

AUTOMATIC NUT FEEDER AFV-N

Basic Description

The Dengensha PLC Controlled Automatic Nut Feeder is manufactured to be the most reliable and durable nut feeder in the industry. Using the latest technology, Dengensha craftsmen design and build our nut feeders using your specific weld nut. By using your nut samples, Dengensha guarantees its feeders will accurately select and feed the nuts to the weld electrode without fail. From the custom designed bowl to the unique magnetized feed unit, the Dengensha system will not only meet your production rates but also insure your quality with the most repeatable system available.

Features:

- 300mm Vibratory Bowl
- PLC Microprocessor Transistor Output Controller by Keyence
- Programmable screen to allow control of PLC without laptop
- Dual key locked control panel to prevent unauthorized entry to controls
- Manual controls on outside of control panel
- 3 meter flexible vinyl tube to deliver nuts to feed unit
- 200mm stroke magnetic feed unit to deliver nuts accurately to your electrode
- Universal mounting bracket to allow feed unit mounting at nearly any angle
- Seven liter capacity bulk hopper with limit switch to maintain proper supply of nuts in the vibratory bowl
- Vinyl dust cover to prevent contamination from weld spatter
- Complete pneumatic system with regulator and filter
- Feed rates up to 50 nuts per minute
- Nut separator to allow individual nuts to be blown one at a time to the feed unit

Benefits:

- Unique selection mechanism design for your specific nut to insure repeatability
- Magnetic feed unit to insure accurate positioning of nut on the electrode
- Custom designed bowls to provide high feed rates
- PLC to control Poke Yoke devices
- Specially designed vinyl tubes to allow feeders to be located up to 10 feet or more from the welder electrode
- Ability to feed nearly any shape and size of weld nut



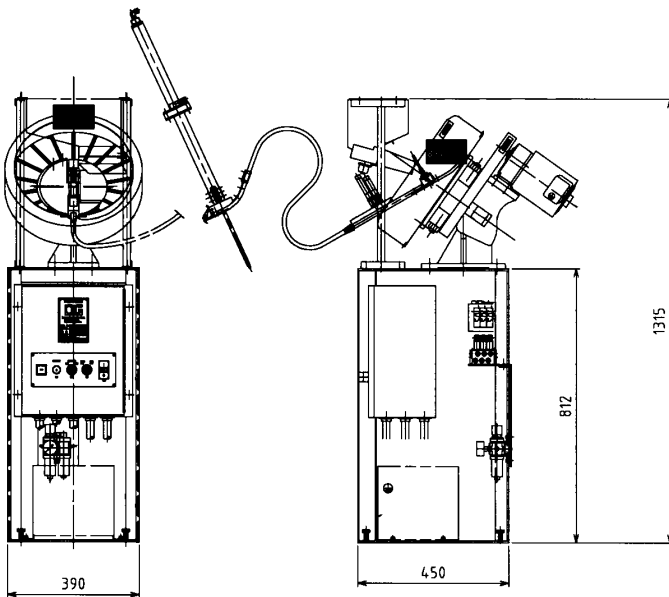
Options:

- Rotary style bowl as low cost option for square weld nut selection
- Double type selection mechanism for simultaneous feeding of two weld nuts
- Special double type to allow feeding of only right side, only left side, or both sides simultaneously
- 150mm or 300mm special stroke feed units available
- Reverse mounted control panel for locating the feeder inside fenced work cells
- "No control" option for operation through your own PLC
- Orientation guide to allow orientation of T-shape nuts within +/- 5 degrees
- Optical sensors to insure proper selection and orientation of various nut configurations
- Pneumatic nut locator on lower electrode to virtually eliminate weld spatter in nut threads
- Available in various paint colors

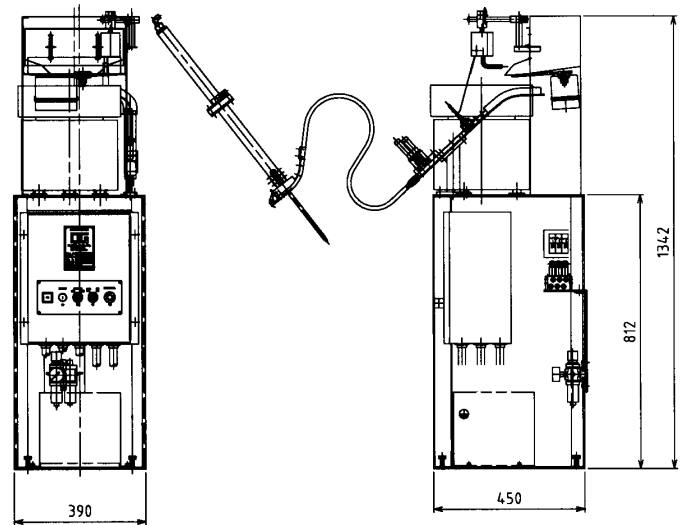
SPECIFICATIONS OF AUTOMATIC NUT FEEDER

Model and Function

All Dimensions In Millimeters



Rotary -Type



Vibratory -Type



Programmable Logic Controller

Dengensha feeders feature Keyence PLC's such as the KV-24 DT. The ultra compact unit features a built-in display that allows the PLC's data to be checked at start-up and during modification or changeover.

Additional Dengensha Services Available

- Training Seminars
 - Nut feeder maintenance
 - Bolt feeder maintenance
 - Welder maintenance
 - Portable welding gun maintenance
- Nut and bolt feeder rebuilding
- Portable welding gun rebuilding
- Welding control repairing
- Weldscope and Pressure Mate Calibrating

Ask about these other dependable Dengensha products:

- PLC Controlled Bolt Feeders
- Stationary Spot Welders
- AC Welders for Aluminum
- Single Phase DC Welders
- Three Phase DC Projection Welders
- Seam Welding Machines
- Special Multi-Welders
- Portable Transformers AC/DC
- Welding Controls
- Weldscopes
- Portable Weld Guns
- Transformer Weld Guns
- Servo-Spot Weld Guns
- ACT Guide Pins
- Welding Electrodes
- Pressure Mate
- Pactran-Portable transformer with timer/contactator

The data on this sheet are subject to change without notice



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