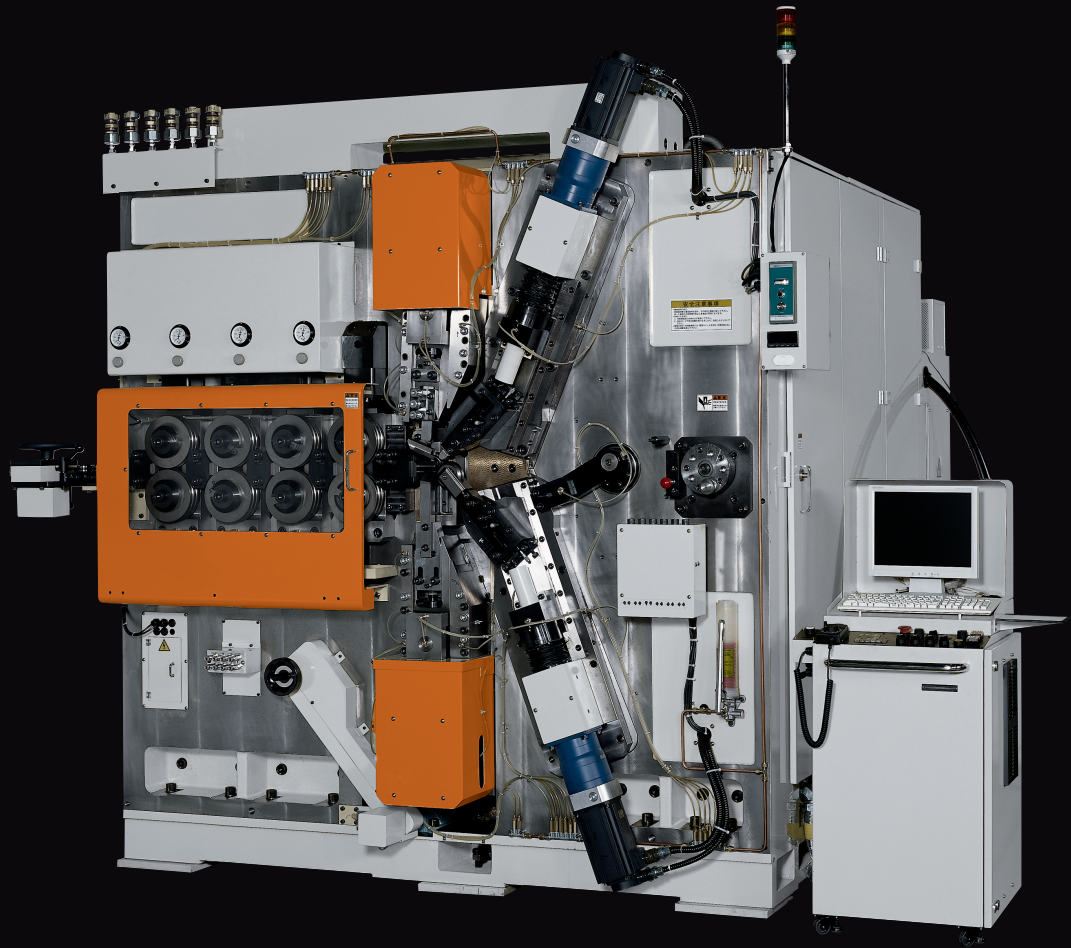


# CFF-12



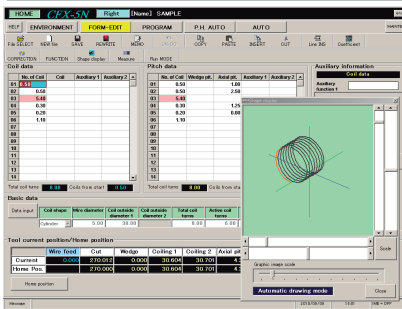
## HIGH SPEED & HIGH ACCURACY COILING MACHINE

BUILT IN ROTARY CUT SYSTEM

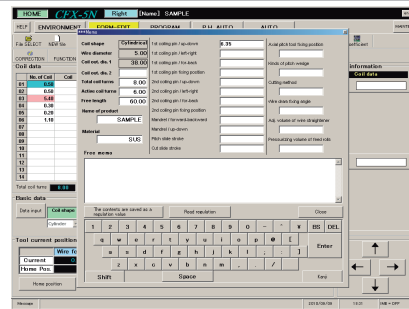
TORQUE COMPOSITION SYSTEM OF Z-AXIS SERVO MOTOR

BOTH MANDREL & ROTARY CUT SYSTEM ON A CENTER SLIDE

## AUTOMATIC PROGRAMMING SYSTEM



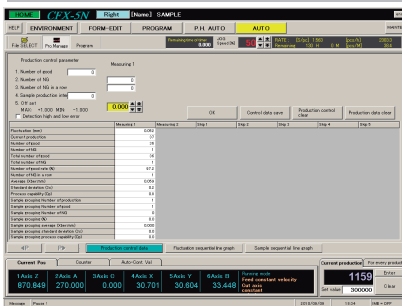
DATA ENTRY SCREEN



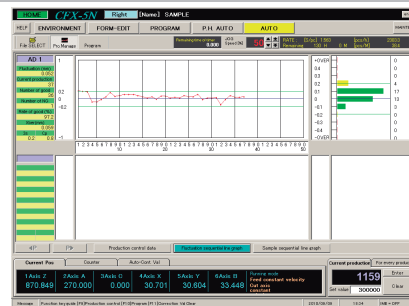
SETUP MEMO SCREEN

- A BASIC PROGRAM IS AUTOMATICALLY CREATED SIMPLY BY ENTERING THE SPRING DATA. 3D SPRING MODEL IS DISPLAYED ON THE SCREEN.
- THE FINAL PROGRAM IS COMPLETED BY YOUR FINE ADJUSTMENT. THE SETUP MEMO SCREEN SAVES TIME AND INCREASES REPEATABILITY DURING SETUP CHANGES BY ALLOWING THE OPERATOR TO SAVE CRITICAL SETUP INFORMATION AND DATA.

## PRODUCTION CONTROL SYSTEM



STATISTICAL GRAPHIC DISPLAY



HISTOGRAM DISPLAY

- ANY DEVIATION OF FREE LENGTH, AVERAGE VALUE, STANDARD DEFLECTION AND PROCESS CAPABILITY IS DISPLAYED IN STATISTICAL GRAPHIC DISPLAY DURING PRODUCTION.
- ALL DATA CAN BE STORED ON THE USB FLASH DRIVE, AND CAN BE VIEWED ON THE PC SCREEN.

## SPECIFICATIONS

Wire diameter (mm)	φ 4.0 ~ 12.0 SWOSC-V φ 4.0 ~ 11.0 SWOSC-VHV	
Max.coil outside dia. (mm)	φ 150	
Spring index (D/d)	3 or more	
External memory unit	USB Connector	
Display	Liquid crystal color monitor	
External dimensions (mm)	Height	2,600
	Width	2,400
	Depth	2,800
Weight (approx./kg)	20,000	
Motor capacity (kW)	Wire feed	15 (× 4pcs)
	Cut/Pitch	11 (× 2pcs)
	Pitch/Cut	11 (× 2pcs)
	Axial pitch	3.5
	Mandrel front & rear	3.5
	Coiling pin #1	5
	Coiling pin #2	5
Coiling Unit	5	

## TOOL CHART

Wire diameter (mm)	5	6	7	8	9	10	11	12
Coiling pin	2	2	2	2	2	2	2	2
Feed roll	8		8		8		8	
Wire guide/left					1			
Wire guide/middle	3			3				
Wire guide/right	1	1		1		1		
Wire guide cap/left					1			
Wire guide cap/middle	3							
Wire guide cap/right	1							
Mandrel tool blank	1							
Pitch wedge/right	2							
Pitch wedge/left	2							
Cut off tool	1							
Axial pitch pin	2							

## STANDARD ACCESSORIES

1. WIRE FEEDING DEVICE
2. PITCH & CUT SLIDE (2 SLIDES - UPPER & LOWER)
3. COILING UNIT (2 PINS TYPE)
4. AXIAL PITCH DEVICE
5. MANDREL ADJUST UNIT (UP/DOWN,FRONT/REAR)
6. MANDREL RETRACTING UNIT (FRONT/REAR)
7. ROTARY CUT
8. PRE-COILING UNIT
9. WIRE STRAIGHTENER (5 ROLLERS ONLY HORIZONTAL)
10. OPERATION TOOLS WITH TOOL BOX

## OPTION

1. TOOL
2. FREE LENGTH MEASURING SENSOR
3. PRODUCTS SORTING AND EJECTING DEVICE



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