

# DZ-3

COILING TORSION SPRING MACHINE WIRE DIA 0.02-0.3mm



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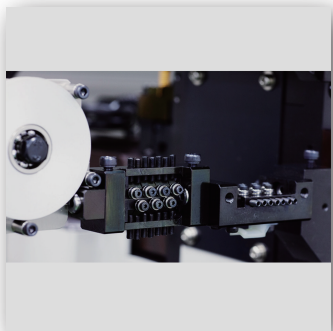
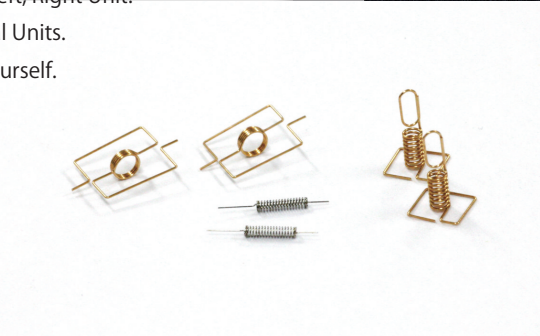
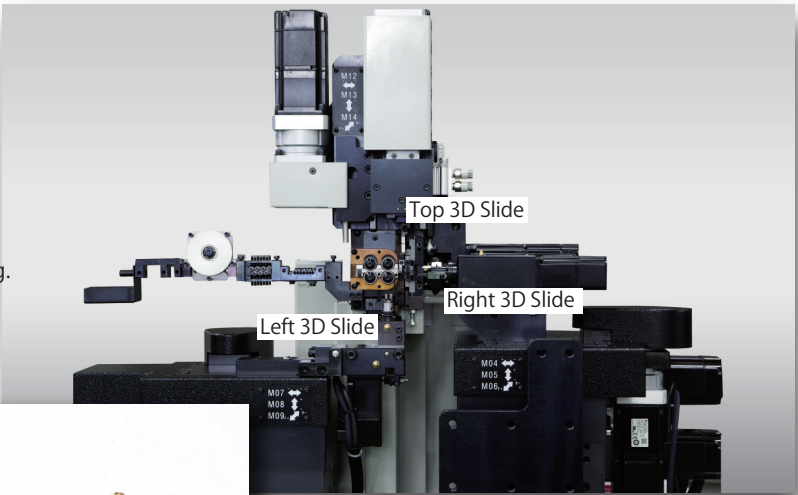
# NEW AGE FOR FINE WIRE SPRING MACHINE

## High-Speed, High Accuracy Coiling & Bending

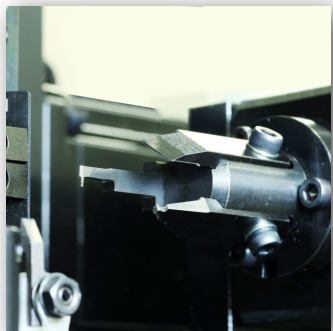
- Three 3D slides (Top, Left, and Right) move as your fingers and enable you to create complex shape of springs.
- High Accuracy and High-Speed coiling as other Coiling Machines.
- Standard is 6 tools: Tool Changer, R-Servo, Off bending, and Bending. You may add more by Unit Configuration.
- Grip Unit can form the complex shape after cut in secondary processing.

## Adopt Free Modular Design

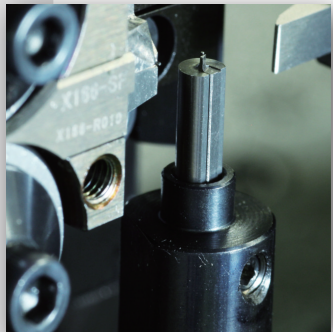
You can freely mount on Top, Left, Right Unit.  
Also you can change to optional Units.  
You can add/switch Units by yourself.



Wire Straightener

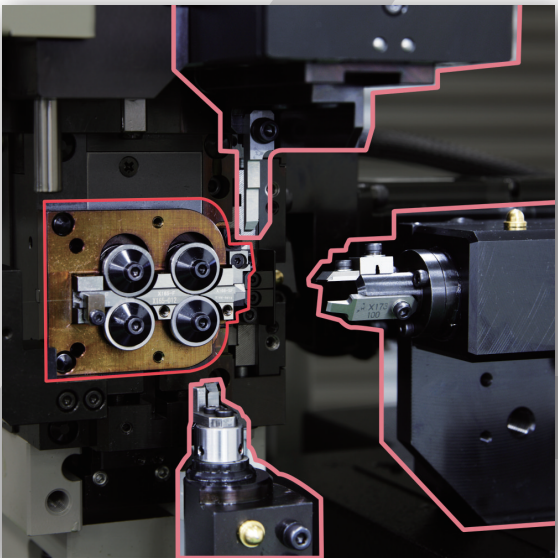


Tool Changer



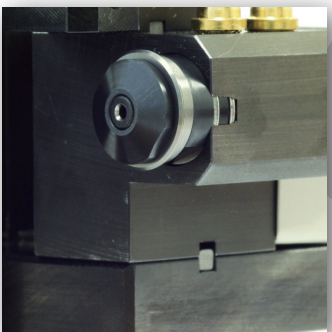
R-Servo

Pitch / Arbor  
Double  $\Phi 16$  Feed Roller  
Guide Length 16mm

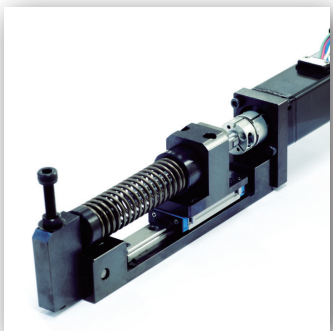


Left 3D Slide

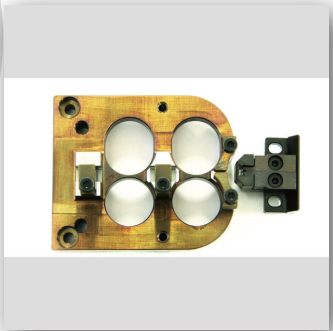
Right 3D Slide



Roller Servo Point (OP)

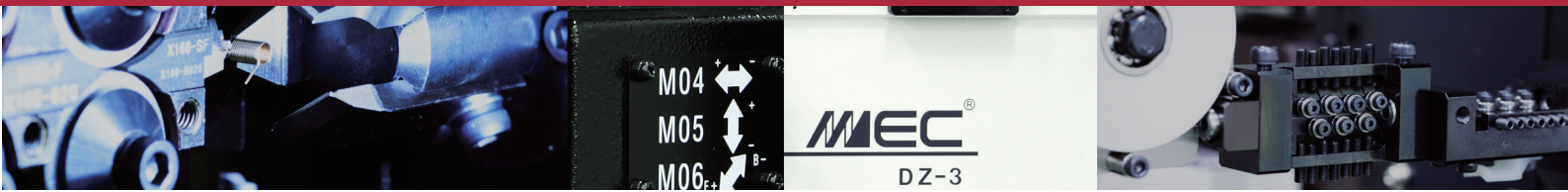


Feed Pressure Servo (OP)



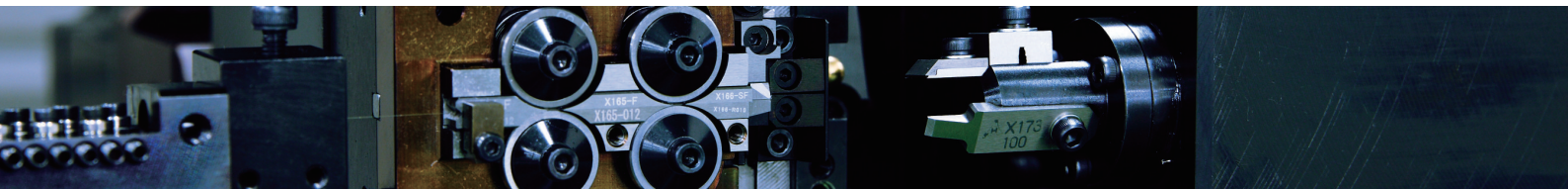
Ultrafine Wire Guide Holder (OP)





## Features

- Comes equipped with 15 Axes: Feed/Pitch/Arbor back and forth/three 3D slides/Tool Changer/ R-Servo/MSD-3
- Three 3D slides (Top, Left, and Right) enables you to create the various shape of springs freely.
- This machine has same coiling ability (Accuracy/Speed) as other coiling machine.
- We present new processing method by the Tool Changer which can set up to 3 tools and the R-Servo.
- Free Module Design  
All units are independent, so it is easy to change. Also you can mount the special unit which you want.
- Grip Unit enables secondary processing after cut.
- Double feed roller system constantly feeds the wire without crushing.
- Comes equipped with 16mm Wire Guide. Ultrafine holder of 11mm wire guide is optional.
- Rotary cut can be done by programing.
- Comes equipped with world proven stable "MNO system".  
Easily check All Axes, also by scrolling to side you can easily check Program Flow, Sensor movement, In-out put, Jump index and so on.
- Comes equipped with "MSD-3" that measures free length using contact sensor for positioning servomotor. It is measurable by 1/1000mm.



## Machine Specifications

