

CNC SPRING COILER



CSC-series with 2 axes



A. Features:

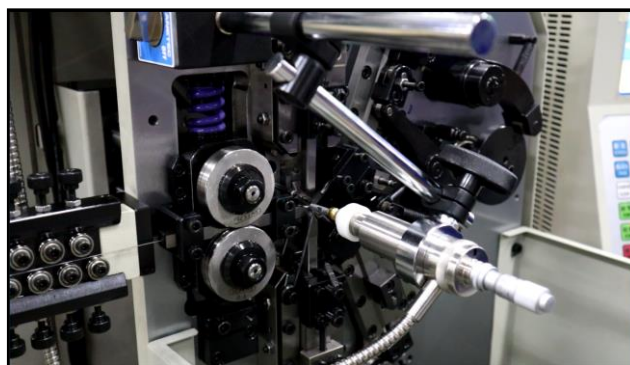


Machine Construction

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 which is installed the relative attachment is able to differentiate length of each spring, and sort them out into the sorter. This is making use of capacity character to detector.



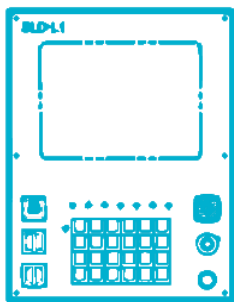
B. Specification:

Model No.		CSC-208	CSC-216	CSC-226	CSC-250
Wire Diameter (mm)		0.1-0.8	0.4-1.6	0.8-2.6	2.0-5.0
Feed Roller (pair)		1	2	2	3
Mini. Spring Index		4			
Max. Spring O.D. (mm)		20	45	50	80
Max. Feed length (mm)		Unlimited			
Max. Production Rate (pcs/min)		550	350	300	100
Max. Feed Speed (m/min)		100	150	150	54
Power Supply		220V, 3Ø (transformer 380/400/415/440V is available)			
Machine Dimension (mm)	L	920	1380	1000	2000
	W	760	980	1420	1300
	H	1520	1680	1730	2000
Machine Weight (kg)		350	850	950	2450

C. Spring Length Detector (Option)

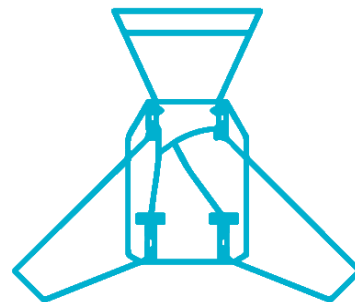


The detector measuring length of a spring is based on capacitance. There will be electric capacity between any two metals. The closer distance is, the more electric capacity will be. Therefore, the value of length can be calculated from electric capacity. It is relative value.



8.4" LED Monitor

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



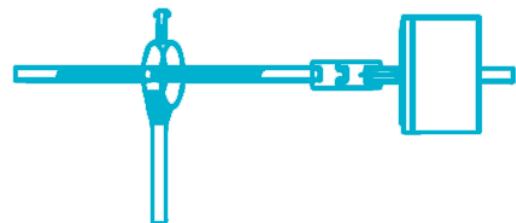
3-ways Sorter

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



Induction Probe

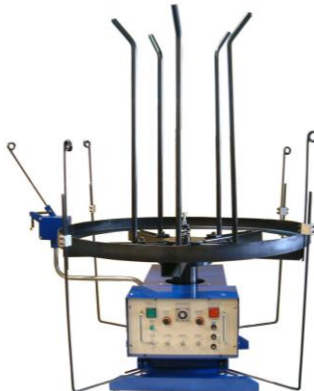
Set distance from the touch probe to the spring in 2~3 mm. It is available to change the probe tips according to diameter of the spring.



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.

D. Automatic pay off / decoiler (option)



C. Other option:



Accessory for oil seal spring



Torsion attachment and tools



Safety wiring, interlock cover for CE standard



Spring tray (air slide)

Simco Spring Machinery Company

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