

Asahi-Seiki Manufacturing Co., Ltd.

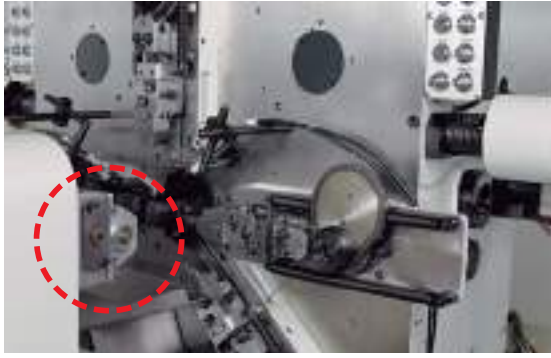
USF-P02



CNC SPRING FORMING MACHINE

GREAT ADVANTAGE IN FORMING SQUARE WIRE
TOOLS ROTATE WITH NO TWISTING OF WIRE

CNC UNIVERSAL SPRING FORMER **USF-PC2**



Universal Forming Unit Feature

Less tools and short setup time owing to UFU(Universal Forming Unit) that can form wire from any angle.

SPECIFICATIONS

Wire diameter (mm)	φ0.6 ~ 2.0	
Spring index (D/d)	4 or more	
Control unit	Simultaneous control by personal computer (Max. 8 axes)	
	Main CPU	OS: Windows-2000
	Control CPU	OS: MS-DOS
External memory unit	CF card	
Display	15.1 inch TFT color liquid crystal monitor	
External dimensions (mm)	Height	2000
	Width	1400
	Depth	2400
Weight (approx./kg)	1300	

AXIS CONSTRUCTION

EXAMPLE OF AXIS CONSTRUCTION

Axis	Use	Max. speed	Motor capacity (kW)
Z	Wire feed	90 m/min	2.0
C	Cam axis	150 rpm	2.0
I	Universal quill	300 rpm	0.75
U	Universal forming unit(rotation)	187.5 rpm	0.75
K	Universal forming unit(forming)	187.5 rpm	0.75
W	Universal forming unit (forward-backward)	30 m/min	0.75
X	Curling slide	300 rpm	0.75
Y	Servoslide	300 rpm	0.75
A	2nd hook forming unit(hooking)	300 rpm	0.75
B	2nd hook forming unit (transferring)	300 rpm	0.75

TOOL CHART

Name	Wire dia. (mm)															
	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	2.0		
Feed roll	2		2		2		2		2		2		2			
Quill liner (pair)	1		1		1		1		1		1		1			
Middle Liner (pair)	1		1		1		1		1		1		1			
Quill	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mandrel - right	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Mandrel - left	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Universal body tool - right	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Universal body tool - left	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Universal forming tool - carbide pin type	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Universal forming tool - tool steel															1	
Cut off tool															2	

MACHINE CONSTITUTION

STANDARD ACCESSORIES

Universal forming unit 1set	Universal quill
Standard forming slide 2sets	Hook alignment device
Wire feeding section	Operation tool
Cam axis driving section	

OPTION

Additional standard forming slide	Additional hook alignment device
Curling slide	Products ejecting device
Servo slide	Universal curling head
2nd hook forming unit	



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