

CNC SPRING COILER



YD-30C



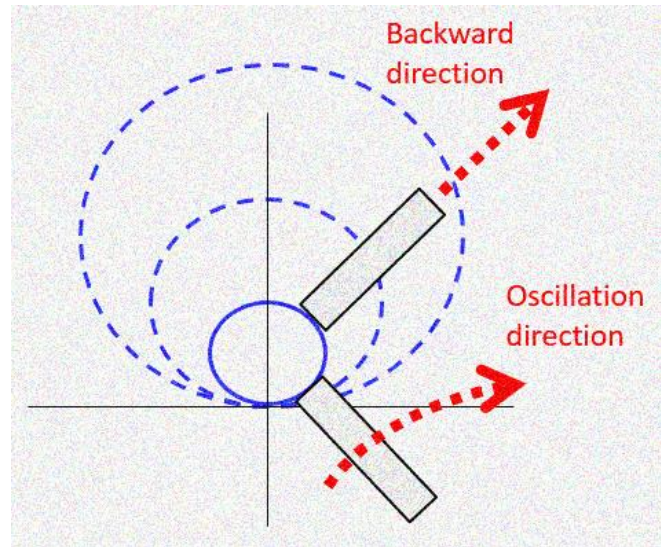
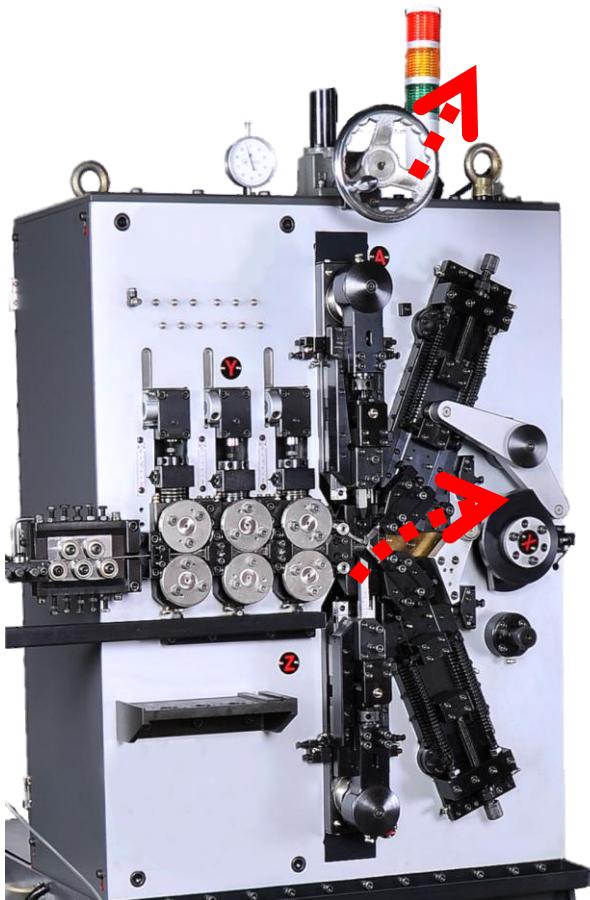
A. Specification:

Model No.	<i>YD-30C</i>	
Wire Diameter (mm)	0.8-3.0	
Standard Axes	6	
Feed Roller (pair)	3	
Mini. Spring Index	3	
Max. Spring O.D. (mm)	50	
Feed Speed (m/min)	90	
Max. Production Rate (pcs/min)	350	
Power Supply	220V, 3Ø (transformer 380/400/415/440V is available)	
Machine Dimension (mm)	L	2000
	W	950
	H	1950
Machine Weight (kg)	1950	

B. Feature:

- Standard 6 axes with servo motors - feeding, cutter, wedge, pitch, coiling
- Cutter moves in synchronization with the arbor
- Yaskawa servo motors and Omron/Schneider electricity parts
- Yaskawa Mechatronlink Controller
- Comply with Industry 4.0 data output, and real-time production information
- Adjustment available for arbor (forward/backward)
- Setup tools are made by carbide, SKD11 and H.S.S
- Cutting mode comes in straight cut, swing cut, twist cut and fly cut.
- Quick shift in Right hand/Left hand coiling
- Patented spring software with touch screen based on Windows 10 OS
- USB device available for loading and saving spring program
- Auto edition programming for easily setting up spring program

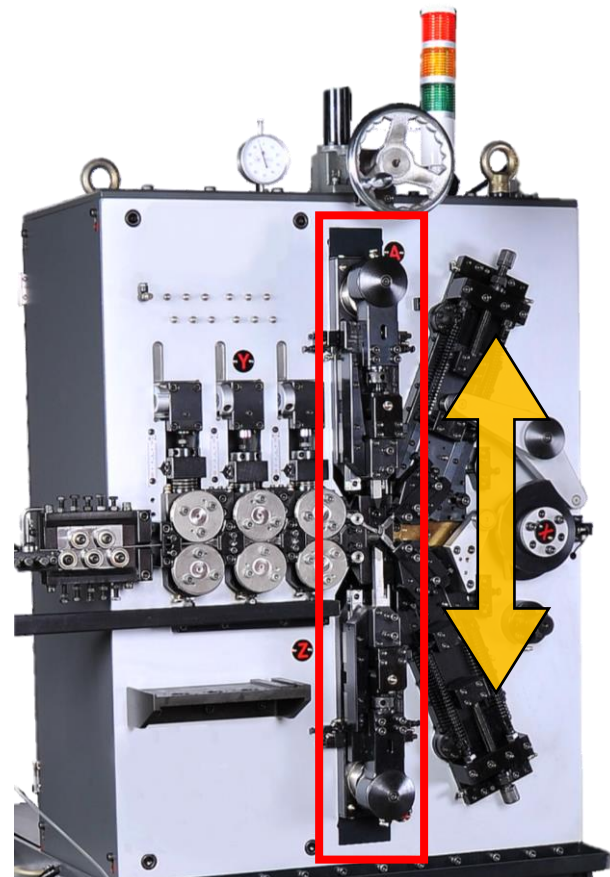




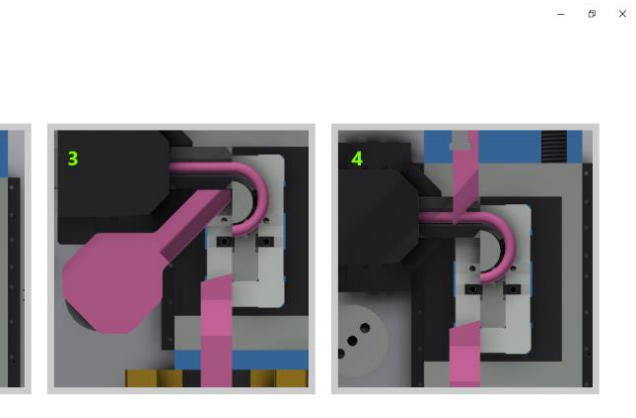
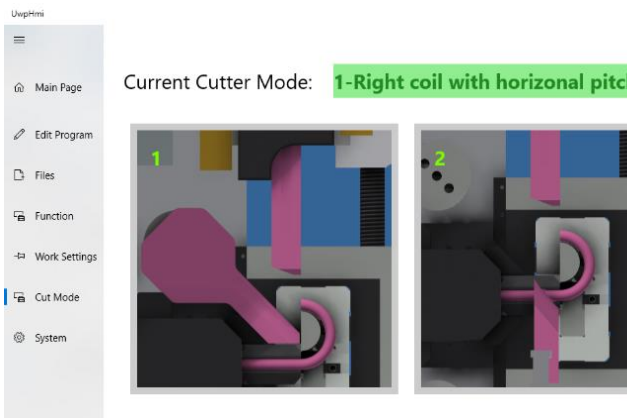
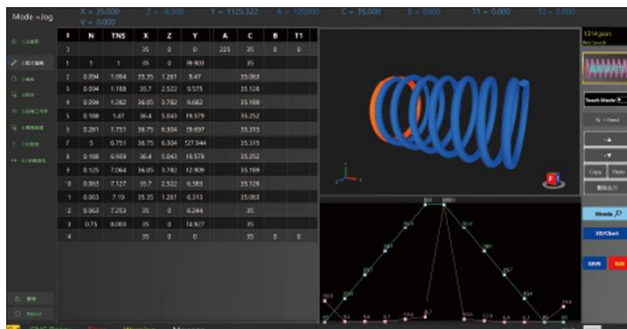
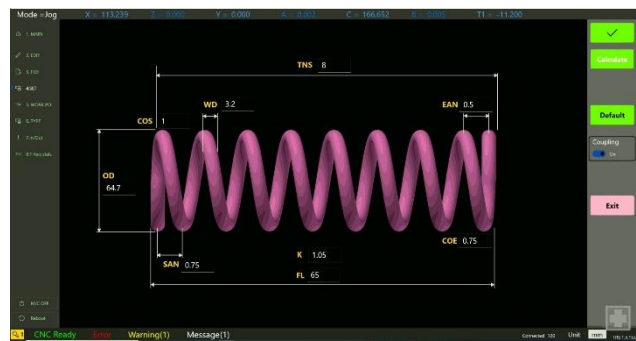
The machines are coiling a spring with good concentricity in changing outer diameter

- Cutter & Arbor in synchronization

In the dynamic movement, the distance between the cutter and the arbor is fixed. That way can reduce adjustment time, and take heavier force from cutting



C. Windows Spring Software:



- Industrial computer with SSD
- Windows 10 OS Internet connection for remote service
- LAN connection for integration of network resource
- Friendly graphical interface and Chart analysis for OD, Pitch and Feed
- Program generator for straight, conical, barrel, hour-glass, banana and torsion
- 3D spring preview for indicating programming steps
- Spring coils and feed length analysis
- Safety key for computer software
- Tool position record



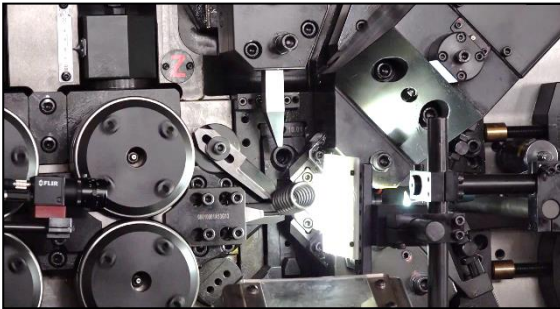
D. Optional Tooling:

- Full set of standard tooling, included feed roller, wire guide, arbor, coiling tool, pitch tool, wedge tool, cutter, etc.
- Customized tooling for torsion spring, flat spring, and ovate wire spring



E. Optional Accessory:

- Camera Spring Length Detector



Software



Lens Set

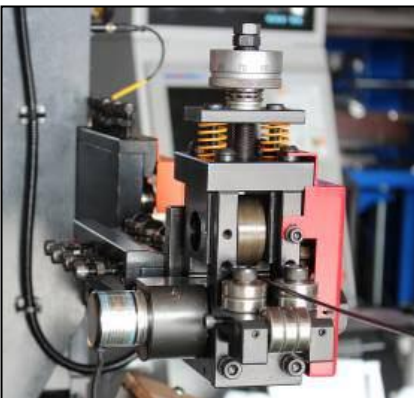


Sorter



Measure and compensate pitch/length of springs.
Minimum accuracy is ± 0.03 mm.

- Wire Slippage Detector / Painting Detector / Safety Cover



- **Automatic Pay off (Decoiler)**



500KG



1000/1500KG

F. Safety & Maintenance:

1. Industrial heat exchanger
2. Temperature monitoring system
3. Phase & NFB protector and noise filter
4. C4 emergency stop sensor
5. Auto lubrication system
6. Working timer

