Modem For Remote Troubleshooting
- Tandem Foot Switch
- Controls With Emergency Stop Button
- Compress Air: 85-100 psi, 50 to 100 CFM
- Pneumatic Master Air Shut Off, Air Filter and Dry Air Regulator Unit

Optional

- Adjustable Drill Speed from 0 to 12,000 RPM
- Broken Drill Detector
- Optional Four Position Head (Drill/Countersink, Sealant, Probe, Rivet) Or Dual Drill Spindles with Shave Capability
- Drill Lubrication System
- White Light Rivet Spot Locator
- Work light High Intensity Halogen Lamp
- Probe Station For Locating Pre-Drilled Holes
- Vortex Drill Chiller with Pulse Timer
- Resilient/Retractable Pressure Foot Bushing
- Rotatable Pressure Foot Bushing
- Shatterproof Guard Upper Head / Safety Switch Interlocks
- Upper Tooling Pressure Foot Bushing Clearance 2.5 Inches
- Lower Ram Grip Sensing via Encoder, Displayed in Grip Length Increments/Inches Allen Bradley Programmable Logic Controller
- Siemens Programmable Logic Controller
- Soft-touch Operators Station/With Help Feature Mounted on a Multi-Link Moveable Arm
- Camera system (one each upper and lower camera with monitors)
- Ethernet Communication for Remote Troubleshooting
- Safety Light Curtains
- Operating Power 220VAC Single Phase or 220VAC 3 Phase
- Cassette Rivet Feed System
- Bin-Hopper Feed System
- Rivet Clear System
- Automatic Fastening System Vibratory Feeder Bowls /Orientor Injectors