



# DWF-4 System

## ACCURATE, REPEATABLE FEED RATES

Arc Products' DWF-4 Systems utilize a control, wire drive unit, and wire delivery components for precision TIG and plasma applications, providing exact wire input from one weld to the next. The system is easy to program and integrates with a wide range of power supplies, torches, and positioners for assembling turn-key automation systems.

### DWF-4 FEATURES:

- Standard and compact drives available to meet your requirements
- Stepper motor provides exact wire input
- Jog forward/reverse
- Accurate wire delivery from .1 to 300 ipm
- Remote inputs to Start/Stop, Wire Feed, Remote Jog
- Four axis wire guide manipulator
- Drive rolls accommodate .020"-.062" wire diameters
- 4 geared drive roll system (standard only)



### BENEFITS

- 1. Easy to Setup**  
With little to no fixturing the system can be setup for your specific requirements.
- 2. Easy to Operate**  
Simple programmable control.
- 3. Instant Rewards**  
Low-cost automation, faster production, reduced welder fatigue, reduced production costs.

### IDEAL FOR WELDING

- Tube Mills
- Aerospace/Aviation
- Pharmaceutical
- Precision TIG and Plasma Weldments
- Multipass Pipe Welding
- Pressure Vessels



 **Arc Products**  
A Lincoln Electric Company

**LINCOLN**  
**ELECTRIC**

 **Automation**  
DIVISION

*DWF-4 System includes Control Unit, Wire Drive, Wire Delivery Components and Cables.*

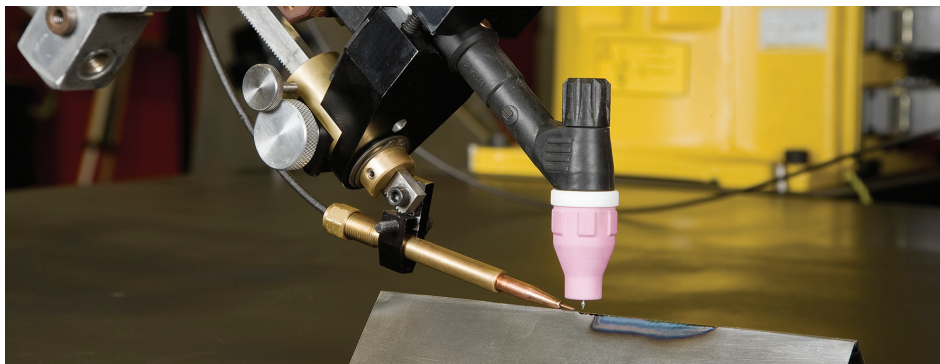
[www.arcproducts.com](http://www.arcproducts.com)



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## ACCURATE, REPEATABLE FEED RATES

### FIELD APPLICATION



#### Robotic TIG with Wire Feed

DWF-4 system mounted to a Fanuc robotic arm provides a flexible TIG automation system.

### INTEGRATES WELL WITH

#### DIRECT ARC

DirectArc technology provides complete control over the weld puddle. When oscillating, the puddle is pulled side to side providing uniform penetration.

#### AVC-5

AVC-5 precisely controls torch height for consistent heat input. In integrated systems, the AVC-5 can act as the weld process the controller to the DWF-4, power supply and DirectArc units.



### WORLD-CLASS WELDING AND AUTOMATION EXPERTISE

Arc Products has been designing and manufacturing automated welding equipment since 1980. Our off-the-shelf and custom systems increase weld quality, improve the working environments, and lower production costs. With our recent incorporation into Lincoln Electric, we can now offer our current and future customers unparalleled automation and weld processes expertise.

### EXCEPTIONAL CUSTOMER SERVICE

Through Lincoln Electric, Arc Products provides a global network of facilities and people to provide quick response and personalized attention. No matter where your welding operations are located today, no matter where they will be tomorrow, Lincoln Electric welding experts can provide local support, ready to create and implement solutions that fit your needs.

### VALUABLE CUSTOM AND TURN KEY SOLUTIONS

While Arc Products offers a wide spectrum of pre-engineered systems, we also offer the ability to modify or completely customize our equipment to meet your needs. Furthermore, through the Lincoln Electric facilities across the globe we offer completely customized turn-key systems designed to meet your precise needs. Contact us today!



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A Lincoln Electric Company

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	Wire Sizes	Torch Sizes	Conduit Length	Speed Range	Speed Resolution	Input Power
<b>Standard DWF-4</b>	.020"-.062" (.51-1.57 mm)	Up to 2" dia. (51 mm)	36" Standard (914 cm)	0-299.9 ipm (0-762 cmpm)	0.1 ipm (2.5 mm)	115/23 0V 50/60 Hz
<b>Compact DWF-4</b>	.020"-.062" (.51-1.57 mm)	.75"-1.625" dia. (19-41 mm)	N/A	0-75 ipm (0-190 cmpm)	0.1 ipm (2.5 mm)	115/23 0V 50/60 Hz

#### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.

