



Presses & Automation
SINCE 1975



AZ-WF
Servo Wire feeder

AZ-WF

Servo Motorized wire feeder

Standard features

- **Modular design** with 1, 2, or 3 independent roller modules (each with upper and lower rollers).
- **3 available sizes:** WF have multiples rolls configurations.
- **Precise motion transmission** through hardened and ground gears for long-term reliability.
- **High-quality groove finishing**, machined and polished after heat treatment for optimal wire contact.
- **Custom groove profiles** available on request for specific wire shapes or dimensions.
- **Full system supply** option including motorized feeder, electronics, and wire straightener.
- **High versatility**, suitable for ferrous and non-ferrous materials in various shapes.



Optional features

- **Double-groove option** allows processing different diameters without changing rollers.
- Wire straightener
- Rotary Encoder on wire

Description	WF-1	WF-2	WF-3
Wire diameter min	0.0625	0.0625	0.0625
Wire diameter max	0.75	0.75	0.75
Pilot release	PNEUMATIC	PNEUMATIC	PNEUMATIC
Feed accuracy	0.003	0.003	0.003
Maximum speed	60	60	60
Driven rollers	2	4	6
Feed rolls diameter	4	4	4
Straightener rolls diameter	N/A	N/A	N/A
Motor Power (KW)	1.5	1.5	1.5
motor speed	3000	3000	3000
Motor torque (N-M)	4.774648293	4.774648293	4.774648293
smally pulley	1	1	1
big pulley	1	1	1
gearhead ratio	10	10	10
gearbox efficiency	0.95	0.95	0.95
Output torque (LB-IN)	401.5	401.5	401.5
Pulling force (LB)	201	201	201
Peak pulling force (N)	603	603	603



Azimuth automation



UL listed control pannel

Azimuth is a UL-certified panel builder specializing in the stamping industry. This certification ensures that our control panels meet stringent safety and quality standards, providing reliable and compliant solutions for your operations.

We customize enclosures specifically for sheet metal applications, ensuring seamless integration with your existing equipment and processes.

Our tailored designs enhance both safety and efficiency in your stamping operations.



Our equipment is powered by **Omron servo-driven solution**, ensuring precise, efficient, and reliable performance in demanding industrial applications. Backed by a **5-year warranty**, this drive system provides long-term peace of mind and reduces total cost of ownership.

The servo drive is available in both **200VAC and 400VAC configurations**, making it adaptable to a wide range of installation environments and industrial standards.



Azimuth feed interface

Our advanced feed interface allows you to store more jobs, sequential feed, GAG capabilities, & more!

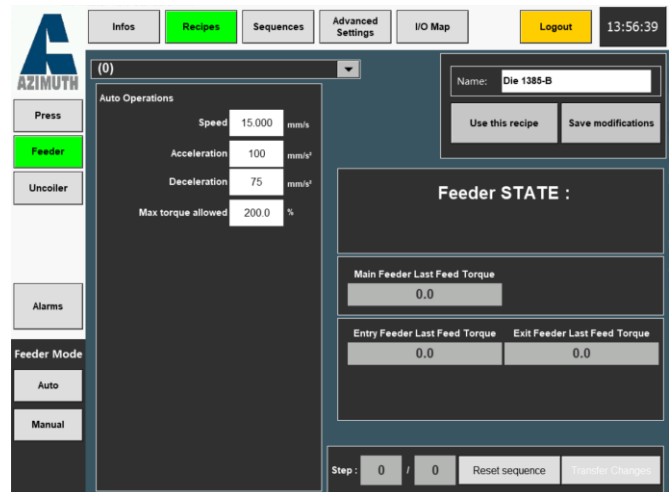
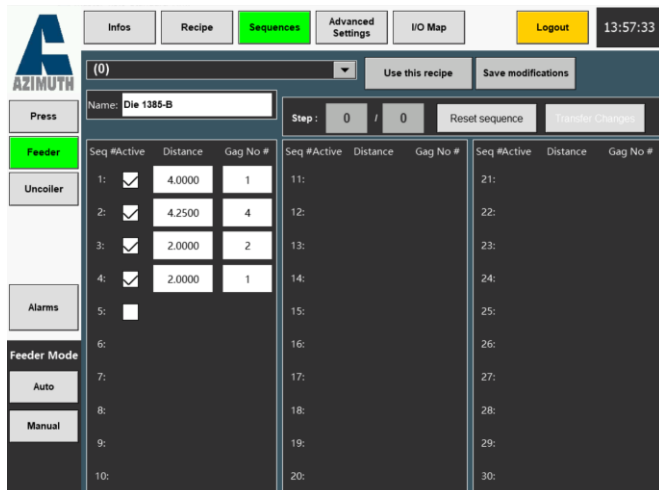


*The Recipes Page provides an intuitive and user-friendly interface for configuring the basic parameters of the main feeder. It supports up to **100 recipes** as standard, allowing for quick setup and changeover.*

Torque Data Windows are available for all feeders, offering real-time monitoring and analysis of torque values throughout the feeding process.

The Info Menu allows for quick and intuitive interaction with the micro-functions of all connected feeders, providing centralized control and monitoring.

The Feed State Window offers an at-a-glance overview of the main feeder status, making it easy to identify whether the feeder is waiting for a signal or has completed its feeding cycle.

*The Sequences Menu allows for easy and efficient updates to the feeding sequence of your servo feeder through the intuitive feed interface. It provides direct access to **GAG activations** and **feeding distances**, enabling precise control and flexibility. Each recipe can store **up to 30 sequences** as standard, supporting complex and customizable feeding operations.*



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Feed-line

We excel in providing turnkey solutions with our custom servo feeding systems, designed to accommodate a wide range of materials—from thin sheets to automotive-grade thicknesses. Our dedicated approach ensures that each system is tailored to meet your specific production requirements, enhancing efficiency and performance.

Turn-key solution

At Azimuth, we specialize in creating customized production lines tailored to your exact specifications. Simply send us your part drawings, and our experienced team will develop a solution designed to maximize efficiency and elevate performance across your operations. As part of our commitment to quality, we'll rigorously test and run your production setup before shipment, ensuring flawless installation and seamless integration when it reaches you.



We are committed to delivering high-quality, innovative automation solutions tailored specifically for the stamping industry. Our UL certification underscores our dedication to safety and excellence, ensuring that our custom-built systems meet the highest industry standards.