



SWAGING APPLICATIONS

Turn-Key Automated Solutions

A leader in customized machinery solutions for over 100 years, FENN is now recognized for developing flexible and agile automation systems for a wide variety of manufacturing operations. FENN designs and fully integrates solutions to maximize efficiencies and ultimately reduce operating costs. Avoid the perceived need to coordinate your own system and trust the leading metal forming OEM in the industry to help your business grow today.

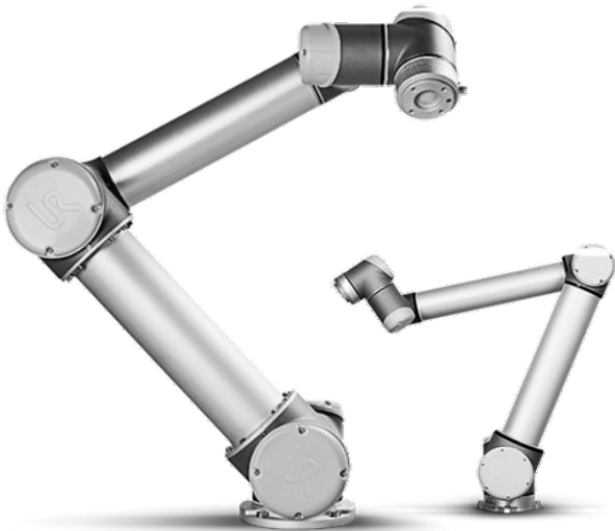


Image Courtesy of Universal Robots

Turn-Key System Benefits

- **Equipment fully integrated by OEM**
- **Single source supplier** eliminating the need for multiple vendors for the production of one system
- Integrated automation **improves equipment safety**
- **Save time** with collaborative robotics

Allow FENN to design, coordinate, test & validate your system for you!

Integrated Solutions can Include:

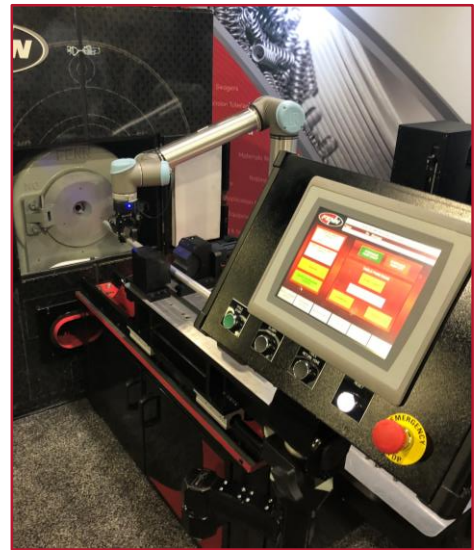
- Swaging Machine
- Hydraulic Feeder
- Integrated Robotics
- Sound Enclosures

Dozens of Secondary Operations Possible, such as:

- Laser Engravers
- Cutters
- Buffing Systems
- Welding Systems

Benefits of Automation

- **Minimal Training** – A carefully planned automated process provides easy, intuitive programming that requires minimal operator skill and training.
- **Flexible** – Agility to meet changing demands of the workplace.
- **Collaborative** – Safe robotics can work alongside humans with no safety shield.
- **Fast Payback** – With lower production costs, an investment in automation will save your company money.



Example of a FENN Turn-Key Automated Swaging Solution. Included is a FENN Swager, Sound Enclosure, Feeding System, and Integrated Automation.

How Does the Process Work?

FENN's experienced engineers will visit your business to learn more about your application, or you can visit us! FENN will work with you to fully understand:

- The intended application of the machine
- The process you are currently using, or hope to use, with your new system
- Desired material to be used and its properties
- The desired starting and finishing product size or dimensions



We are committed to working with you through every step of the process to ensure our final integrated solution meets your production requirements.

Existing Equipment

- In addition to designing brand new systems, FENN can also retrofit an integrated system around an existing piece of FENN equipment. Contact us today to learn more.



Example of a laser engraved, reduced tube produced on a turn-key system from FENN



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