

CNC SPRING COILER



CSC-series with 5 axes



Compression Spring



Battery Spring

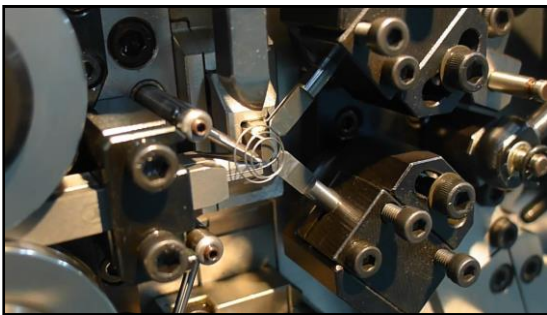


Magazine Spring



Cone Spring

A. Features:

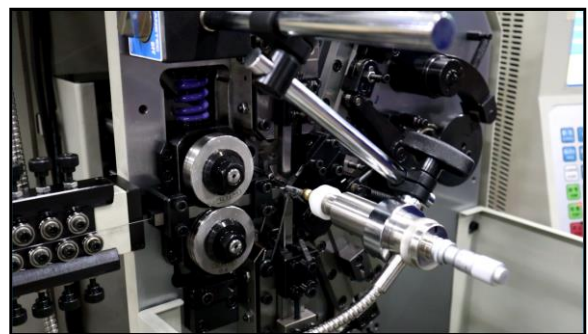


Machine Construction

Using the materials in the best quality and without neglect of necessary heat treatment is one of our insistence, in order to extend the duration as far as possible. And also, to achieve optimum working in operation, the machine is always built in Japanese servo motor & drive, and Taiwanese computer & controller.

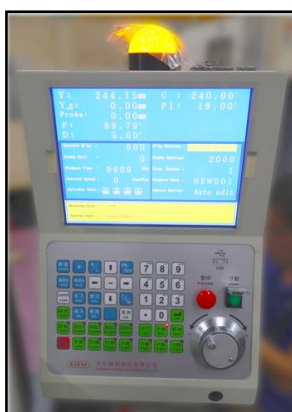
Quality Management

Through the spring length detector, the machine is able to differentiate length of each spring, and sort them out into the sorter. This is making use of capacity character to detector.



Operator's Experience

Provide appropriate working condition, such as 5 steps only of changing right/left coiling, easy adjustment for feeding rollers, initial tension, and outer diameter. Moreover, according to CE standard, add up safety cover, interlock and wiring.



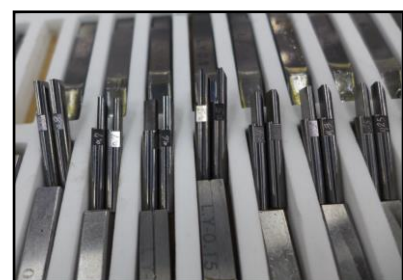
Monitor & Controller

Come with auto edition function for programming



Servo System

Brand Yaskawa from Japan



Machine Tools

Feeding rollers are made by H.S.S, the others are made by W.C.



Spring Tray (option)

Support longer springs for not drooping, and auto unloading by cylinder.

B. Specification:

Model No.		CSC-508	CSC-516	CSC-532
Wire Diameter (mm)		0.1-0.8	0.7-1.8	1.4-3.2
Feed Roller (pair)		1	2	3
Mini. Spring Index		4		
Max. Spring O.D. (mm)		20	40	50
Max. Feed length (mm)		Unlimited		
Max. Production Rate (pcs/min)		800	500	200
Power Supply		220V, 3Ø (transformer 380/400/415/440V is available)		
Machine Dimension (mm)	L	950	1250	1450
	W	730	950	1120
	H	1400	1560	1610
Machine Weight (kg)		385	690	970

C. Easy Setup & Programming



Quick-released feeding rollers



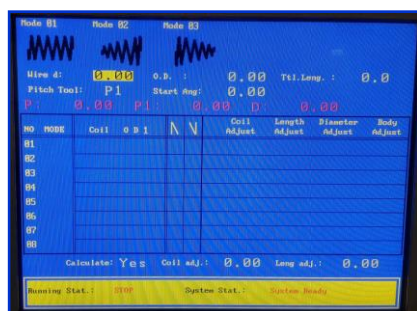
Cam with graduation of scale



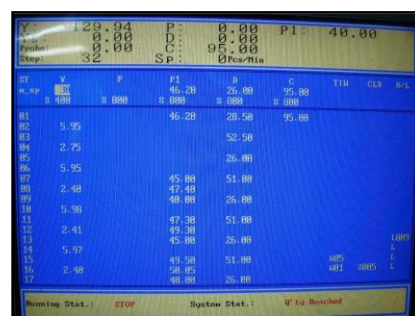
Screws for initial tension



Screws for outer diameter



Auto program generator

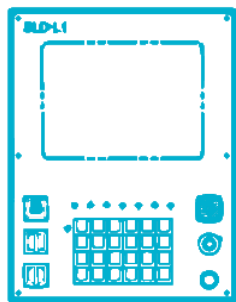


Program edit screen

D. Spring Length Detector (Option)

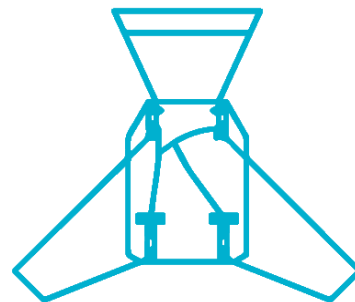


The detector measuring length of a spring is based on capacitance. There will be electric capacity between any two metals. The closer distance is, the more electric capacity will be. Therefore, the value of length can be calculated from electric capacity. It is relative value.



6.4" TFT Monitor

Display various data in measurement such as good/bad quantity, X average, 3 σ standard deviation, CP capacity index, control chart, histogram, etc



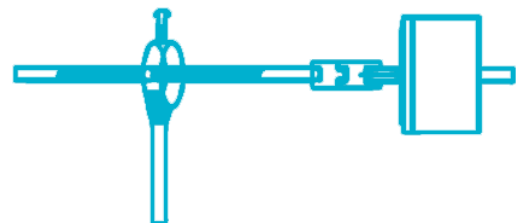
3-ways Sorter

By positive/negative tolerance setting, the sorter separates longer/shorter bad springs, and good springs. 5-way sorter is also supported.



Touch Probe

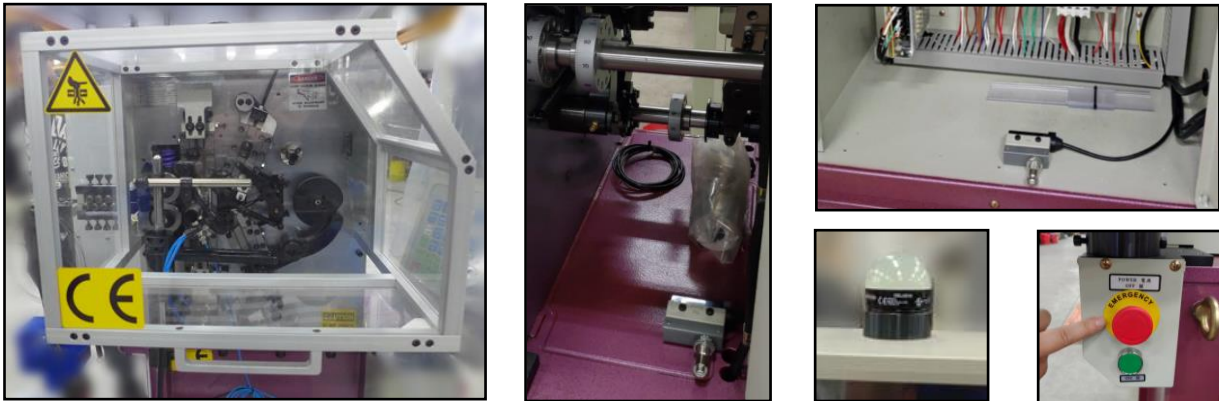
Set distance from the touch probe to the spring in 2~3 mm. It is available change the probe tips according to diameter of the spring.



Offset Motor / CNC Card

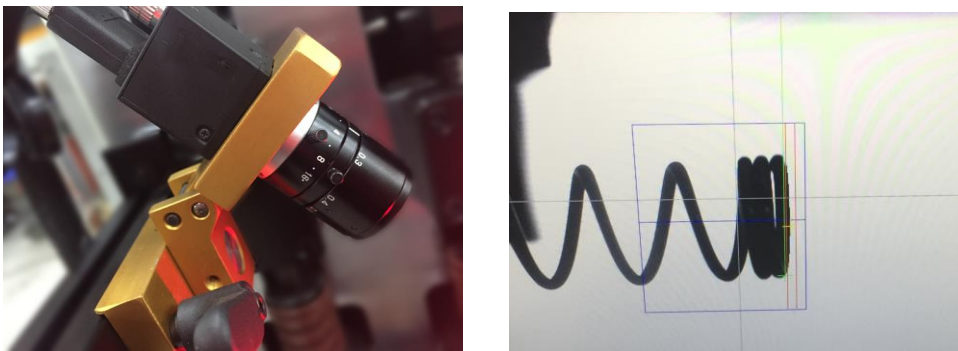
2-axis coiler can be supported to make compensation by the offset motor. As for 5-axis coiler, the built-in CNC card will support to do.

E. CE standard (option)



Including additional safety cover and interlocks, and also change to signal lamp and emergency stop button of CE standard.

F. Camera length detector (option)



G. Automatic pay off / decoiler (option)



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