

Drawing various element wires  
with stable lower tension and  
precise inertia compensation.

For element wires **One-die Wire Drawing Machine**

# FED-01D



Drawing element wires of various materials produced in welding processes with stable lower tension. Supporting a wide range of element wire diameters (fine or thick) and types (soft or hard). Fluctuation in tension during acceleration and deceleration has been extremely reduced with precise inertia compensation using our high-precision control technology.

## Features

1. **Space-saving** Small footprint
2. **Straight wire drawing** Synchronization of the winding shaft and die
3. **Sophisticated menu setting** Recipe management with preset function
4. **Real-time monitoring of the area reduction** Wear management of dies



● Equipped with the self-developed controller to achieve high-precision control.

# For element wires One-die Wire Drawing Machine **FED-01D**

## Space-saving

### Small footprint

The machine depth is suppressed as much as possible by moving both the winding shaft and die holder during the traverse operation in the wire drawing process, which achieves space-saving (small footprint). The unwinding shaft remains fixed.



## Straight wire drawing

### Synchronization of the winding shaft and die

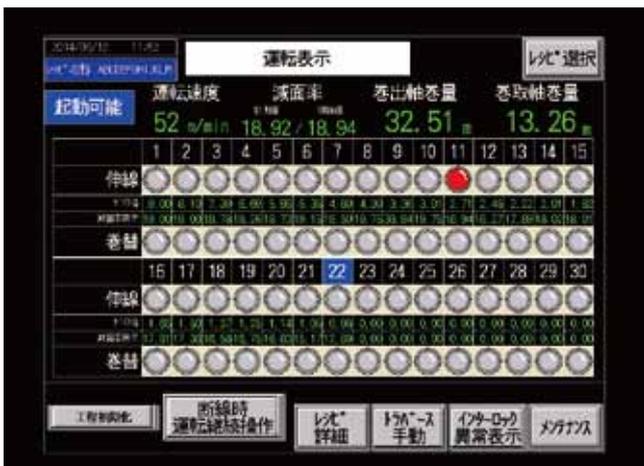
The winding shaft and die holder are under the traverse control. The straight wire drawing, where the wire coming out from a die is wound using a straight configuration, is achieved by precisely synchronizing the traverse movements of the winding shaft and the die holder using high-precision control. The uneven load affecting the quality of the material is minimized.



## Sophisticated menu setting

### Recipe management with preset function

The LCD touch panel (control panel) mounted on the machine allows you to preset the settings for the wire drawing processing (step management) in advance, and achieve an ideal finish with a relatively simple operation. The tension can be set by inputting values directly.



## Real-time monitoring of the area reduction

### Wear management of dies

The die replacement timing can be determined by managing the change in the area reduction. In addition, the diameter of the finished wire can be calculated at all times from the area reduction, which also makes it possible to prevent the generation of defective wires by automatically stopping the machine if the calculated wire diameter surpasses the set upper limit value.



## Specifications

Type	FED-01D
Power supply	Three-phase 200V/220V 50Hz/60Hz
Wire Materials	Au·Ag·Cu
Wire diameter	~Φ10mm
Finished wire diameter	Φ1mm~
Speed	~100m/min
Tension	10~400N

●Please note that the appearance, specifications, capability of this product may change without notice due to the improvements.

Inquiry

**FAE** Factory-Automation Electronics Inc.

TEL 81-6-6368-5931 FAX 81-6-6368-5932

2-16-1 Minamikaneden, Suita city, Osaka 564-0044 Japan URL [www.fae.jp](http://www.fae.jp)

**FAE TAIWAN Inc.**

TEL.(+886)2-2771-5011 FAX.(+886)2-2771-5015

5F-5, No.162, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 10688, Taiwan (R.O.C.)

We offer testing by using various demonstration machines.