

SAFFRON INTERNATIONAL

IMPORT & EXPORT INTERNATIONAL LEVEL

**"Your trusted source for new and refurbished all
of wire machinery in:-> Springs-> Wire Forming
and Bending-> Stamping-> Grinding-> Material Testing"**

www.saffroninternational.in



ABOUT US

Saffron International

Saffron International is a supplier of industrial machinery and equipment for spring manufacturing, wire forming, and related production applications. We work with trusted technology partners to supply machines that are reliable, practical, and suitable for everyday industrial use.

Over the years, we have worked closely with manufacturers across different markets and production environments. This exposure helps us understand how machines perform in real conditions and what customers expect in terms of accuracy, stability, and long-term operation. Our recommendations are based on practical requirements, not assumptions.

Manufacturing technology continues to change, with increasing focus on automation, consistency, and efficiency. To support this, we regularly review and update our product range so our customers can access solutions that meet current production needs without unnecessary complexity.

OUR APPROACH

We believe the right machine is one that fits the process and works consistently over time. For this reason, we take a careful and structured approach when recommending equipment.

Before supplying any machine, we consider:

The customer's production process

- Required accuracy and output levels
- Operating conditions and workload
- Ease of operation and maintenance

This helps ensure the supplied equipment supports stable production and long-term performance.



CUSTOMER SUPPORT & COOPERATION

We value long-term cooperation and clear communication. Our role does not end with supplying equipment. We stay involved to support smooth installation and operation. Our support includes:

- Application-based machine selection
- Coordination during installation and start-up
- Basic operational guidance
- Spare parts and service coordination

Our aim is to remain a reliable point of contact throughout the life of the equipment

OUR PRODUCT RANGE

Saffron International supplies a focused range of industrial machinery and accessories, including:

- Spring Forming Machines
- Wire Bending Machines
- Coiling Machines
- Special Purpose Machines
- Grinding Machines / Grinding wheels
- Furnance Machines
- Controllers

Each product is selected with attention to performance stability, process accuracy, and suitability for continuous industrial operation.



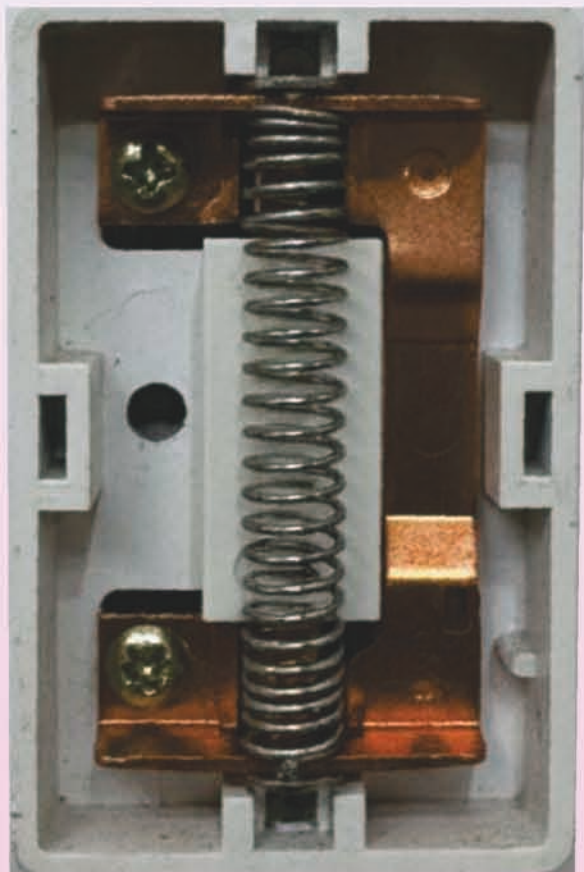
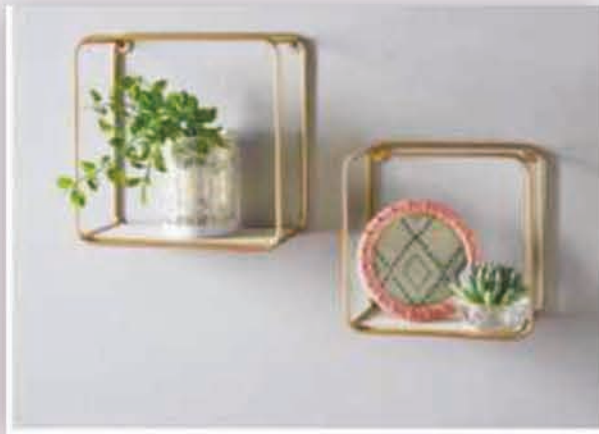
Automobile and motorcycle parts.





Household Goods





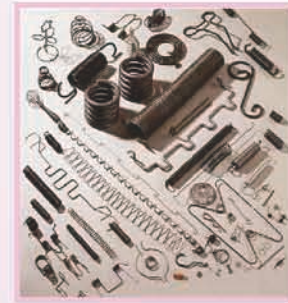
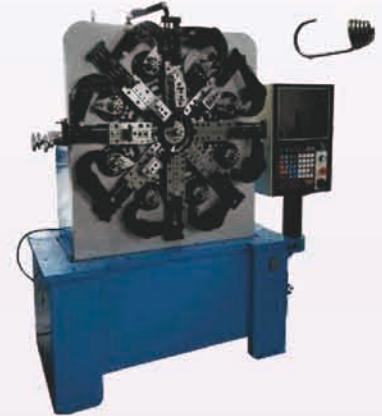
SI- 20 F



The feeding Tray



SI-35F



CNC spring forming machine is to produce kinds of springs expertly with high precision and fast speed. Adopts Japanese Sanyo Denki servo motor and high quality controlling system. It can produce kinds of compression spring, torsion spring, tension spring ,abnormal spring and other wire forms. Can be extended to 4 axis with spinner upon request.

Technical Parameter

Model	SFI-20B	SFI-35W	SFI-45W	SFI-50W	SFI-65W
Wire size(mm)	0.2-2.5	1.0-4.0	1.0-4.5	1.0-5.0	3.0-6.5
Max. outer dia.	50mm	50mm	110mm	60mm	110mm
Axes	3(4)	3(4)	3(4)	3(4)	3(4)
Feeding length	unlimited	unlimited	unlimited	unlimited	unlimited
Wire feed speed	0-100M/min	0-75M/min	0-75M/min	0-75M/min	0-75M/min
Wire feed Motor	2.7kw	5.5kw	7.5kw	7.5kw	15.0kw
Cam motor	2.7kw	5.5kw	7.5kw	7.5kw	7.5kw
Quill motor	1.0kw	1.0kw	1.0kw	1.0kw	1.5kw
the feeding tray	100KG	200KG	500KG	500KG	500KG
Size(L*W*H)cm	140*85*185 112*95*98	160*80*190 112*100*99	220*90*200 160*145*124	210*80*190 160*145*124	220*90*190 160*145*124
Weight	900.0kg	1200.0kg	1300.0kg	1400.0kg	1500.0kg

CNC Spring Forming Machine :



SI-25FR



SI - 45 FR



CNC spring forming machine is to produce kinds of springs expertly with high precision and fast speed. Adopts Japanese Sanyo Denki servo motor and high quality controlling system. It can produce kinds of compression spring, torsion spring, tension spring ,abnormal spring and other wire forms. Can be extended to 5 axis with spinner upon request.

Technical Parameter

Model	SFI-25W-4	SFI-40W-5	SFI-45W-5
Wire size(mm)	0.8-2.5	1.0-4.0	1.0-4.5
Max. outer dia.	mm	mm	110mm
Axes	4 (5	5	4 (5
Feeding length	unlimited	unlimited	unlimited
Wire feed speed	0-100M/min	0-75M/min	0-75M/min
Production rate	1-120pcs/min	1-100pcs/min	1-100pcs/min
Wire feed Motor	2.7kw	5.5kw	5.5kw
Cam servo motor	2.7kw	5.5kw	5.5kw
Quill servo motor	0.4kw	1.0kw	1.5kw
Wire-switching servo motor	2.7kw	3.0kw	5.5kw
Spinner axis servo motor	0.4kw	1.0kw	1.0kw
the feeding tray	100KG	400KG	500KG
Size(L*W*H) CM	160x110x180 145*145*130	235x135x190 161*161*141	235x135x190 161*161*141
Weight	1500.0kg	3500.0kg	3600.0kg



SPRING FORMING MACHINE

SFI-1025



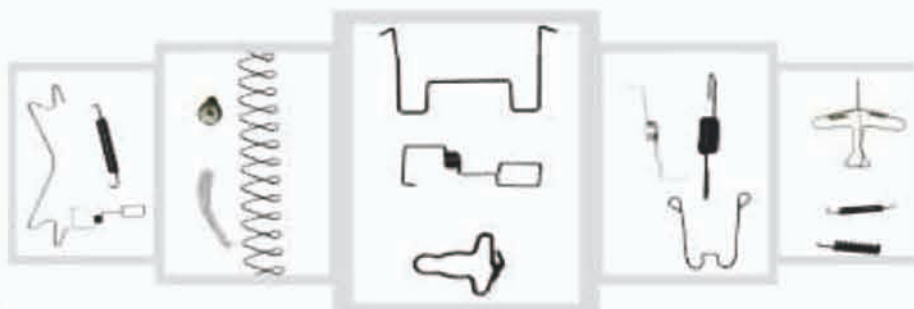
- Individual servo slides for easy setup and adjustment
- Quick-release wire straighteners
- Fast and stable wire feed box



Specification

Model	SFI-1025
Came Type	Without Cam
Wire Diameter	0.3-2.5 mm
Axis	10-11
Max.Wire Feed Value	9999.99 mm
Min.Wire Feed Value	0.01 mm
Max.Wire Feed Speed	100000 mm/min
Slide Axis (Optional)	7 * 0.75 kw
Quill Rotary Axis	1 * 0.4kw
Wire Feeding Axis	1 * 2.7kw
Free Arm Axis(Optional)	0.4 kw
Spinner Axis	0.4 kw
Compressor Air Pressure	5-6 kg/cm
Probe	4 pcs
Dimension(M)	1.86*1.07*1.87m
Weight	1100kg

SAMPLES



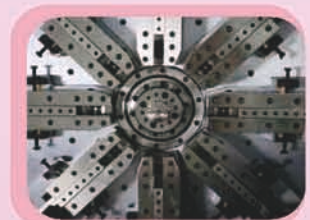


SPRING FORMING MACHINE

SFI-1225R



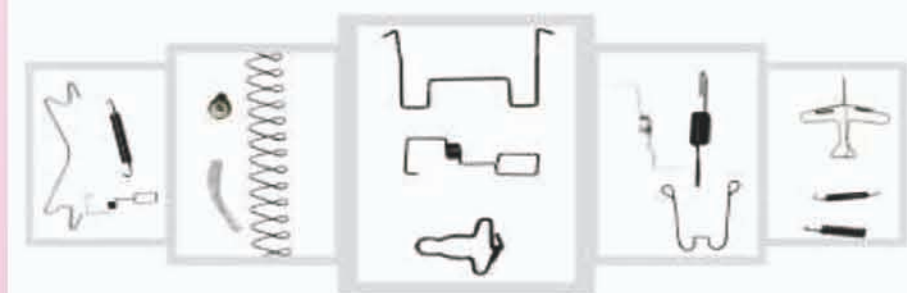
- Individual servo slides for easy setup and adjustment
- Quick-release wire straighteners
- Fast and stable rotary wire feed box
- Quill forward and backward is optional



Specification

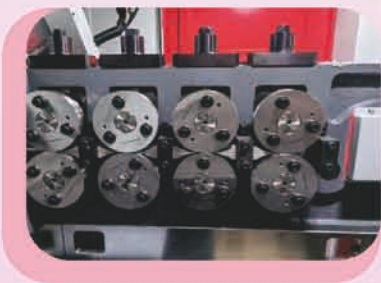
Model	SFI-1225R
Cam Type	Without Cam
Wire Diameter	0.5-2.5 mm
Axis	12-14
Max.Wire Feed Value	9999.99 mm
Min.Wire Feed Value	0.01 mm
Max.Wire Feed Speed	100000 mm/min
Slide Axis (Optional)	8 * 0.75kw
Quill Rotary Axis	1 * 0.4 kw
Wire Rotary Axis	1 * 2.7 kw
Wire Feeding Axis	1 * 2.7 kw
Spinner Axis	0.4 kw
Free Arm Axis (Optional)	0.4 kw
Compressor Air Pressure	5 - 6 kg/cm
Probe	4 pcs
Dimension	1.70 * 1.45 * 1.70m
Weight	1500 kg

SAMPLES



SPRING FORMING MACHINE

SFI-1265R



- Individual servo slides for easy setup and adjustment
- Quick-release wire straighteners
- Fast and stable rotary wire feed box
- Quill forward and backward is optional

Specification

Model	SFI-1265R
Cam Type	Without Cam
Wire Diameter	2.5-6.5 mm
Axis	12-14
Max.Wire Feed Value	9999.99 mm
Min.Wire Feed Value	0.01 mm
Max.Wire Feed Speed	30000 mm/min
Slide Axis (Optional)	8 * 4.5 kw
Servo Cut er	2kw
Quill Rotary Axis	1 * 1.2 kw
Wire Rotary Axis	1 * 4.5 kw
Wire Feeding Axis	1 * 15 kw
Spinner Axis	2.7 kw
Compressor Air Pressure	5-6 kg/cm
Probe	4 pcs
Dimension (M)	3.6 * 2.1* 2.1m
Weight	6500kg

SAMPLES





SPRING FORMING MACHINE

SFI-525R

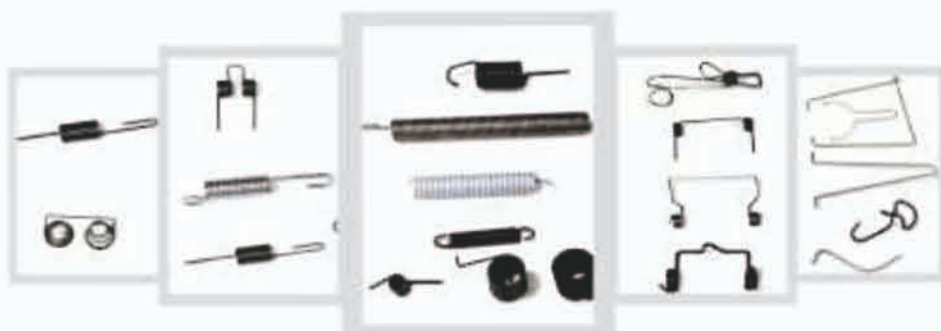


- Quick-release wire straighteners
- Fast and stable rotary wire feed box
- Economical for high-volume production

Specification

Model	SFI-525R
Cam Type	With Cam
Wire Diameter	0.5-2.5 mm
Axis	5-6
Max.Wire Feed Value	9999.99 mm
Min.Wire Feed Value	0.01 mm
Wire Feed Rollers Groups	3 sets
Max.Wire Feed Speed	100m/min
Quill Rotary Axis	0.4 kw
Wire Rotary Axis	2.0 kw
Cam Axis	2.7 kw
Spinner Axis	0.4 kw
Wire Feeding Axis	2.7 kw
Compressor Air Pressure	5-6 kg/cm
Probe	4 pcs
Dimension	1.30* 1.10* 1.75m
Weight	1500kg

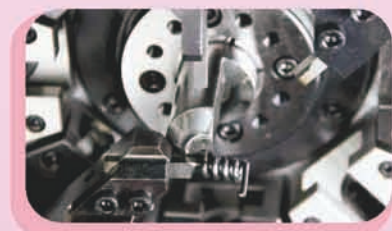
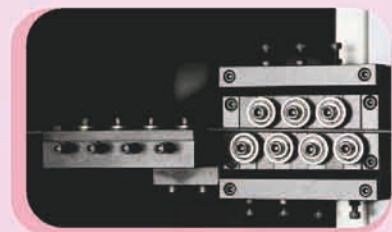
SAMPLES





SPRING FORMING MACHINE

SFI-20



- Individual servo slides for easy setup and adjustments
- Quick-release wire straighteners
- Fast and stable wire feed box

Specification

Model	SFI-20
Cam Type	With Cam
Wire Diameter	0.3 - 2.5 mm
Axis	3-4
Max.Wire Feed Value	9999.99 mm
Min.Wire Feed Value	0.01 mm
Rotary Quill Axis	1.0 kw
Wire Feeding Axis	2.7 kw
Spinner Axis (Optional)	0.4 kw
Cam Axis	2.7 kw
Compressor Air Pressure	5 - 6 kg/cm
Probe	4 pcs
Dimension	1.25*0.95*1.86m
Weight	1000 kg

SAMPLES



3D CNC Wire Bending Machine

SFI-3D408R



SFI-3D408R

Ø Features:

- u Head rotates, wire stays fixed – ideal for heavy-duty bending (3-8mm wires)
- u Support English, Spanish and Chinese and support more languages customization.
- u With the function o remind you to maintain the machine.
- u With 3 axes 3D wire bending function, the option of chamfering, end forming, double head bending as your choice.
- u The fuselage and nose boast a robust one-piece casting process, delivering high resistance to deformation, outstanding stability, and exceptional concentricity.
- u Input materials: Stainless Steel, Aluminium, Brass, Bronze, Carbon Steel, Cold-Rolled Steel, Copper, Nickel, Titanium, etc.
- u Bends 3-8mm Round/Flat/Square Wires – Versatile Industrial Applications



Specification

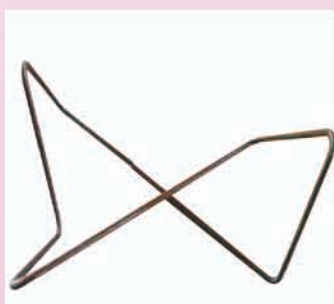
Specification

Model	SFI-3D408R
Soft Wire 600N/mm ²	3.0-8.0mm
Hard Wire 1400N/mm ²	3.0-6.0mm
Axis	3
Bending Motor	2.0kw
Wire Feeding Motor	2.7kw
Head Rotary Motor	2.0kw
Air Compressor	5-6kg/cm
Dimensions	2.44*1.50*1.74m
Weight	1900kg

Industry

- Construction
- Automotive
- Kitchenware
- Electronics
- Furniture manufacturing
- Custom Metalworking
- Art Installations
- Medical Equipment
- Appliance Production
- Wire Fencing

Sample





3D CNC Wire Bending Machine

SFI-3D413R



Ø Features:

- u Head rotates, wire stays fixed – ideal for heavy-duty bending (4-13mm wires)
- u more languages customization.
- u With the function o remind you to maintain the machine.
- u With 3 axes 3D wire bending function, the option of chamfering, end forming, double head bending as your choice.
- u The fuselage and nose boast a robust one-piece casting process, delivering high resistance to deformation, outstanding stability, and exceptional concentricity.
- u Input materials: Stainless Steel, Aluminium, Brass, Bronze, Carbon Steel, Cold-Rolled Steel, Copper, Nickel, Titanium, etc.
- u Bends 4-13mm Round/Flat/Square Wires – Versatile Industrial Applications

SAFFRON

INTERNATIONAL



Specification

Industry

- Construction
- Automotive
- Kitchenware
- Electronics
- Furniture manufacturing
- Custom Metalworking
- Art Installations
- Medical Equipment
- Appliance Production
- Wire Fencing

Specification

Model	SFI-3D413R
Soft Wire 600N/mm ²	4.0-13.0mm
Hard Wire 1400N/mm ²	4.0-8.0mm
Axis	3
Bending Motor	4.5kw
Wire Feeding Motor	5.5kw
Head Rotary Motor	4.5kw
Air Compressor	5-6kg/cm
Dimensions	2.82*1.75*1.77m
Weight	2400kg

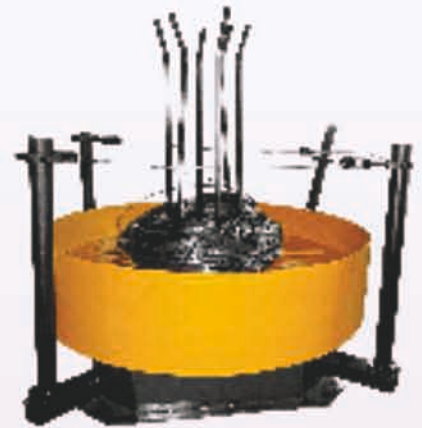
Sample



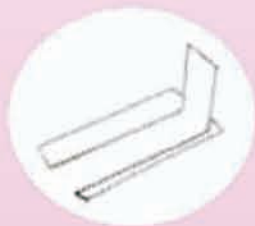
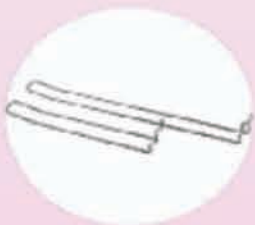


3D CNC Wire Bending Machine

SFI-3D-100-8A



SFI -3D-70-7A



3D CNC Wire Bending Machine

CNC wire bending machine is to produce kinds of 2D and 3D wire forms expertly with high precision and fast speed. Adopts Japanese branded servo motor and screen display with high quality controller. Easy operation and fast turn-key.

Advantages & Feature

3-4 pairs feeding roller , feeding motor fixed on the bottom base, so as to decrease the feeding box weight, that wire rotating is more fast and light , turning angle is more precise and stable.

Twisting head is designed in copper tube transport, more stable and stronger than bearing transfer.

GT-WB-100-9A 3-4

Application field

- | | | |
|-----------------------|------------------------|--------------------------|
| 1) Auto Industry area | 2) Metal wire industry | 3) Furniture and Kitchen |
| 4) Hardware industry | 5) Architecture area | 6) Hardware Artcraft |

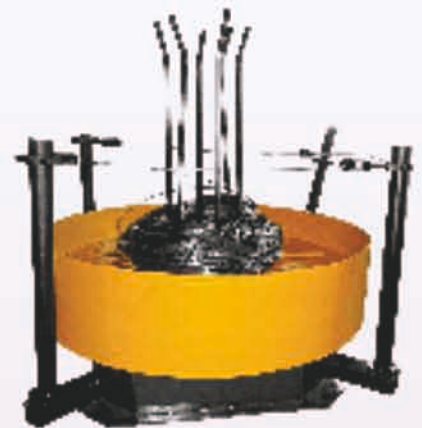
Technical Parameter

Model	SFI -120R-8A	SFI -3D-100-8A	SFI -3D-80-8A	SFI -3D-70-8A	SFI- 3D-70-7A	SFI- 3D-60-8A	SFI-3D-60-7A
Wire size	6.0-12.0mm	4.0-10.0mm	3.0-8.0mm	2.0-7.0mm	2.0-7.0mm	2.0-6.0mm	2.0-6.0mm
Axis	8	8	8	8	7	8	7
wire feeding value (mm)	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01
Feeding length number	3pairs/	3pairs/	3 pairs/	3pairs/	3 pairs/	2 pairs/	2pairs/
Wire turning angle	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Platform Lifting Height	+25 -120mm	+25 -120mm	+25 -120mm	+25 -120mm	+50 -170mm	+50 -170mm	+50 -170mm
twisting head lift height	+20 -180mm	+20 -180mm	+20 -180mm	+20 -180mm	+20 -100mm	+20 -100mm	+20 -100mm
left to right moving range	Left :100mm Right :50mm	Left :100mm Right :50mm	Left :100mm Right :50mm	Left :80mm Right :80mm	Left :80mm Right :80mm	Left :80mm Right :80mm	Left :80mm Right :80mm
Total output power of servo motors	23KW	20.1KW	18.2KW	17.2 KW	15.7KW	12KW	11KW
Automatic decoiler	1000KG	800KG	500KG	500KG	500KG	500KG	500KG
machine size (cm)	420*152*160 185*185*108	420x152x160 165*165*108	380x152x160 160*160*140	300x170x140 160*160*140	250x120x140 160*160*140	250x100x140 160*160*140	250x100x140 160*160*140
machine weight	4500.0(kg)	4200.0(kg)	3800.0(kg)	2300.0(kg)	2000(kg)	1600(kg)	1500(kg)

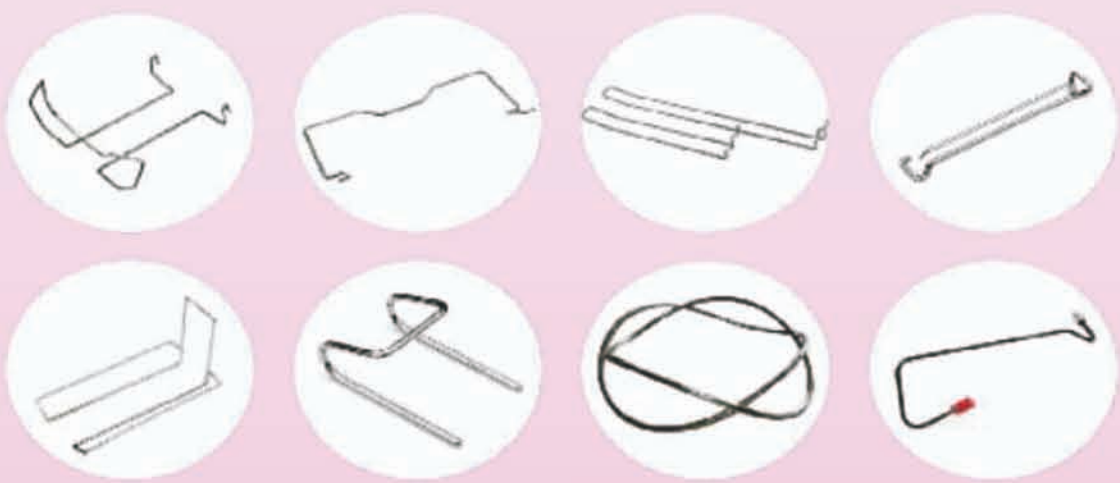


3D CNC Wire Bending Machine

SFI-3D-100-8A



SFI -3D-70-7A



3D CNC Wire Bending Machine

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Advantages & Feature

3-4 pairs feeding roller , feeding motor fixed on the bottom base, so as to decrease the feeding box weight, that wire rotating is more fast and light , turning angle is more precise and stable.

Twisting head is designed in copper tube transport, more stable and stronger than bearing transfer.

GT-WB-100-9A 3-4

Application field

- | | | |
|-----------------------|------------------------|--------------------------|
| 1) Auto Industry area | 2) Metal wire industry | 3) Furniture and Kitchen |
| 4) Hardware industry | 5) Architecture area | 6) Hardware Artcraft |

Technical Parameter

Model	SFI -120R-8A	SFI 3D-100-8A	SFI -3D-80-8A	SFI -3D-70-8A	SFI- 3D-70-7A	SFI- 3D-60-8A	SFI-3D-60-7A
Wire size	6.0-12.0mm	4.0-10.0mm	3.0-8.0mm	2.0-7.0mm	2.0-7.0mm	2.0-6.0mm	2.0-6.0mm
Axis	8	8	8	8	7	8	7
wire feeding value (mm)	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01	Min.0.01
Feeding length number	3pairs/	3pairs/	3 pairs/	3pairs/	3 pairs/	2 pairs/	2pairs/
Wire turning angle	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Platform Lifting Height	+25 -120mm	+25 -120mm	+25 -120mm	+25 -120mm	+50 -170mm	+50 -170mm	+50 -170mm
twisting head lift height	+20 -180mm	+20 -180mm	+20 -180mm	+20 -180mm	+20 -100mm	+20 -100mm	+20 -100mm
left to right moving range	Left :100mm Right :50mm	Left :100mm Right :50mm	Left :100mm Right :50mm	Left :80mm Right :80mm	Left :80mm Right :80mm	Left :80mm Right :80mm	Left :80mm Right :80mm
Total output power of servo motors	23KW	20.1KW	18.2KW	17.2 KW	15.7KW	12KW	11KW
Automatic decoiler	1000KG	800KG	500KG	500KG	500KG	500KG	500KG
machine size (cm)	420*152*160 185*185*108	420x152x160 165*165*108	380x152x160 160*160*140	300x170x140 160*160*140	250x120x140 160*160*140	250x100x140 160*160*140	250x100x140 160*160*140
machine weight	4500.0(kg)	4200.0(kg)	3800.0(kg)	2300.0(kg)	2000(kg)	1600(kg)	1500(kg)



CNC Spring Making Machine

SFI -11250(JS-Z51K-25-11)

Model:SFI -11250

Machine Features

The 11-axis CNC spring machine has 11 sets of servo motors, completely abandoning the traditional 5-axis operation of the cumbersome cam reducing mechanism. The numerical control system directly controls the outer diameter and the variable diameter of the spring and the new workers are easy to learn and understand. The feeding system has 6 sets of servo motors optimized for the 6-axis function. The total power of the wire-feeding motor reaches 90kw. The control system can control a single motor (optional for small-diameter springs) or 6 motors for high-speed feeding wires synchronously and stably. When the large-diameter spring is rolled, the six sets of wire feeding wheels make the force of each wire feeding shaft small, the original shape accuracy of the steel wire is not crushed, and the sufficient wire pulling force ensures the wire feeding precision, achieving the production speed and consistency accuracy of similar products in Europe; the weight matching is sufficient, and the auxiliary core knife mechanism adopts the hydraulic pressure. The locking function is fixed by the hydraulic top after lifting, the operation is convenient, the vibration is small, and the cutting precision is high; after the wire is changed, the wire elbow mechanism accelerates the first circle of the spring; The straight cutting, subtend cutting, swing cutting and twist cutting functions are equipped. The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

Model	SFI -11250	SFI -11200	SFI -11180	
Servo Axes	11	11	11	
Wire Diameter (mm)	10.0-25.0	10.0-20.0	8.0-18.0	
Outside Diameter (mm)	280	250	250	
Wire Feed Length	Limitless	Limitless	Limitless	
Wire Feed Speed (m/min)	96	96	96	
Production Rate (pcs/min)	18-23	18-23	18-23	
Left or Right Winding Rate (Dm/d)	3	3	3	
Wire Feed Cam	6	6	6	
Wire Feed Axis (kw)	30×6	15×6	15×6	
Diameter Axis (kw)	15×2	7×2	5.5×2	
Pitch Axis (kw)	7	5.5	5.5	
Upper Cutting Axis (kw)	30	30	25	
Lower Cutting Axis (kw)	30	30	25	
Servo Motor (kw)	277	169.5	156.5	
Dimensions	L (mm)	4650	4600	4550
	W(mm)	3000	2600	2550
	H (mm)	3360	3000	2950
Machine Weighing Weight (kg)	37800	32000	30000	

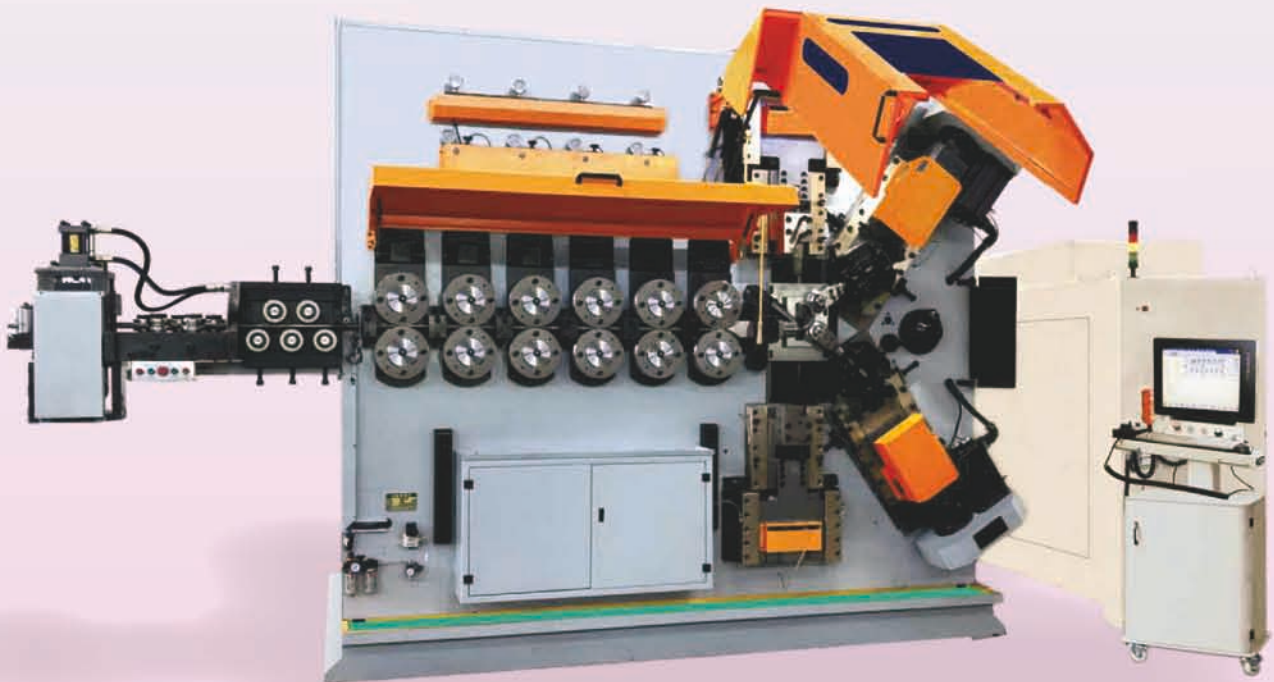




SFI -1 1250

CNC Spring Making Machine

Invention patent technology





CNC Spring Making Machine

SFI -990

Model: SFI -990

Machine Features

The 9-axis CNC spring machine has 9 sets of servo motors. The coiling axis structure is a one-piece structure to achieve perfect and stable horizontal and vertical 2D coil spring movement; by the CNC system directly control the outside diameter of the spring and the diameter, the spring rotation only needs to use the control system to adjust, do not need to change the mechanical coiling axis slider; the up and down movement of the auxiliary core cutter is controlled by the servo motor, which makes the core cutter move with high precision and convenience. Moreover, the auxiliary core cutter and the cutter can be moved together, and the optimal position of the auxiliary core cutter and the cutter can be maintained without adjusting the position of the cutter when changing the outside diameter of the spring; straight cutting, subtend cutting, swing cutting, twisting cutting functions are complete; new workers are easy to learn and understand. The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

Model	SFI -990	
Servo Axes	9	
Wire Diameter (mm)	3.0-9.0	
Outside Diameter (mm)	120	
Wire Feed Length	Limitless 无限	
Wire Feed Speed (m/min)	I 档70 II 档140	
Production Rate (pcs/min)	≤120	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	5	
Wire Feed Axis (kw)	30	
	3.8KW×2	
	3.8KW×2	
Pitch Axis	3.8	
Upper Cutting Axis (kw)	7	
Lower Cutting Axis (kw)	7	
	2KW	
Servo Motor (kw)	65	
Dimensions	L(mm)	2200
	W(mm)	1880
	H(mm)	2650
Machine Weight (kg)	9800	





SFI -990

CNC Spring Making Machine

Invention patent technology





CNC Spring Making Machine

SFI -960

Model: SFI -960

Machine Features

The 9-axis CNC spring machine has 9 sets of servo motors. The coiling axis structure is a one-piece structure to achieve perfect and stable horizontal and vertical 2D coil spring movement; by the CNC system directly control the outside diameter of the spring and the diameter, the spring rotation only needs to use the control system to adjust, do not need to change the mechanical coiling axis slider; the up and down movement of the auxiliary core cutter is controlled by the servo motor, which makes the core cutter move with high precision and convenience. Moreover, the auxiliary core cutter and the cutter can be moved together, and the optimal position of the auxiliary core cutter and the cutter can be maintained without adjusting the position of the cutter when changing the outside diameter of the spring; straight cutting, subtend cutting, twisting cutting functions are complete; new workers are easy to learn and understand. The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

Model	SFI - 960	
Servo Axes	9	
Wire Diameter (mm)	1.5-6.0	
Outside Diameter (mm)	90	
Wire Feed Length	Limitless 无限	
Wire Feed Speed (m/min)	0-150	
Production Rate (pcs/min)	≤150	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	4	
Wire Feed Axis (kw)	15	
	2KW × 2	
	2KW × 2	
Pitch Axis (kw)	2	
Upper Cutting Axis (kw)	3.8	
Lower Cutting Axis (kw)	3.8	
	1.5KW	
Servo Motor (kw)	34.1	
Dimensions	L(mm)	2280
	W(mm)	1285
	H(mm)	2350
Machine Weight (kg)	3600	



SFI -960

CNC Spring Making Machine

Invention patent technology



CNC Spring Making Machine

SFI -8120(JS-Z51K-12-8)

Model: SFI-8120

Machine Features

8 axis CNC spring machine has 8 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, and use the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. When coil spring with large diameter variation, the control system can set any changes of the angle between two coiling pin and automatically follow the most reasonable vertex positions of the coiling circle with different sizes, to ensure the circle size precision, new workers easy to learn and easy to understand. The auxiliary core cutter mechanism adopts the hydraulic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; The functions of straight cut, subtend cut, swing cut, twist cut are complete; Wire feeding mechanism has two speed transmission which are high speed and low speed; The control system adopts the most advanced 5G-3 D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

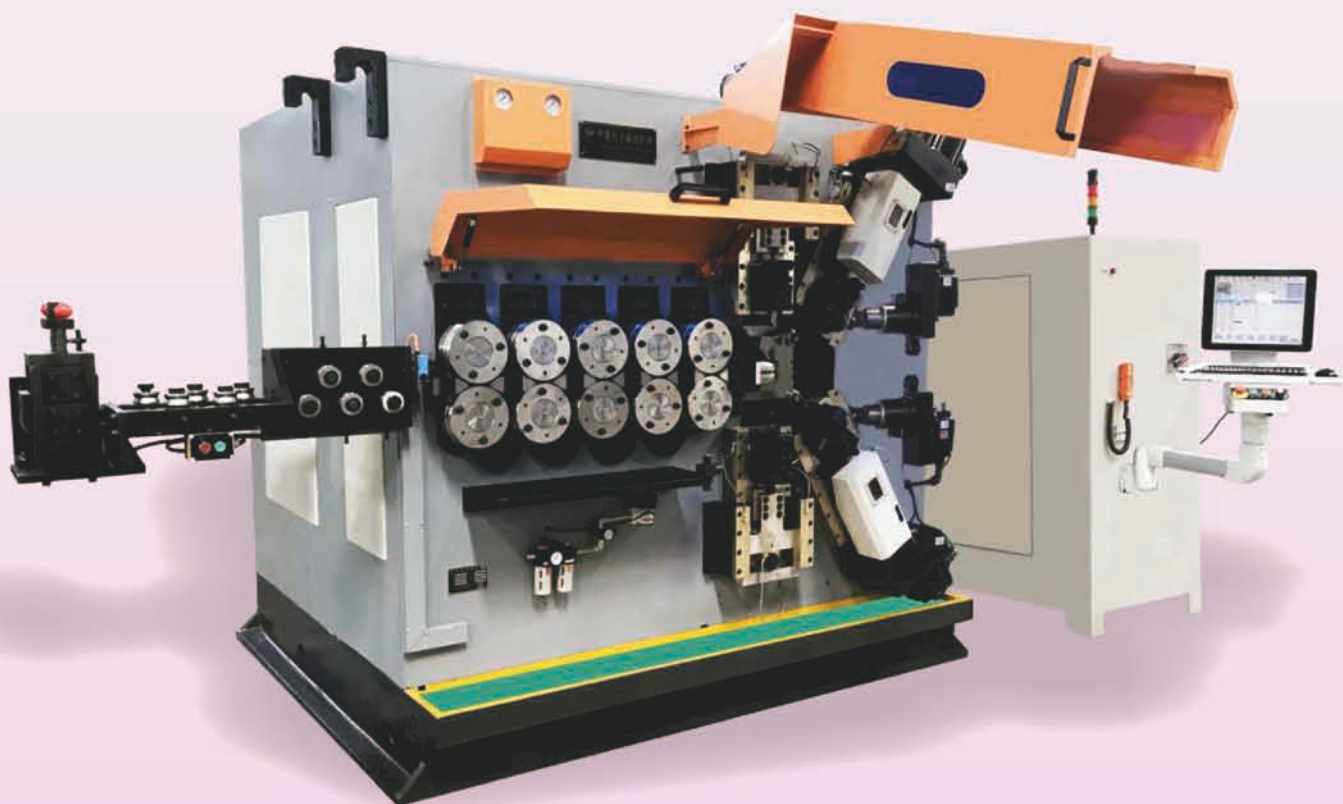
Model	SFI - 8120	
Servo Axes	8	
Wire Diameter (mm)	6.0-12	
Outside Diameter (mm)	150	
Wire Feed Length	Limitless	
Wire Feed Speed (m/min)	70 140	
Production Rate (pcs/min)	≤100	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	5	
Wire Feed Axis (kw)	30	
Diameter Axis (kw)	3.8x2	
Pitch Axis (kw)	4.4	
Mid Diameter Axis	2.7x2	
Cutting Axis	15x2	
ServoMotor(kw)	77.4	
Dimensions	L (mm)	3200
	W(mm)	2250
	H (mm)	2600
Machine Weight (kg)	15000	



SFI -8 120

CNC Spring Making Machine

Invention patent technology





CNC Spring Making Machine

SFI - 740

Model:SFI -740

Machine Features

The 7-axis CNC spring machine has 7 servo motors, completely abandoning the cumbersome CAM mechanical coiling axis slider ; by the CNC system directly control the outside diameter of the spring and the diameter, the spring rotation only needs to use the control system to adjust, do not need to change the mechanical reducer. The up and down movement of the auxiliary core cutter is controlled by the servo motor, which makes the core cutter move with high precision and convenience. Moreover, the auxiliary core cutter and the cutter can be moved together, and the optimal position of the auxiliary core cutter and the cutter can be maintained without adjusting the position of the cutter when changing the outside diameter of the spring; straight cutting, opposite cutting, swing cutting, twisting cutting functions are complete; new workers are easy to learn and understand. The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specifcation

Model	SFI -740	
Servo Axes	7	
Wire Diameter (mm)	1.0-4.0	
Outside Diameter (mm)	70	
Wire Feed Length	Limitless 无限	
Wire Feed Speed (m/min)	0-127	
Production Rate (pcs/min)	≤200	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	3	
Wire Feed Axis (kw)	5.5	
Diameter Axis (kw)	1.5KW x 2	
Pitch Axis(kw)	1	
Upper Cutting Axis (kw)	2.7	
Lower Cutting Axis (kw)	2.7	
	1	
Servo Motor (kw)	15.9	
Dimensions	L(mm)	1600
	W(mm)	1200
	H(mm)	1850
Machine Weight (kg)	1650	



SFI - 740

CNC Spring Making Machine

Invention patent technology



CNC Spring Making Machine

SFI - 6230(JS-Z51K-23-6)

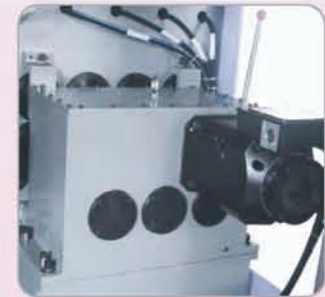
Model:SFI -6230

Machine Features

6 axis CNC spring machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, by the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. When coiling large wire diameter spring, six sets of wire feeding rollers make each wire feeding shaft bear less force, the original shape precision of steel wire is not crushed, enough wire feeding traction to ensure the wire feeding precision; The weight of itself is sufficient, the assist mandrel mechanism adopts the hydraulic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; Wire bending mechanism will speed up for the first circle of spring bending after change a new wire. The functions of straight cut, subtend cut, swing cut, twist cut are complete; The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

Model	SFI - 6230	SFI -6200	SFI - 6180	
Servo Axes	6	6	6	
Wire Diameter (mm)	10-23	10.0-20.0	9-18	
Outside Diameter (mm)	280	250	250	
Wire Feed Length	Limitless	Limitless	Limitless	
Wire Feed Speed (m/min)	37 100	37 100	37 100	
Production Rate (pcs/min)	≤80	≤80	≤85	
Left or Right Winding Rate (Dm/d)	3	3	3	
Wire Feed Cam	6	6	6	
Wire Feed Axis (kw)	55	55	55	
Diameter Axis (kw)	15×2	7×2	5.5×2	
Pitch Axis (kw)	7	5.5	5.5	
Upper Cutting Axis (kw)	30	30	25	
Lower Cutting Axis (kw)	30	30	25	
Servo Motor (kw)	152	134.5	121.5	
Dimensions	L (mm)	4650	4600	4550
	W(mm)	3000	2600	2550
	H (mm)	3360	3000	2950
Machine Weighing Weight (kg)	36800	32000	30000	

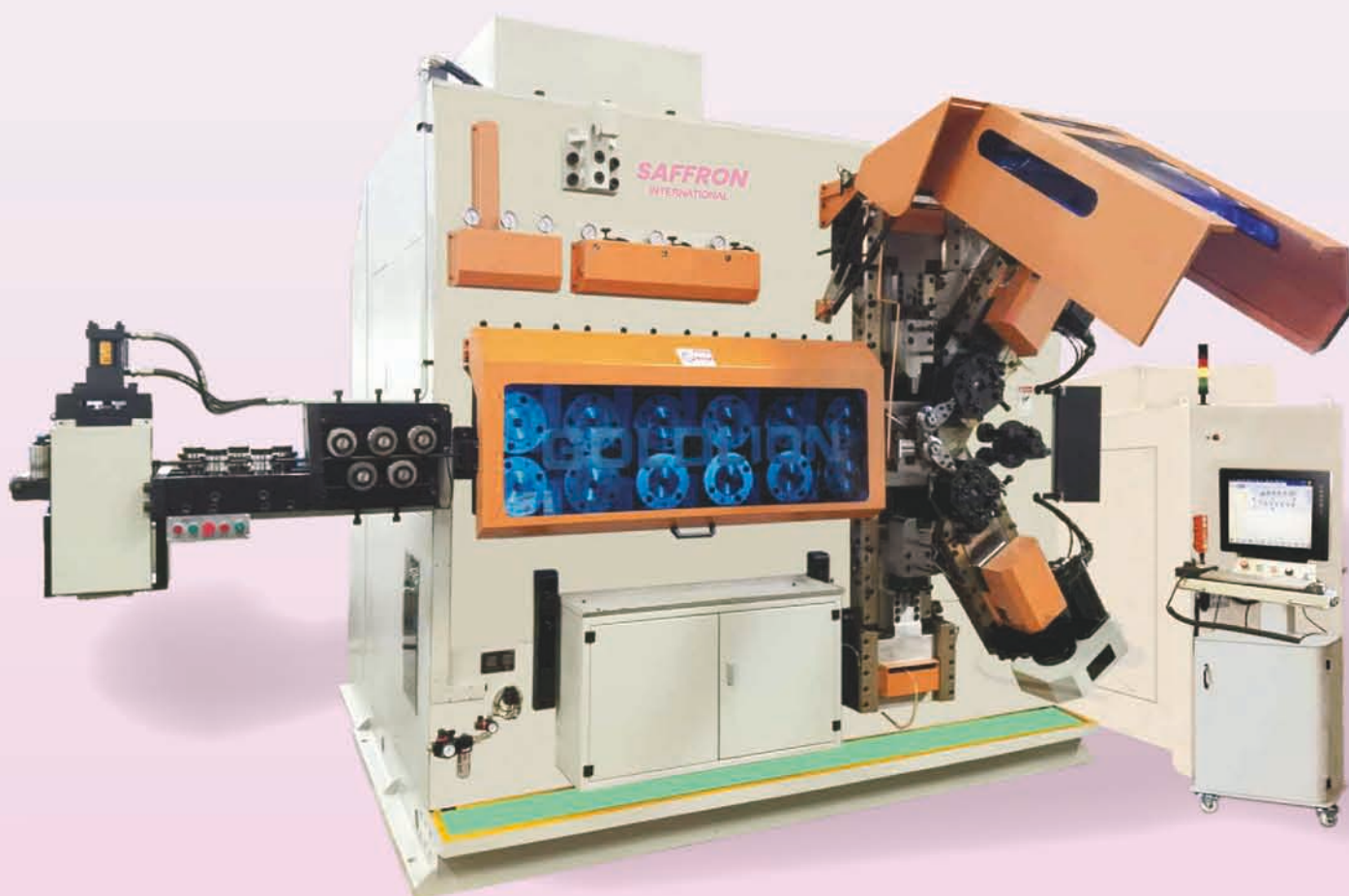




SFI - 6230

CNC Spring Making Machine

Invention patent technology



CNC Spring Making Machine

SFI -6160R(JS-Z51K-16-6R)

Model:SFI -6160R

Machine Features

CK6160R CNC spring machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, and use the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. When Coiling 15mm oil tempering wire spring, five groups of wire feed rollers can ensure that the original shape of the wire precision is not crushed, enough wire feed traction to ensure the wire feed precision; Wire bending mechanism will speed up for the first circle of spring bending after change a new wire. The functions of straight cut, subtend cut, swing cut, twist cut are complete; Wire feeding mechanism has two speed transmission which are high speed and low speed; The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

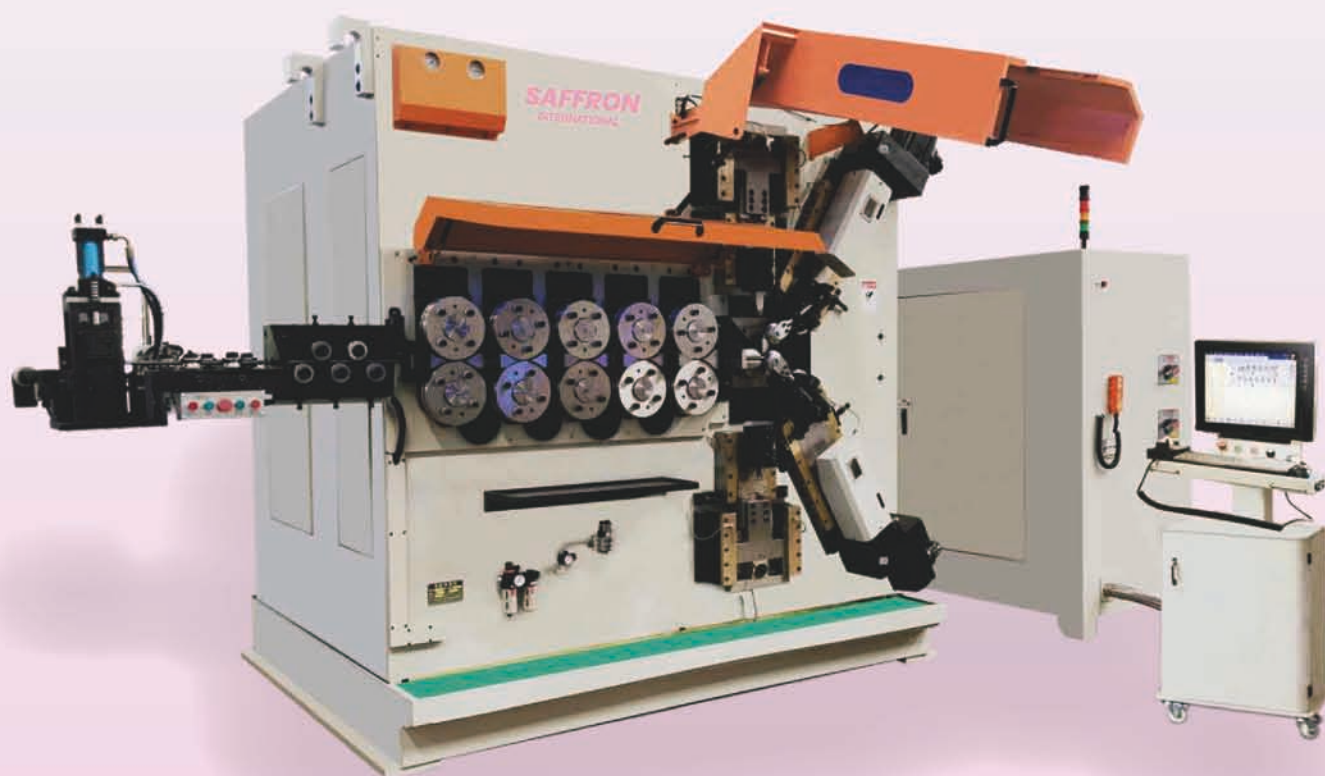
Model	SFI -6160R	
Servo Axes	6	
Wire Diameter (mm)	8.0-16.0	
Outside Diameter (mm)	210	
Wire Feed Length	Limitless	
Wire Feed Speed (m/min)	37 100	
Production Rate (pcs/min)	≤90	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	5	
Wire Feed Axis (kw)	37	
Diameter Axis (kw)	5.5×2	
Pitch Axis (kw)	5.5	
Upper Cutting Axis (kw)	25	
Lower Cutting Axis (kw)	25	
Servo Motor(kw)	103.5	
Dimensions	L (mm)	3650
	W(mm)	2300
	H (mm)	2800
Machine Weighing Weight (kg)	22000	



SFI - 6 1 6 0 R

CNC Spring Making Machine

Invention patent technology





CNC Spring Making Machine

SFI - 6120(JS-Z51K-12-6)

ModelSFI -6120

Machine Features

6 axis CNC spring machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, by the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. It increases the number of wire feeding rollers, when coiling specified wire spring, five groups of wire feed rollers can ensure that the original shape of the wire precision is not crushed, enough wire feed traction to ensure the wire feed precision;The assist mandrel mechanism adopts the hydraulic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; Wire bending mechanism will speed up for the first circle of spring bending after changing a new wire.The functions of straight cut, subtend cut, swing cut, twist cut are complete;Wire feeding mechanism has two speed transmission which are high speed and low speed; The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

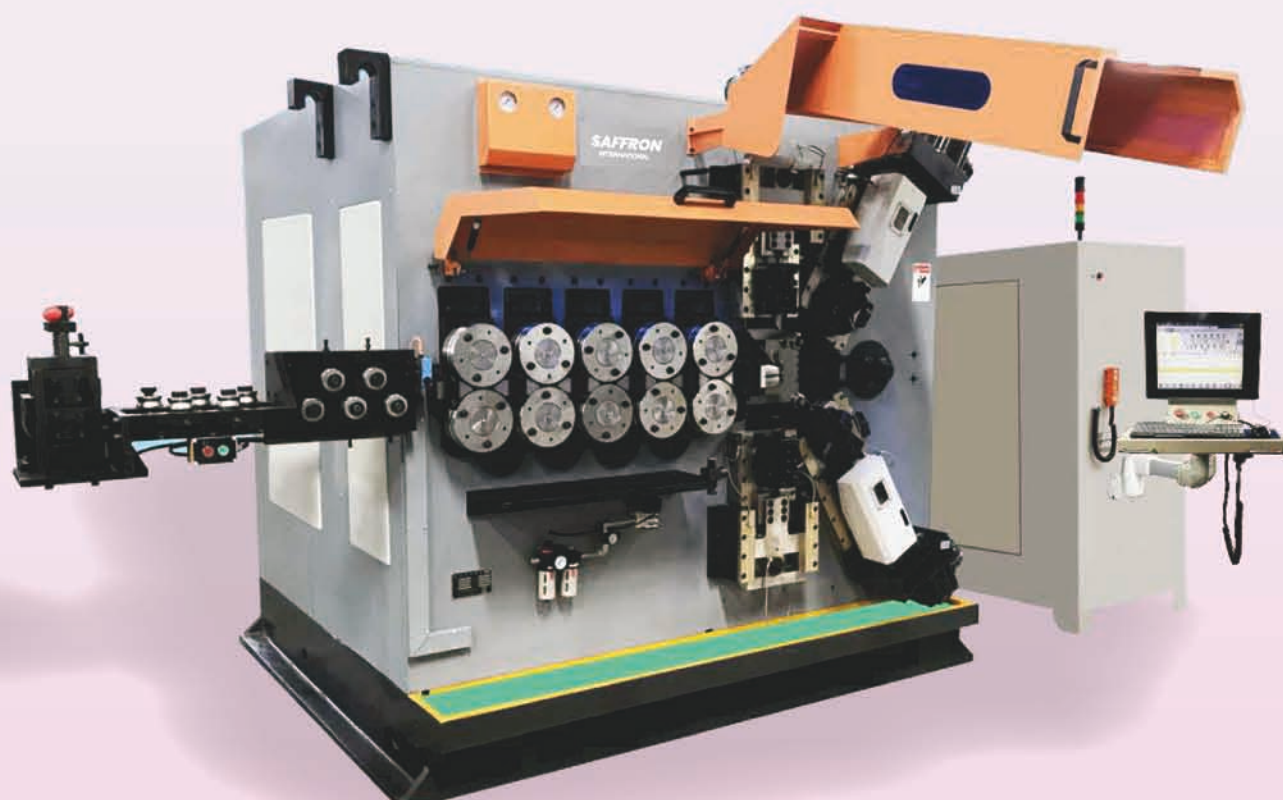
Specification

Model	SFI - 6120	
Servo Axes	6	
Wire Diameter (mm)	6.0-12.0	
Outside Diameter (mm)	150	
Wire Feed Length	Limitless	
Wire Feed Speed (m/min)	70 140	
Production Rate (pcs/min)	≤100	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	5	
Wire Feed Axis (kw)	30	
Diameter Axis (kw)	4.5x2	
Pitch Axis (kw)	4.4	
Upper Cutting Axis (kw)	15	
Lower Cutting Axis (kw)	15	
Servo Motor (kw)	72	
Dimensions	L (mm)	3200
	W (mm)	2250
	H (mm)	2600
Machine Weight (kg)	15000	

SFI - 6 1 2 0

CNC Spring Making Machine

Invention patent technology





CNC Spring Making Machine

SFI -690(JS-Z51K-9-6)

Model:SFI -690

Specification

Model	SFI - 690	
Servo Axes	6	
Wire Diameter (mm)	3.0-9.0	
Outside Diameter (mm)	120	
Wire Feed Length	Limitless	
Wire Feed Speed (m/min)	70 140	
Production Rate (pcs/min)	≤120	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	5	
Wire Feed Axis (kw)	30	
Diameter Axis (kw)	4.4x2	
Pitch Axis (kw)	3.8	
Upper Cutting Axis (kw)	11	
Lower Cutting Axis (kw)	11	
Servo Motor (kw)	64.6	
Dimensions	L (mm)	2218
	W (mm)	1850
	H (mm)	2300
Machine Weighing Weight	9800	

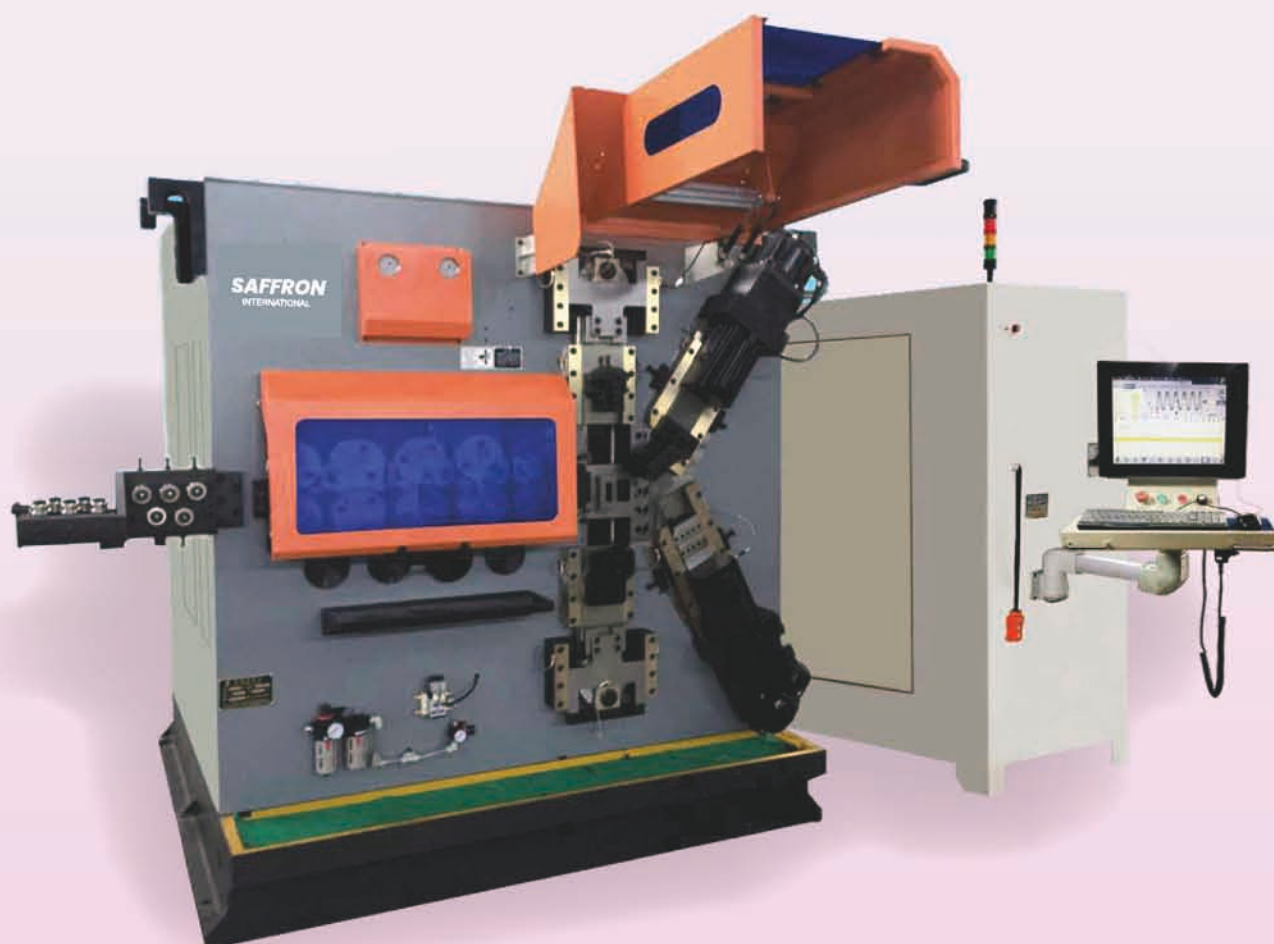
Machine Features

6 axis CNC spring machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, by the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. It increases the number of wire feeding rollers, when coiling specified wire spring, five groups of wire feed rollers can ensure that the original shape of the wire precision is not crushed, enough wire feed traction to ensure the wire feed precision;The assist mandrel mechanism adopts manual or automatic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; The functions of straight cut, subtend cut, swing cut, twist cut are complete;Wire feeding mechanism has two speed transmission which are high speed and low speed;The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

SFI -690

CNC Spring Making Machine

Invention patent technology



CNC Mould Coil Spring Making Machine

SFI - 660Y(JS-Z51K-6-6Y)

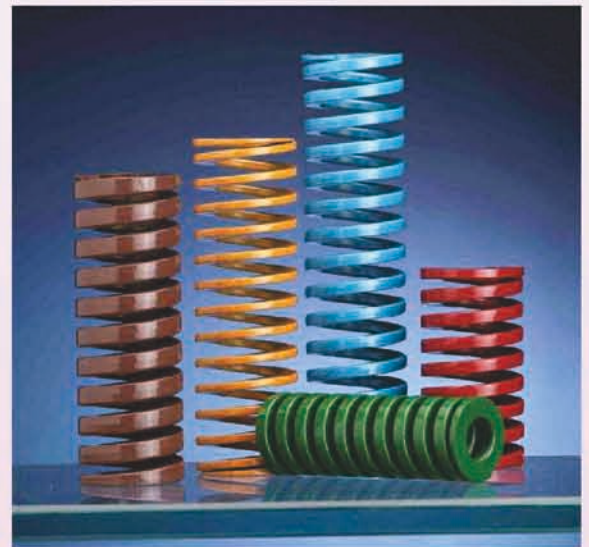
Model:SFI-660Y

Specification

Model	SFI-660Y	
Servo Axes	6	
Wire Diameter (mm)	1.5-6.0 6-6 x 6)	
Outside Diameter (mm)	90	
Wire Feed Length	Limitless	
Wire Feed Speed (m/min)	0-150	
Production Rate (pcs/min)	≤150	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	3	
Wire Feed Axis (kw)	15	
Diameter Axis (kw)	2×2	
Pitch Axis (kw)	2	
Upper Cutting Axis (kw)	3.8	
Lower Cutting Axis (kw)	3.8	
Servo Motor (kw)	28.6	
Dimensions	(mm)	1900
	(mm)	1285
	(mm)	2150
Machine Weight (kg)	3600	

Machine Features

CK660Y CNC mould coiling spring making machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, by the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. The assist mandrel mechanism adopts the hydraulic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; The functions of straight cut, subtend cut, swing cut, twist cut are complete; Suitable for rectangular wire, trapezoid wire and round wire to coil springs; The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet Interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.





SFI-660Y

CNC Mould Coil Spring Making Machine

Invention patent technology





SFI -660(JS-Z51K-6-6)

Model: SFI - 660

Machine Features

CK660 CNC spring making machine has 6 sets of servo motors, completely abandoned the traditional 5 axis CAM reducing mechanism whose operation is cumbersome, by the CNC system directly control the spring diameter and reducing diameter, new workers easy to learn and easy to understand. The assist mandrel mechanism adopts the hydraulic locking function, and it is fixed by the hydraulic jacking after lifting, which is easy to operate, with small vibration and high incision precision; The functions of straight cut, subtend cut, swing cut, twist cut are complete; The control system adopts the most advanced 5G-3D (AW5000) touch screen control system software, which is matched with the remote Internet interface. The software has 3D automatic programming template. After entering the required values, the system automatically generates the spring program, and the required spring can be completed with a little modification. Can be equipped with image detector.

Specification

Model		SFI - 660
Servo Axes		6
Wire Diameter (mm)		1.5-6.0
Outside Diameter (mm)		90
Wire Feed Length		Limitless
Wire Feed Speed (m/min)		0-150
Production Rate (pcs/min)		≤150
Left or Right Winding Rate (Dm/d)		3
Wire Feed Cam		3
Wire Feed Axis (kw)		15
Diameter Axis (kw)		2×2
Pitch Axis (kw)		2
Upper Cutting Axis (kw)		3.8
Lower Cutting Axis (kw)		3.8
Servo Motor (kw)		28.6
Dimensions	(mm)	1900
	(mm)	1285
	(mm)	2150
Machine Weight (kg)		3600



SFI - 660

CNC Spring Making Machine

Invention patent technology



CNC Spring Coiling Machine

Model: SFI-590、SFI-5120、SFI-5180、SFI-5200

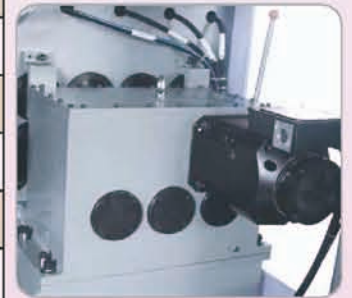
Machine Features

5 axis CNC spring machine has 5 sets of servo motors. compared with similar equipment, it increases the number of wire feeding rollers, improves the wire feed traction, the reliability of wire feed precision and wire feed shaft bearing durability. The size of all parts have increased, improved the strength and stiffness of the whole machine; Wire feeding mechanism has two speed transmission which are high speed and low speed; The functions of straight cut, subtend cut, swing cut, twist cut are complete; The control system matches the remote Internet interface, and the software has a graphical automatic programming template. After inputting the required value, the system will automatically generate a spring program, and the required coiled spring can be completed by slight modification. The machine can be equipped with image detector.

SFI-590(JS-Z51K-9-5)
SFI-5120(JS-Z51K-12-5)
SFI-5180(JS-Z51K-18-5)
SFI-5200(JS-Z51K-20-5)

Specification

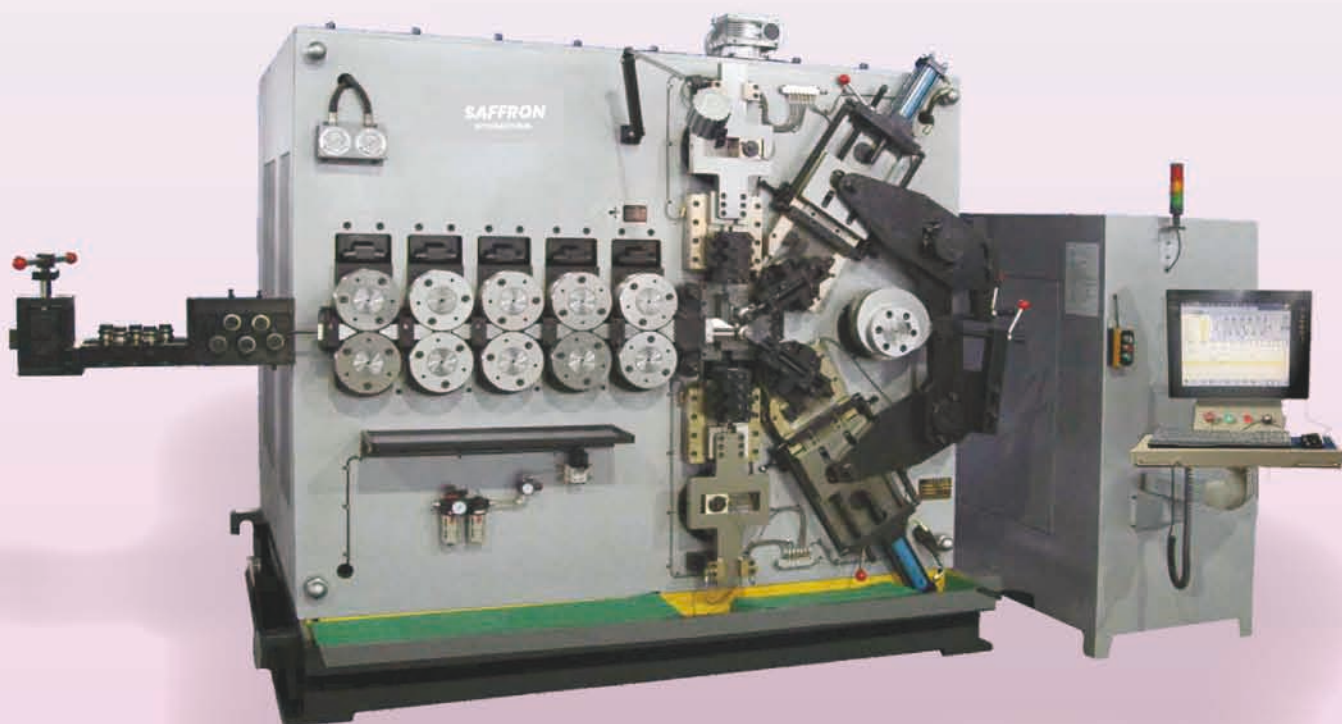
Model	SFI-590	SFI-5120	SFI-5180	SFI-5200	
Servo Axes	5	5	5	5	
Wire Diameter (mm)	3.0-9.0	6.0-12.0	8.0-18.0	10.0-20.0	
Outside Diameter (mm)	120	150	250	250	
Wire Feed Length	Limitless	Limitless	Limitless	Limitless	
Wire Feed Speed (m/min)	70-140	70-140	37-100	37-100	
Production Rate (pcs/min)	≤120	≤100	≤85	≤80	
Left or Right Winding Rate (Dm/d)	3	3	3	3	
Wire Feed Cam	5	5	6	6	
Wire Feed Axis (kw)	30	30	45-55	55	
Diameter Axis (kw)	7	11	15	22	
Pitch Axis (kw)	3.8	4.5	5.5	5.5	
Upper Cutting Axis (kw)	11	15	25	30	
Lower Cutting Axis (kw)	11	15	25	30	
ServoMotor (kw)	62.8	75.5	115.5-125.5	142.5	
Dimensions	L (mm)	2218	3200	4500	4600
	W (mm)	1850	2250	2500	2600
	H (mm)	2300	2600	2900	3000
Machine Weight (kg)	9800	15000	30000	32000	





SFI - 590 5120 SFI - 5180 5200

CNC Spring Coiling Machine





Spring Making Machine

SFI - 520

Model;SFI - 520

Machine Features

CK520 CNC spring machine has 5 sets of servo motors. Comparing with 3-axis CNC spring machine, it has the functions of straight cutting, subtend cutting, twist cutting, etc., and the modification is more convenient and quicker. The main parts are elaborately made of highly durable materials. With advanced technology and high precision, it is the preferred equipment for manufacturing springs. It could be equipped with image detector.

Specifcation

Model	SFI - CK520	
Servo Axes	5	
Wire Diameter	ϕ 0.3 - ϕ 2.0	
Outside Diameter	Max ϕ 50	
Wire Feed Length	Limitless	
Wire Feed Speed m/min	0-135m/min	
Production Rate PCS/min	\leq 300	
Left or Right Winding Rate (Dm/d)	3	
Wire Feed Cam	2	
Wire Feed Axis (kw)	2.7	
Diameter Axis (kw)	1	
Pitch Axis (kw)	0.4	
Upper Cutting Axis (kw)	1	
L (kw)	1	
Servo (kw)	6.1	
Dimensions	(mm)	1200
	(mm)	980
	(mm)	1600
Machine Weight (kg)	660	

SFI - 5 2 0

CNC Spring Making Machine





CNC Spring Making Machine

SFI -345 (JS-Z51K-4.5-3)

Model:SFI-345Type

Machine Features

This device features: suitable for wire diameter from small to large, and can ensure rapid processing for small diameter spring, designed: ① small diameter muffler torsion spring when the rapid production and low noise; ② three pairs of wire feed wheels to reduce feed wire clamping force, increase feeding traction, and achieve the desired feeding effect. Feeding rollers with small diameter, then the contact point is small, so that feeding small diameter wire is precise and stable. The main components crafted with highly durable materials. With advanced technology and high precision, it is the first choice to manufacture springs.

Specification

Model	SFI -345	
Wire Diameter(mm) (mm)	φ 0.8– φ 4.5	
Outside Diameter(mm) (mm)	Max φ 70	
Production Rate (pcs/min)	≤200	
Feeding Length(mm) (mm)	± 0.01– ± 9999.99	
Wire Feed Speed	0–127m/min	
Cam Setting Value	± 0.1° – ± 359.9°	
Wire Feed Servo (KW)	Motor	5.5
Cam Servo (KW)		5.5
Pitch Servo (KW)		1.5
Power AC	380V ± 10%.AC.50HZ	
Dimensions(LxWxH)(mm) (mm)	1800x1500x1850	
Machine Weight <small>Steel Plate Frame</small>	1600	

SFI - 345

CNC Spring Making Machine





CNC Spring Making Machine

SFI -335(JS-Z51K-3.5-3)

Model : SFI -335

Machine Features

This machine is made up of three servo motors, CNC control system, and etc. It is easy to operate, suitable for making various high precision springs. The main parts of the machine are carefully made of highly durable material. The machine features advanced technology and high precision, which is customer's favorite choice for making springs.

Model	SFI -335	SFI -325	SFI -316
Wire Diameter(mm) (mm)	φ 0.8– φ 3.5	φ 0.5– φ 2.5	φ 0.3– φ 1.6
Outside Diameter(mm) (mm)	Max φ 70	Max φ 42	Max φ 32
Production Rate (pcs/min)	≤200	≤250	≤300
Feeding Length(mm) (mm)	± 0.01– ± 9999.99	± 0.01– ± 9999.99	± 0.01– ± 9999.99
Wire Feed Speed	0–127m/min	0–135m/min	0–135m/min
Cam Setting Value	± 0.1° – ± 359.9°	± 0.1° – ± 359.9°	± 0.1° – ± 359.9°
Wire Feed Servo (KW)	Motor	4.4	1.5
Cam Servo(KW)		4.4	1.5
Pitch Servo(KW)		1.5	0.4
Power AC	Three phase380V.AC.50HZ	Three phase380V.AC.50HZ	Three phase380V.AC.50HZ
Dimensions(LxWxH)(mm) (mm)	1700x1500x1850	1280x900x1650	1050x880x1600
Machine Weight <small>Steel Plate Frame</small> (kg)	1350	750	550

SFI -335 SFI -325 SFI -316

CNC Spring Making Machine



SFI -335



SFI -316



CNC Spring Making Machine

SFI - 8 (JS-Z51K-0.8)

Model: SFI -Type

Machine Features

This equipment adopts CNC control system and two servo motors; the wire feeding shaft and camshaft can work independently or synchronously. Wire feed is unlimited. The machine is equipped with right and left cutter rests and wire torsioning device, which can make different compression springs, torsion springs, tension springs, etc.

Specification

Model		SFI -8
Wire Diameter(mm) (mm)		$\phi 0.15(0.1) - \phi 0.8$
Outside Diameter(mm) (mm)		Max $\phi 20$
Production Rate (pcs/min)		≤ 500
Feeding Length(mm) (mm)		$\pm 0.01 - \pm 9999.99$
Wire Feed Speed		0-150m/min
Cam Setting Value		$\pm 0.1^{\circ} - 359.9^{\circ}$
Wire Feed Servo (KW)	Motor	0.75
Cam Servo (KW)		0.75
Power AC		380V $\pm 10\%$ V 50HZ
Dimensions(LxWxH)(mm) (mm)		980x860x1600
Machine Weight (kg)		390

SFI - 8

CNC Spring Making Machine



Special Purpose machine

SFI-PR-8S



SFI-PR8RS



SFI-PR-8MU

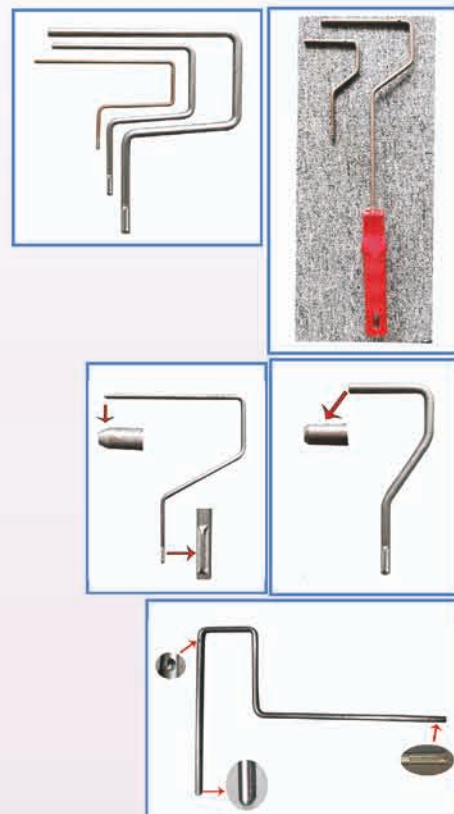


Paint roller handle making machine is to produce paint roller handle frame expertly. It can not only make lips stamping but also threading and end chamfering fully automatically. Plastic cover dressing device can be manual type or combined in line in automatic type for options and pin making machine is also available upon request. This is high-efficiency automatic machine which can save labor and electricity, and good output with high precision. Plastic gripper was optional upon request.

Technical Parameter

Model	SFI-PR8S	SFI-PR-8RS	SFI-PR-8MU
Function	chamfering	Chamfering+threading	overdue long type
Wire size	3.0-8.0mm	3.0-8.0mm	3.0-8.0mm
Feeding length	0-500mm	0-500mm	0-900mm
Production capacity	16pcs per minute	12pcs per minute	12-16pcs per minute
Speed up version	23pcs per minute	20pcs per minute	23pcs per minute
Motor power	5.5kw	5.5kw	5.5kw
Dimensions (LxWxH)	230 x130x192cm	230 x130x192cm	245x130x195cm
Weight	1300kg	1350kg	1400kg

Special Purpose machine



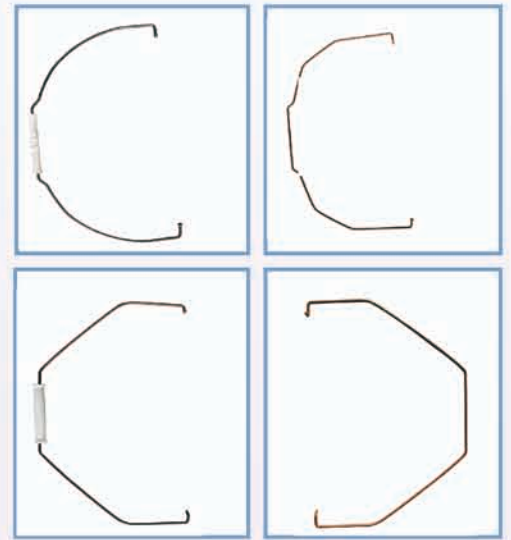
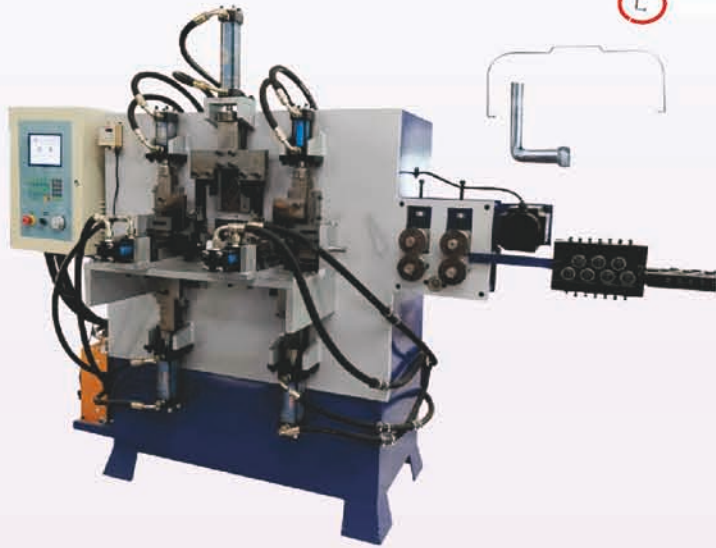
This newly designed machine is specially for requirements of many kinds of different roller handles. As this machine requires no mold, versatile compact design, it is possible to produce hundreds of different angle shapes of roller handles. Feeding length can be up to 650mm. Working principle: Shape was concrete through servo motor, no need mold, programmable, punching and ear stamping under control of hydraulic cylinders. Easy operation and fast shift time of changing molds which reduce the cost. especially meeting the demand of 90 degree roller handle with high precision.100-650MM

Technical Parameter

Model	SFI-XS 80BC	SFI- XS 80BC-S
Function	chamfering	Chamfering+threading
Program storage (plus)	3000	3000
Wire size	3.0-8.0mm	3.0-8.0mm
Feeding length	100-650mm	100-650mm
Production capacity	19pcs per minute	12pcs per minute
Servo motor	2.3kw*2	2.3kw*2
Motor power	7.5kw	7.5kw
Chamfering motor	0.75kw	0.75kw
Tooth rubbing motor	/	0.75kw
hydro-cylinder	Speed up integrated oil cylinder	Speed up integrated oil cylinder
Dimensions (LxWxH)	226 x120x168cm	226 x120x168cm
Weight	1500kg	1500kg

Special Purpose Machine

SFI- CN-5R



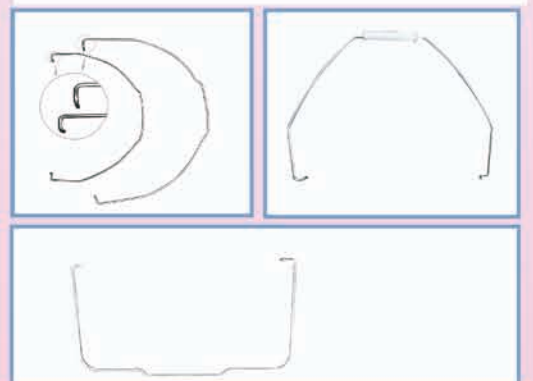
SFI- CN-5ER

SFI- CN-5R



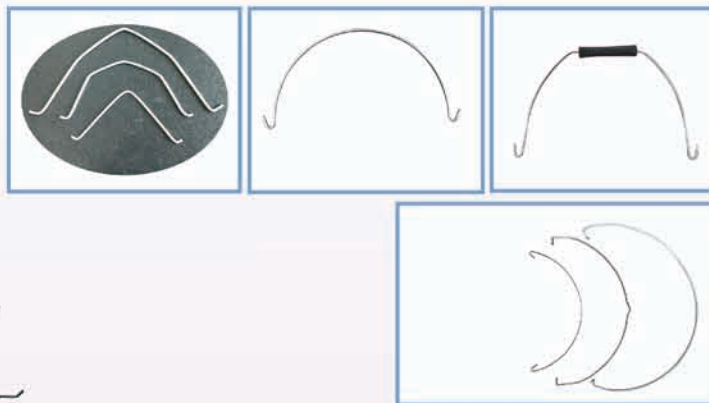
SFI- CN-5E

SFI- CN-5E



Special Purpose Machine

SFI- CN-PF5



SFI-CN-EP5



CNC industrial computer controlling system, stable and low failure, convenient maintenance, supporting USB storage and remote assistance. It is enjoyable of 3 years guarantee period for controlling system.

Function includes automatic feeding - straightening - cutting – (plastic gripper inserting)-bending – rivet punching - Finished product.

CNC

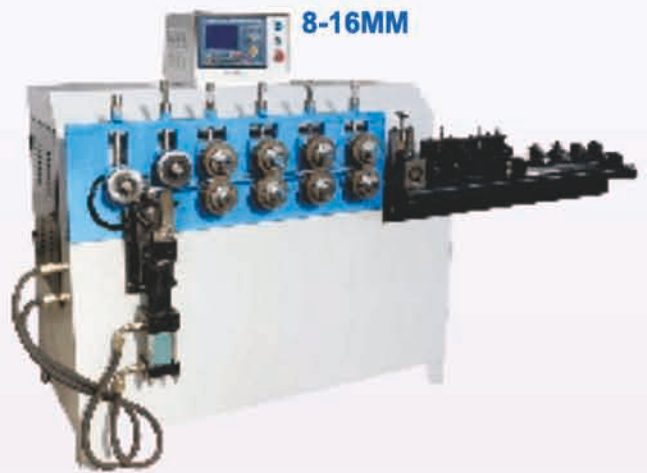
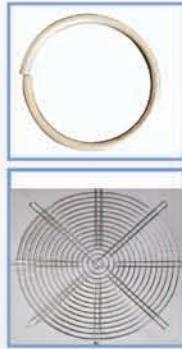
Technical Parameter

Model	SFI-CN-8R	SFI -CN-5R	SFI-CN-5ER	SFI-CN-5E	SFI-CN-PF5	SFI-CN-EP5
Function	Rivet end	Rivet end	Mixed end	East-west	Outward hook	Custom made
Wire size	3.0-6.0 mm	2.0-4.0 mm	2.0-4.0 mm	2.0-4.5 mm	2.0-4.5 mm	2.0-5.0mm
Feeding length	750mm 360mm	650mm 360mm	650mm 360mm	650mm 360mm	650mm 360mm	650mm 360mm
Production rate	12 pcs/minute	16 pcs/minute	12-14 pcs/minute	20 pcs/minute	25 pcs/minute	12 pcs/minute
power	7.5kw	7.5kw	5.5kw	5.5kw	5.5kw	5.5kw
Size(L*W*H) cm	230X165X205	210X127X205	210X150X205	210X120X190	210X120X190	230X165X205
Weight (KG)	1400.0KG	1300.0KG	1300.0KG	1200.0KG	1000.0KG	1350.0KG

Special Purpose Machine



2-10MM



8-16MM

SFI-RF30-B



Hydraulic circle making machine adopt PLC and 7 touch screen operation, ease the operation with just setting the parameter to get right circles. Feeding speed: 20-40 meters per minute, circle circumference error $\pm 0.50\text{MM}$, Machine works fully automatically from feeding, straighten, cutting to forming. PLC 7

20-40

0.50MM

Technical Parameter

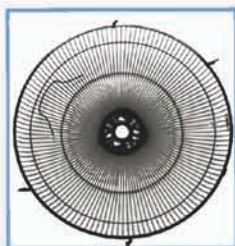
Model	Wire size	Motor power	Feed length (m/min)	Ring Inner Dia. (mm)	Weight (KG)	Size(L*W*H) (mm)
GT-RF6	2-6MM	1.5KW	35	50-850	800	1610*740*1460
GT-RF8	3-8mm	2.2KW	35	60-850	800	1810*940*1460
GT-RF10	4-10mm	4.0KW	35	70-850	850	1810*940*1460
GT-RF12	5-12mm	4.4KW	35	70-850	850	1810*940*1460
GT-RF14	6-14mm	5.5KW	30	100-900	950	1960*960*1460
GT-RF16	8-16mm	7.5KW	25	100-900	1100	2140*980*1510
GT-RF30-B	5*30	7.5+5.5	25	100-800	1500	2500*1100*1510
GT-RF35-B	6*35	7.5+5.5	25	100-800	1600	2600*1100*1510

Notice: apart from above ,we can tailor-made

Special Purpose Machine

SFI-XS-6W

SFI-XS-8W



2D Wire bending welding Line

2D



For other shapes apart from circle, like oval, square or diamonds shape requires welding , 2D bender with welding automatically will be a good option. Our standard welding machine is common resistance butt welding machine. In case of high quality demand and concrete welding point and small welding point, plasma welding should be considered , just a little high cost.

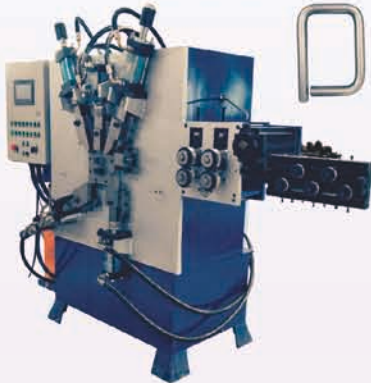
Technical Parameter

Model	SFIXS-6W	SFI-XS-8W	SFI-XS-10W	SFI- XS-2060	SFI- XS-2080
Wire size	2.0~6.0mm	3.0~8.0mm	4.0~10.0mm	2.0~6.0mm	3.0~8.0mm
Circle diameter	80-800mm	80-800mm	80~800mm	50~1000mm	50~1000mm
Welding power	40KVA	63KVA	80KVA	40KVA	63KVA
Production rate	25-40pcs/min	20-30pcs/min	15-25pcs/min	25-40pcs/min	20-30pcs/min
Servo motro	2.0kw	2.3kw	3.8kw	4.0kw	5.5kw
Motor power	2.2kw	2.2kw	4.0kw	2.2kw	2.2kw
Weight	200 kg	200 kg	200 kg	200 kg	200 kg
Weight	1000kg	1200kg	1400kg	1500kg	1600kg
Size(L*W*H)cm	210*150*165	210*150*165	220*160*165	280*160*168	280*160*168

Special purpose machine



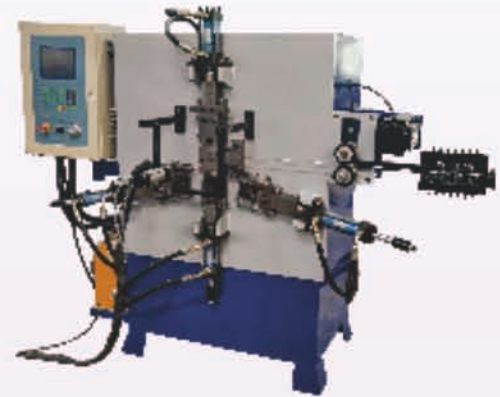
SFI -Rh12



SFI-JH12



SFI-DB-6W



SFI-JH10W



SFI-JH12W

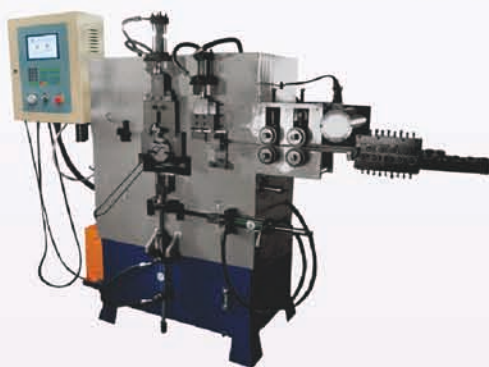


Hook making machine is hydraulic control , which can produce kinds of 2D and 3D shaped hook, J hook, hanging hook for supermarket., we can also tailor made any hooks according to customer's demand. It is to be specially designed for stainless steel buckle bending and welding automatically.

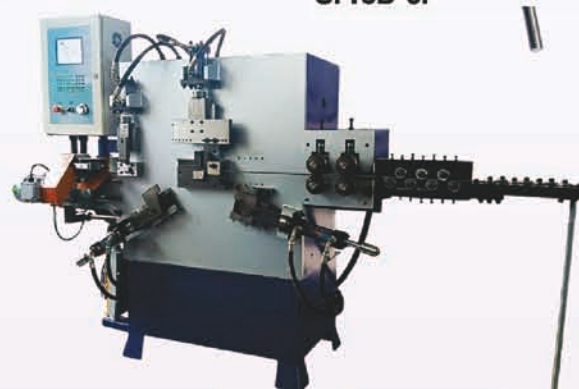
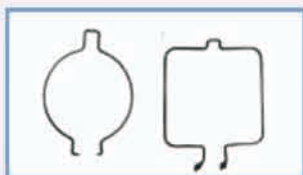
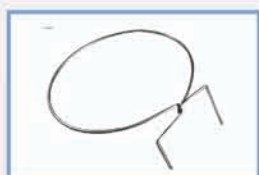
Technical parameter

Model	SFI-RH12	SFI-JH12	SFI-JH10W	SFI-JH12W	SFI-DB-6W
Wire size	6.0-12.0mm	5.0-12.0mm	5.0-10.0mm	6.0-12mm	2.0-6.0mm
Feeding length	0-300mm	0-300mm	0-300mm	0-300mm	0-300mm
Production capacity/minute	15-18pcs	12-15pcs	10-12pcs	8-10pcs	16pcs
Motor power	5.5kw	5.5kw	5.5kw	7.5kw	5.5kw
Welding	NO	NO	YES	YES	YES
Dimensions (LxWxH) CM)	195x125x186	195x135x186	195x130x186	195x130x186	195x130x186
Weight	1300kg	1200kg	1300kg	1400kg	1300kg

Special purpose machine



SFI3DR-50



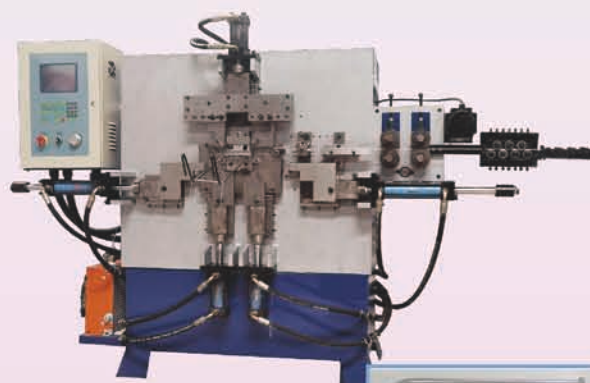
SFI3D-6F

This machine adopts hydraulic system, with CNC control and touch screen to finish all processes automatically : feeding, straighten , cutting ,twisting ring , ear punch and forming. Customers can customize different kinds of shaped rings. CNC 8

SFI4H6



SFI4H10



Technical parameter

Model	SFI3DR-50	SFI3DR-60	SFI3D-6F	SFI4H6	SFI4H8	SFI4H10
Function	9 action	11 action	6 cylinders	6 cylinders	8 cyliners	10cylinders
Wire size	2.0-5.0	3.0-6.0mm	2.0-6.0mm	2.0-4.0mm	2.0-4.0mm	2.0-4.0mm
Feeding length	900mm	700mm	600mm	0-600mm	0-600mm	0-650mm
Production rate	8~10pcs/min	8~10	30pcs	18-20pcs	18-20pcs	15-20pcs
Motor power	5.5kw	5.5kw	7.5kw	5.5kw	5.5kw	5.5kw
Size(L*W*H) cm	187X110X198	191X110X198	195x127x180	190x127x180	190x127x180	205x130x190
Weight KG)	1200.0KG	1300.0KG	1200kg	1100kg	1200kg	1400kg

Special Purpose Machine

SFI-SUS4

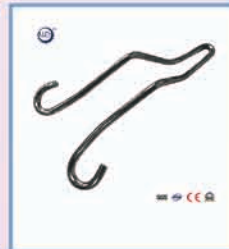


SFI-2D60



SFI-SUS6

SFI-3D80-10



Technical parameter

Model	SFI-SUS4 stainless steel)	SFI-SUS6 stainless steel)	SFI-2D60-6	SFI-3D80-8	SFI-3D80-10
Wire size	2.0-4.0mm	2.0-6.0mm	2.0-6.0mm	3.0-8.0mm	3.0-8.0mm
Feeding length	100-500mm	100-800mm	10-500mm	10-500mm	10-500mm
Production capacity/minute	15-18pcs	15-18pcs	30pcs	18-20pcs	18-20pcs
Motor power	5.5kw	5.5kw	7.5kw	5.5kw	5.5kw
Dimensions (LxWxH) (CM)	190x130x180	190x130x180	190x130x180	215x130x190	215x130x190
Weight	1300kg	1300kg	1300kg	1400kg	1500kg

Special Purpose Machine

SFI-SF-10T



SFI-SF-26T



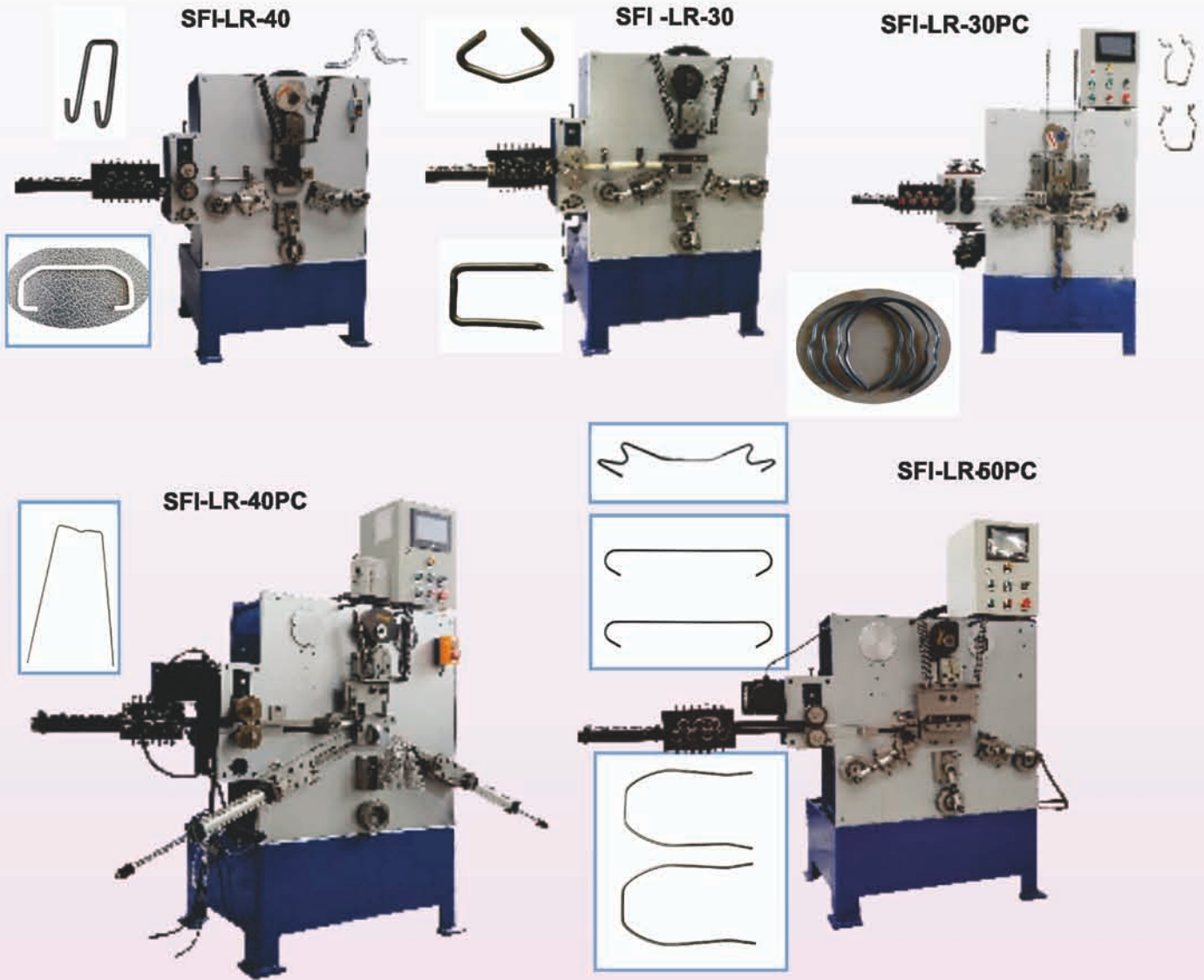
This flat wire bending machine is a professional molding machine developed for flat thin materials. The advantage is that the speed is very fast, and the stamping parts with relatively complicated structure can be completed at one time. Fully automatic: feeding-punching-cutting-folding Bend-finished products and other processes.

For the product industry with extremely high precision, such as the electronics industry, the lighting switch industry, the hardware clip and so on.

Technical parameter

Model	SFI-SF-10T	SFI-SF-26T	SFI-SF-38T
Length of Wire Feeding	150mm	200mm	320mm
Width of Strip Wire	10mm	30mm	50mm
Thickness of Strip Wire	0.1-0.5mm	0.3-1.2mm	0.8-2.0mm
Pressure	1500Kg	10000Kg	30000Kg
Speed	80-100pcs/minute	60-80pcs/minute	40-60pcs/minute
Power	2.2kw	3.7kw	7.7kw
L*W*H (MM)	1200*800*1600	1600*800*1600	1700*900*1800
Weight	850Kg	1200Kg	1400Kg

Special Purpose Machine



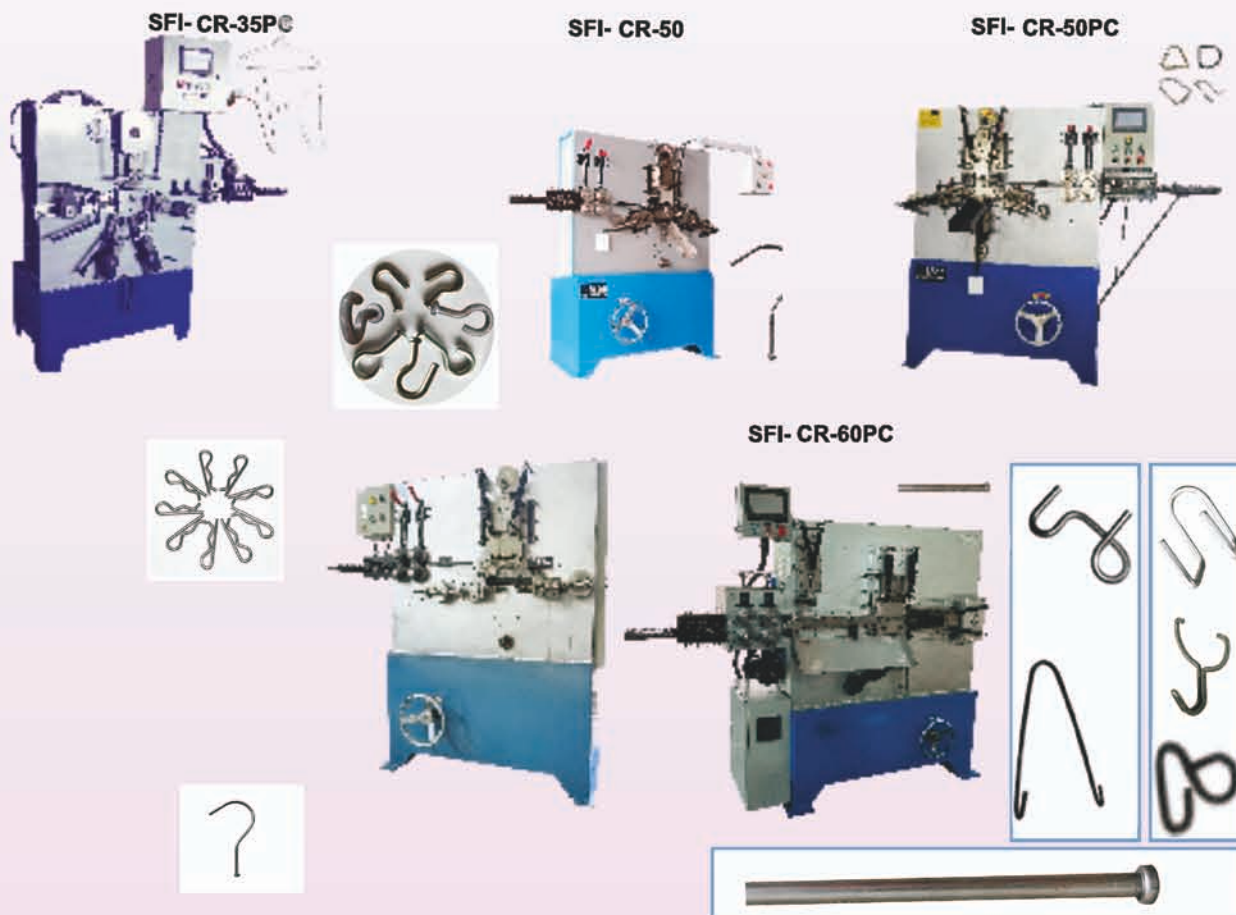
Mechanical wire bending machine can be divided into 2 category, gear wheel transport and chain wheel transport. This one is chain wheel transport machine, PLC and touch screen can be added upon request. Easy operation and fast speed. can reach precision of $\pm 0.3-0.5\text{MM}$ with stepper motor.

2 PLC 0.3-0.5MM

Technical Parameter

Model	SFI-LR-30	SFI-LR-40	SFI-LR-30PC	SFI-LR-40PC	SFI-LR-50PC
Wire size	1.5-3.0mm	2.0-4.0mm	1.5-3.0mm	2.0-4.0mm	2.0-4.5mm
Feeding length	200mm	300mm	200mm	300mm	500mm
Production capacity/minut	60pcs	60pcs	60pcs	60pcs	50pcs
Motor power	1.5kw	2.2kw	1.5kw	2.2kw	2.2kw
Dimensions (LxWxH)mm cm	125x86x150	135x86x150	125x86x170	135x86x170	145x90x170
Dimensions (LxWxH)mm cm	125x86x150	135x86x150	125x86x170	135x86x170	145x90x170
Weight	600kg	600kg	650kg	650kg	800kg

Special Purpose Machine



Mechanical wire bending machine is specially designed to produce kinds of wire forms, in 2D or 3D...with iron wire, steel wire, aluminum wire, copper and stainless wire in round or flat.

This is gear wheel transport machine, with PLC AND Stepper motor, precision can reach $\pm 0.3\text{mm}$.

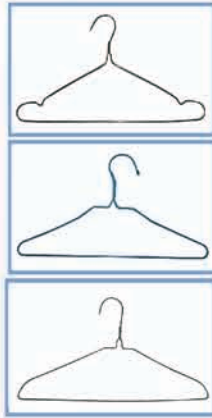
“GT-CR-45NC $\pm 0.1\text{mm}$ ”

Technical Parameter

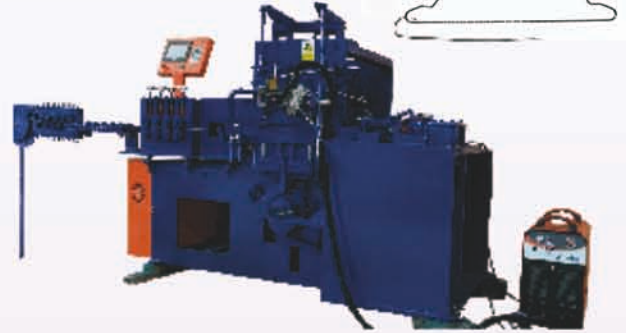
Model	SFI-CR-35PC	SFI-CR-45PC	SFI-CR-60PC	SFI-CR-50
Wire size	1.5-3.5mm	2.0-4.5mm	2.0-6.0mm	2.0-5.0mm
Feeding length	200mm	300mm	600mm	300mm
Production capacity/minute	60pcs	50-60pcs	30-40pcs	60pcs
Motor power	1.5kw	2.2kw	5.5kw	2.2kw
Dimensions (LxWxH)mm	1630x650x1850	1630x650x1850	1830x650x1850	1630x650x1850
Weight	800kg	800kg	900kg	800kg

Special Purpose Machine

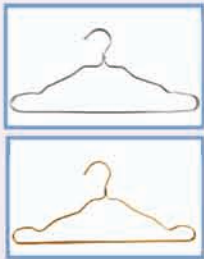
SFI-CH5
SFI-CH5P



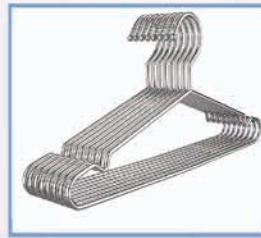
SFI-CH-5HW



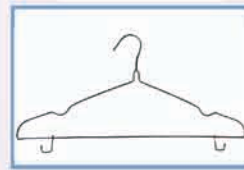
SFI-AL



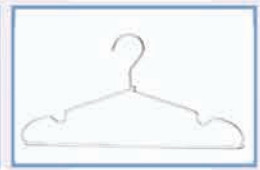
SFI-CH-5HW



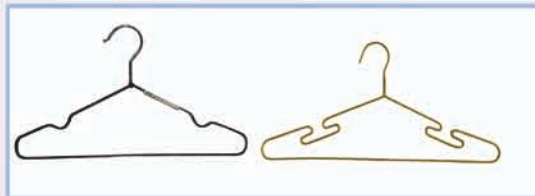
SFI-CH-5WS



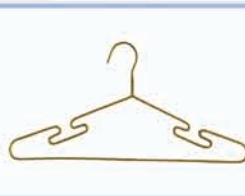
SFI-CH3



SFI-CH-5W



SFI-CH-5B



SFI-CH3



Product description : Fully automatic hanger making machine has a fast production capacity, can reach 30-60 pieces per minute. Smooth operation, high yield, less defective. Controlled by frequency converter, easy to adjust and form hanger. It's feeding adopted in servo motor control, which is characterized by feeding at high precision. At the meantime, it can produce butterfly hanger with welding function all in line.

We have several model for options, common hanger, butter-fly hanger, PVC coated hanger.

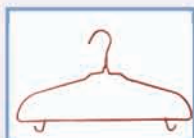
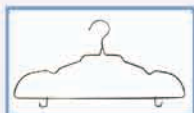
We can make machine according to customer's special requirement

Technical Parameter

Model	SFI-CH5	SFI-CH5P	SFI-CH-5W	SFI-CH-5HW	SFI-CH-5B	SFI-AL
Wire size mm	1.5-3.0mm	1.5-4.0mm	1.5-4.0mm	1.5-4.0mm	1.5-3.5mm	flat 12 mm
Function	Common	PVC coating	+ welding	welding and rivet end		
Feeding length	200-700mm (6-21inch)	200-700mm (6-21inch)	200-500mm (6-19inch)	200-500mm (6-19inch)	200-500mm (6-19inch)	8-21inch
Production rate	40pcs per minute	30pcs per minute	25pcs per minute	20pcs per minute	25pcs per minute	25pcs per minute
Motor power	1.5kw	1.5kw	1.5kw	3.7kw	1.5kw	2.2kw
Servo motors	2.0kw	2.0kw	2.0kw	2.0kw	2.0kw	/
Welding machine	No	No	Yes	Yes	No	No
Machine size cm	170*133*179 cm	170*133*179 cm	170*160*179cm	210*165*179cm	135*150*170 cm	211*116*17 6

Special Purpose Machine

SFI-CH-5WS



SFI-CH-5B



SFI-CH-5BW



SFI-CH-5B



SFI-CH-5



SFI-CH-5W



SFI-CH-5W



SFI-CH5P



SFI-CH5W



SFI-CH5W



SFI-CH-5W



Special Purpose Machine

SFI-CM5



SFI-DCM2.5



SFI-CIR-4



SFI-BZ4



Chain making machine is to produce kinds of chains , ring chain, and double hook chain. 1) The left picture shows the chain machine, which can produce various circular chains, elliptical chains, and chain links. 2) The double hook chain machine on the right can produce all kinds of double-hook chains with or without rubberized galvanized wire. It is mechanical designed, simple, convenient and efficient. Economical and practical.

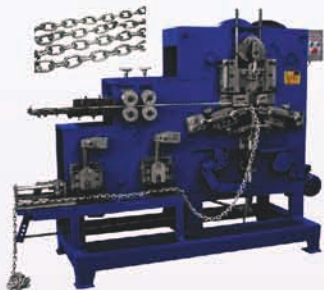
Technical Parameter

Name	Ring Chain Machine	Ring Chain Machine	Ring Chain Machine	Ring Chain Machine	Double hook chain	8 chain
Model	SFI-CM 5	SFI-CIR-2.5	SFI-CIR-4	SFI-CIR6	SFI-DCM2.5	SFI-BZ4
Wire size	1.5-5.0mm	1.0-2.5mm	1.5-4.0mm	2-6.0mm	1.0-2.5mm	1.5-4.0mm
Production capacity/min	40~50pcs	40~50pcs	40~50pcs	40~50pcs	80pcs	60pcs
Motor power	1.5kw	1.1kw	1.5kw	2.2kw	1.1kw	1.5kw
Dimensions (LxWxH) cm	125*115*161	125*100*161	135*100*161	145*110*161	123*113*147	130*115*161
Weight	600kg	550kg	600kg	650kg	600kg	600kg

Special Purpose Machine

Welding Volume

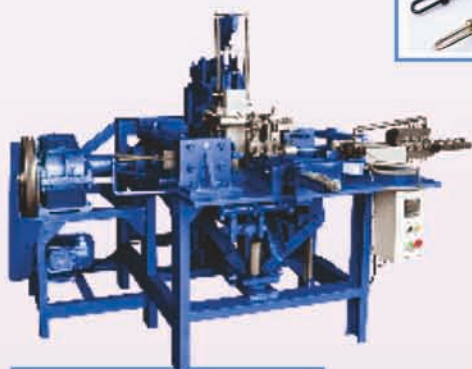
SFI-CM 12(W)



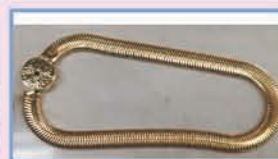
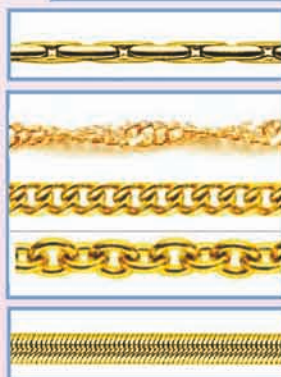
SFI-CM 8(W)



SFI-TCM38



SFI-GOLD 2-W

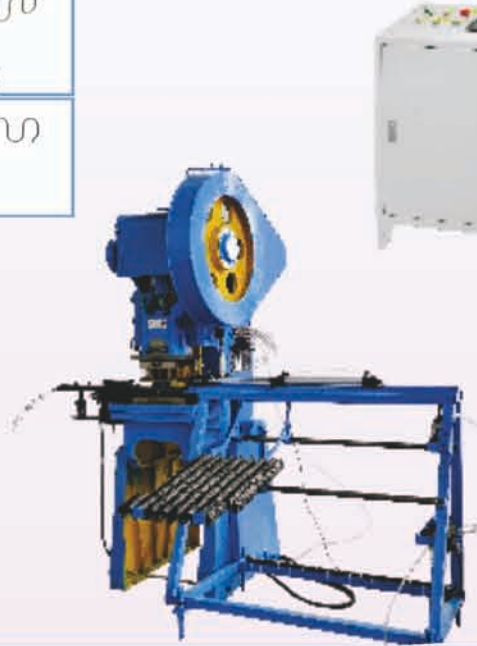
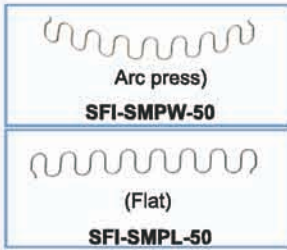


Technical Parameter

Model	SFI-CM 4(W)	SFI-CMB6(W)	SFI-CMB8(W)	SFI-CMB9(W)	SFI-CMB10(W)	SFI-TCM38	SFI-GOLD 2-W
Wire size	1.5-0-4.0mm	2.0-6.0mm	3.0-8.0mm	5.0-9.0mm	6.0-10.0mm	1.0-3.8mm	0.5-2.0
Production capacity/minute	40~50pcs	35~40pcs	25~30pcs	20~30pcs	15-25pcs	30pcs	100pcs
Motor power	0.75+1.5kw	1.5+1.5kw	2.2+1.5kw	3.0+3.0kw	3.0+3.0kw	1.5kw	300W-220V
Dimensions (LxWxH)mm cm	95x110x150 130*100*186	153x122x156 140*115*196	210*125*196 140*115*196	163x150x170 140*115*196	163x150x170 140*115*196	165x150x160	65 x65 x162
Weight	538kg+876kg	600 kg +950kg	600+1000kg	650+1050kg	700+1100kg	700kg	180KG
Welding Volume	25KVA	50KVA	75KVA	100KVA	125KVA	/	/

Special Purpose Machine

SFI-SMPL-50
Flat snake spring line



SFI-ZM50



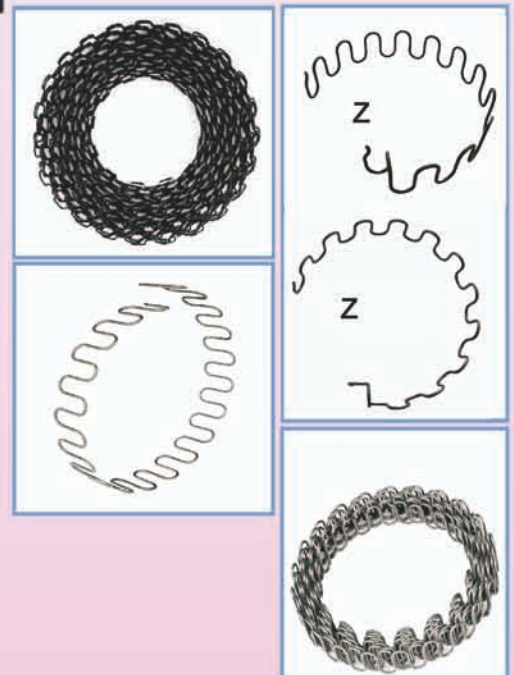
Spring winder



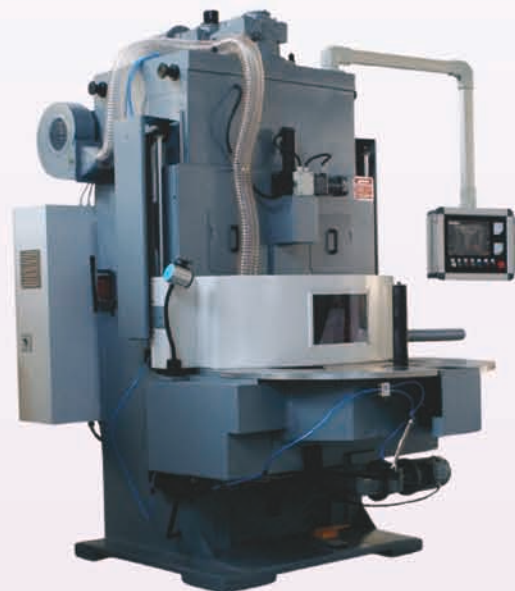
Arc press



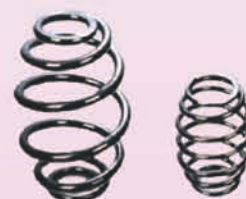
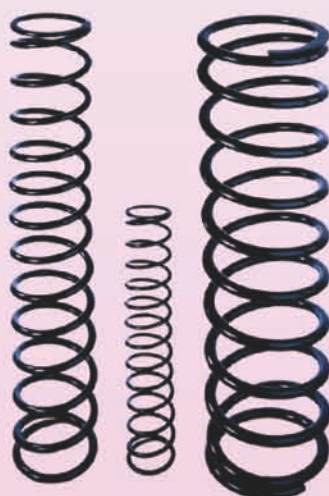
SFI-ZMPL-50



GRINDING MACHINE / WHEELS



SLM series CNC spring end grinding machine with double plates is designed on the basis of single plate machine by adding another plate. It uses the air cylinder to realize the cyclic conversion and positioning of the 2 plates. There are 2 options: manual plate changing and automatic plate changing.



GRINDING MACHINE / WHEELS



Parameter	Models	SWM 500	SWM 750	SWM 900
Outside Dimension (mm)		2800×1900×1600	2950×2300×2000	3300×1900×2000
Rotating Speed of Principal Spindle (r/min)		1500	1000	900
Main Motor Power (kw)		11	22	30
Grinding Method		Water Grinding	Water Grinding	Water Grinding
Installation Method of Grinding Wheel		Cutting sleeve	Cutting sleeve	Cutting sleeve
Maxi Stroke (mm)		350	600	700
Maxi Feeding Stroke (mm)		100	100	100
Feeding Method		servo	servo	servo
Outside Spring Diameter (mm)		70-200	200-450	200-450
Spring Length (mm)		130-700	250-1100	250-1200
Spring Diameter (mm)		16-40	35-100	45-90
Spring Holding Method		hydraulic	hydraulic	hydraulic
Product Precision		Verticality-1% Flatness: ≤1mm	Verticality-1% Flatness: ≤1mm	Verticality-1% Flatness: ≤1mm

Horizontal Spring Grinding Machine



Parameter	Models	ZH-K2	H60-A	H60-B	H75
Configuration		Double Operation Posiong		Single Operation Posiong	
Power (kw)		37	22	15	22
Wire Diameter (mm)		20-60	15-40	25-50	25-60
Max.Spring Diameter (mm)		400	260	300	500
Max.Spring Length (mm)		950	600	600	950
Grinding Stone Size (mm)		900	500	500	750

Pendulum Spring Grinding Machine

GRINDING MACHINE / WHEELS

Parameter	Model	JN-160
Chamfering Scope (mm)		Outer Diameter 15-45 Height 18-65
Specifications of the Grinding Wheel (mm)		Φ 160 × 200 × Φ 32
Rotation Rate of the Main Axle (r/min)		2500
Rotation Rate of the Conveyor Belt (r/min)		3.2
Total Power (kw)		3
External Dimension (mm)		1300 × 1600 × 900



OD Spring Chamfering Machine

Parameter	Models	SLP 60	SLP 130	SLP 300
Power (kw)		6.2	10.85	19.8
Rotation Speed (r/min)		3160	3160	2930
Metallic Balls Peening Capacity (kg/h)		60	100	200
Max. Workpiece Weight (kg)		5	8	15
Max. Load Capacity (kg)		180	300	600
Chamber Volume (L)		60	110	300
Chamber Length (mm)		730	900	1200
Lift Capacity (tons/h)		4	6	12
Dust Exhausting Volume (m ³ /h)		2000	2000	5000



Shot Peening Machine

GRINDING MACHINE / WHEELS



Parameter \ Models	JNX-4.0	JNX-7.5	JNX-11
Power (kw)	4.0	7.5	11
Qty of Filter Cartridge	4	8	12
Blowing Volume (m ³ /h)	3000	6000-8000	10000-12000
Dimension (mm)	1400×1500×2800	1700×1900×3200	2000×2400×3400
Air Outlet Size (mm)	Φ200	Φ200	Φ300
Weight (kg)	700	1100	1300

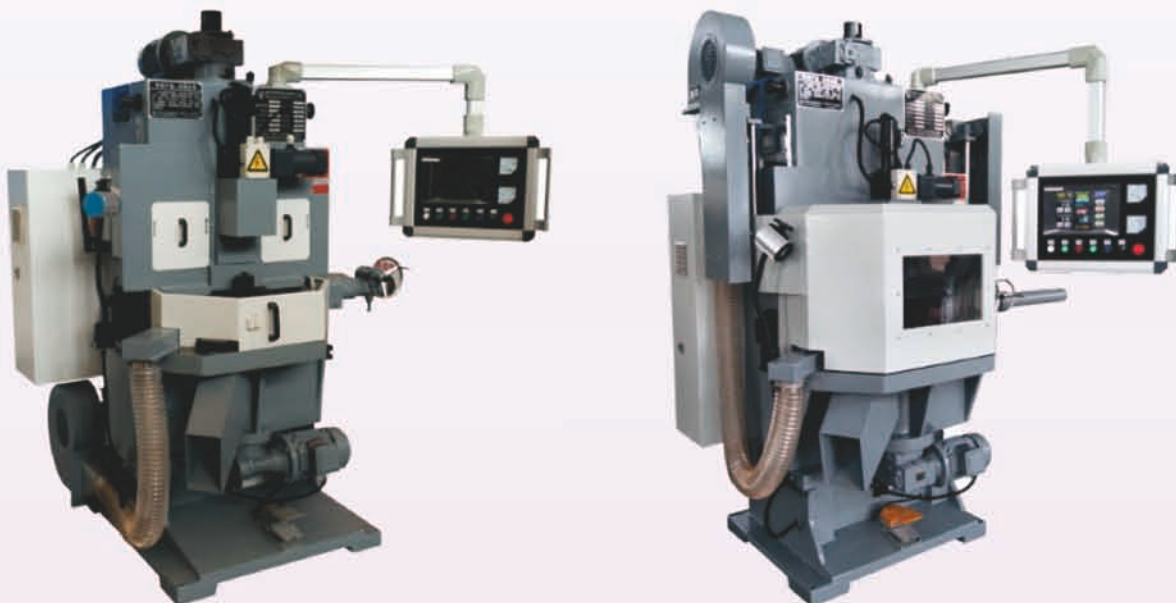
Dust Precipitator



Grinding Machine Models	Grinding Wheel Specification
	Outer Diameter × Thickness × Inner diameter (mm)
SLM180-6B	Φ400 × 55
SLM180-6B-S	Φ400 × 55 × Φ203
SLM250-9B	Φ450 × 55
SLM250-9B-S	Φ450 × 65 × Φ50
SLM600-9B	Φ450 × 55
SLM250-12B	Φ650 × 100 × Φ170
SLM250-12B-S	Φ650 × 100 × Φ170
SLM300-12B	Φ650 × 100 × Φ170
SLM400-12B	Φ650 × 100 × Φ170
SLM400-12B-S	Φ650 × 100 × Φ170

Grinding Stone

GRINDING MACHINE / WHEELS



SLM series CNC spring end grinding machine is mainly used for grinding the double sides of the compression springs (including cylindrical springs, conical springs and double conical springs). The grinding machine uses 2 upright grinding wheels, the springs are set on the feeding plate. Feeding speed of the upper grinding wheel is adjustable, in continuous and stepping feeding, allowing the spring to reach a preset height, obtain a maximum grinding capacity according to the pressure used. This machine has the function of self-compensation, self-reset, alarm. Using man-machine interaction, we can make programming via the screen which makes it easy to use and increases the productivity.



Parameter	Models	SLM180-6B	SLM180-6B-S	SLM250-9B	SLM250-9B-S	SLM600-9B	SLM250-12B	SLM400-12B
Specification of Grinding Wheel		Φ400×55	Φ400×55×Φ203	Φ450×65	Φ450×65×Φ50	Φ450×65	Φ660×100×Φ170	Φ660×100×Φ170
Diameter of Feeding Plate (mm)		Φ580	Φ420	Φ740	Φ580	Φ740	Φ740	Φ740
Wire Diameter (mm)		Φ0.8-Φ6	Φ0.8-Φ6	Φ1-Φ9	Φ1-Φ9	Φ1-Φ9	Φ3-Φ12	Φ3-Φ12
Spring Outside Diameter (mm)		Φ8-Φ80	Φ8-Φ80	Φ10-Φ100	Φ10-Φ100	Φ10-Φ100	Φ20-Φ130	Φ20-Φ130
Spring Height (mm)		10-180	10-180	20-250	20-250	300-600	20-250	150-400
Machine Dimension (mm)		2050×1660×2120	2050×2060×2120	2215×1900×2400	2215×2265×2400	2215×2000×2850	2600×2100×2800	2600×2100×3060
Upper Grinding Wheel Motor (kw)		4	4	5.5	5.5	7.5	12.5	12.5
Lower Grinding Wheel Motor (kw)		4	4	5.5	5.5	7.5	12.5	12.5
Feeding Plate Motor (kw)		1.5	1.5	1.5	1.5	1.5	3	3
Switch Feeding Plate Motor (kw)		/	1.5	/	1.5	/	/	/
Elevating Motor of Upper Grinding Wheel (kw)		1.5	1.5	1.5	1.5	1.5	2.2	2.2
Elevating Motor of Lower Grinding Wheel (kw)		0.18	0.18	0.18	0.18	0.18	0.37	0.37
Air Blower (kw)		1.5	1.5	1.5	1.5	1.5×2	1.5×2	1.5×2
Compensated Motor of Upper Grinding Wheel (kw)		0.14	0.14	0.14	0.14	0.14	0.14	0.14
Total Power (kw)		12.82	14.32	15.82	17.32	21.32	33.71	33.71
Rotation Rate of the Feeding Plate (r/min)		Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable
Rotation Rate of the Grinding Head (r/min)		1450	1450	1450	1450	1450	965	965
Upper Grinding Head Displacement Distance (mm)		180	180	250	250	250	250	400
Lower Grinding Head Displacement Distance (mm)		40	40	50	50	50	70	70
Verticality (H ₀)		≤0.025	≤0.025	≤0.025	≤0.025	≤0.025	≤0.025	≤0.025
Roughness (Ra)		≤12.5	≤12.5	≤12.5	≤12.5	≤12.5	≤12.5	≤12.5
Power Source		3-phase 380V AC 50HZ	3-phase 380V AC 50HZ	3-phase 380V AC 50HZ	3-phase 380V AC 50HZ	3-phase 380V AC 50HZ	3-phase 380V AC 50HZ	3-phase 380V AC 50HZ
Net Weight of the Machine (kg)		2200	2500	2800	3500	4500	5500	6000

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Rotary Retort Type Furnace



Pit-type Furnace



Car-bottom Furnace

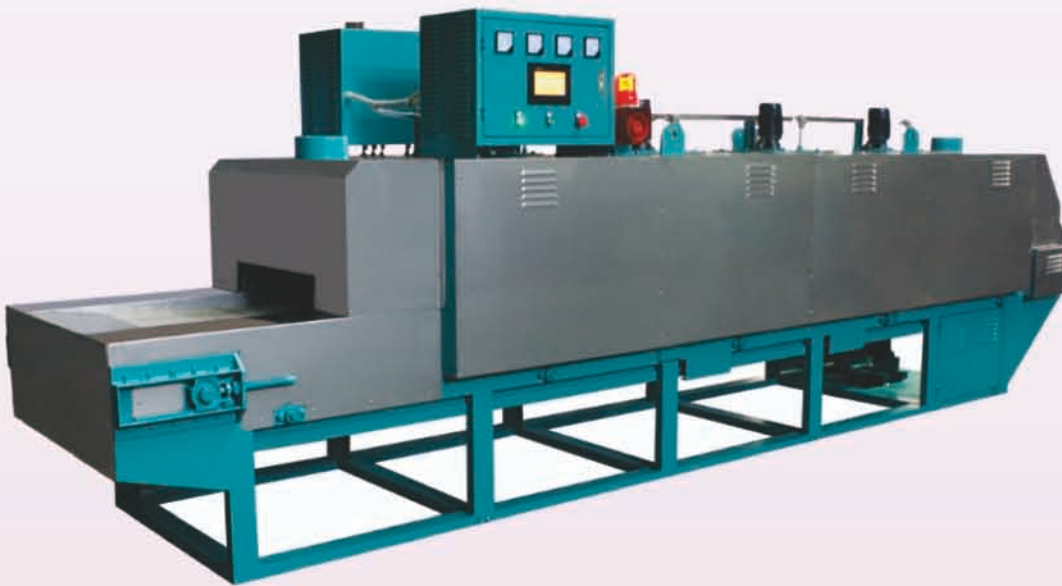


Box-type Furnace



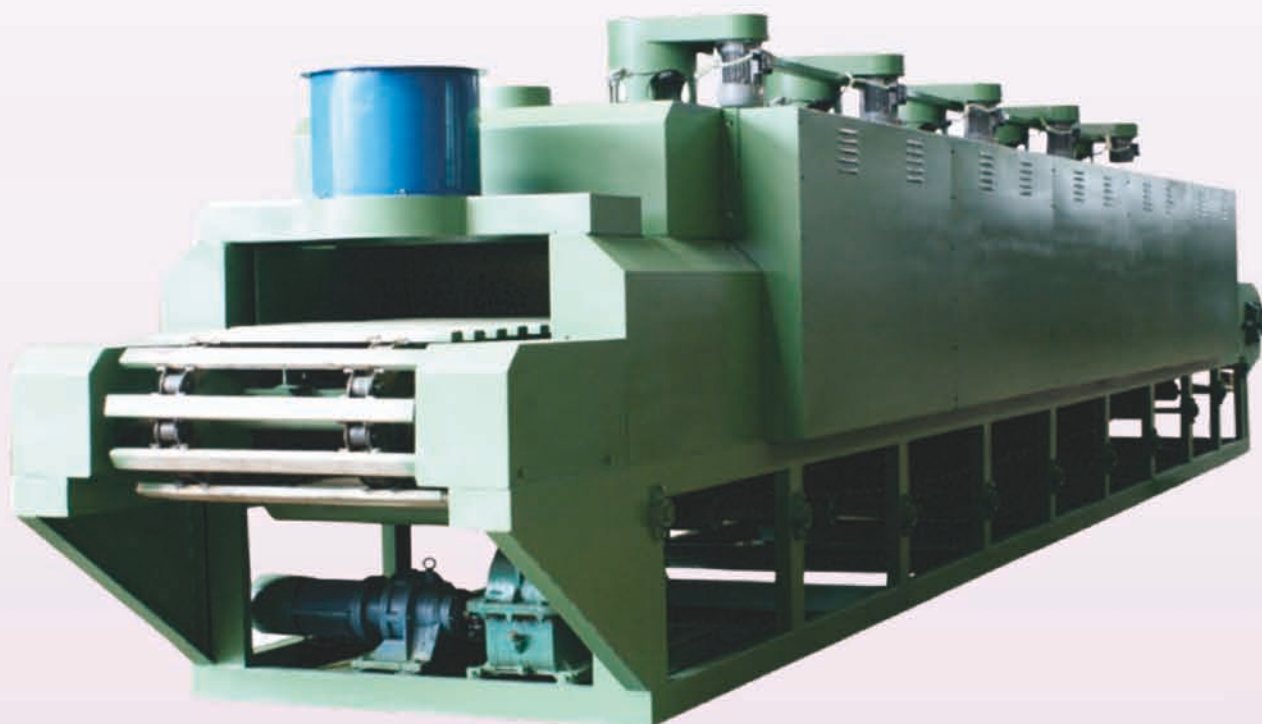
Models	Outside Dimensions (mm)			Hearth Dimensions (mm)			Power (kw)	Max. Temperature (°C)	Tempering Time (min)	Diameter of Tempered Pieces (mm)	Output of Tempered Pieces (kg/h)	Weight (kg)
	L	W	H	L	W	H						
RJC206	1600	750	1300	600	200	60	6	500	1.5-20	0.1-3	10-20	200
RJC210	2000	750	1300	1000	200	90	8	500	2.5-40	0.1-6	18-25	250
RJC215	2600	750	1300	1500	200	90	12	500	4-50	0.1-6	25-35	350
RJC315	2600	850	1320	1500	300	90	16	500	4-50	0.1-6	35-50	750
RJC320	3300	850	1400	2000	300	90	20	500	6-60	0.1-6	50-70	950
RJC420	3300	950	1400	2000	400	90	26	500	6-60	0.5-6	60-80	1000
RJC425	3900	950	1400	2500	400	100	30	500	6-60	0.5-6	70-90	1200
RJC430	4400	950	1500	3000	400	100	35	500	8-60	0.5-6	80-120	1300
RJC440	6100	1050	1600	4000	400	120	52	500	12-60	1-12	130-180	2200
RJC520	4100	1100	1800	2000	500	100	35	500	8-50	0.5-10	80-100	1400
RJC530	5100	1100	1950	3000	500	120	45	500	10-60	0.5-10	150-180	1800
RJC540	6100	1100	1950	4000	500	130	60	500	12-60	1-14	200-250	2400
RJC550	7100	1100	1950	5000	500	130	75	500	14-90	1-16	250-300	2800
RJC560	8100	1100	1950	6000	500	150	90	500	14-90	1-16	300-500	3600

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Models	Outside Dimensions (mm)			Hearth Dimensions (mm)			Power (kw)	Max. Temperature (°C)	Tempering Time (min)	Diameter of Tempered Pieces (mm)	Output of Tempered Pieces (kg/h)	Weight (kg)
	L	W	H	L	W	H						
RJC590	11200	1100	1950	9000	500	200	135	500	30-180	1-18	800-1000	5000
RJC630	5100	1200	1950	3000	600	120	57	500	10-60	1-12	160-200	2200
RJC640	6100	1200	1950	4000	600	130	75	500	12-60	1-14	200-300	2600
RJC650	7100	1200	1950	5000	600	130	90	500	14-90	1-16	300-400	3200
RJC660	8100	1200	1950	6000	600	150	110	500	14-90	1-16	360-500	3800
RJC680	10100	1200	2000	8000	600	200	135	500	25-150	1-20	700-1100	5000
RJC690	11200	1200	2000	9000	600	220	150	500	30-180	1-20	800-1200	5500
RJC730	5100	1300	2000	3000	700	120	65	500	10-60	1-14	180-220	2500
RJC740	6100	1300	2000	4000	700	180	85	500	12-60	1-16	250-350	3200
RJC750	7100	1300	2000	5000	700	200	105	500	14-90	1-16	320-450	3500
RJC760	8100	1300	2000	6000	700	220	120	500	14-90	1-20	400-600	4300
RJC840	6100	1400	2000	4000	800	180	90	500	12-60	8-50	280-400	4000
RJC850	7100	1400	2000	5000	800	220	106	500	14-90	8-50	400-600	4600
RJC860	8100	1400	2000	6000	800	260	130	500	14-90	8-50	550-800	5200

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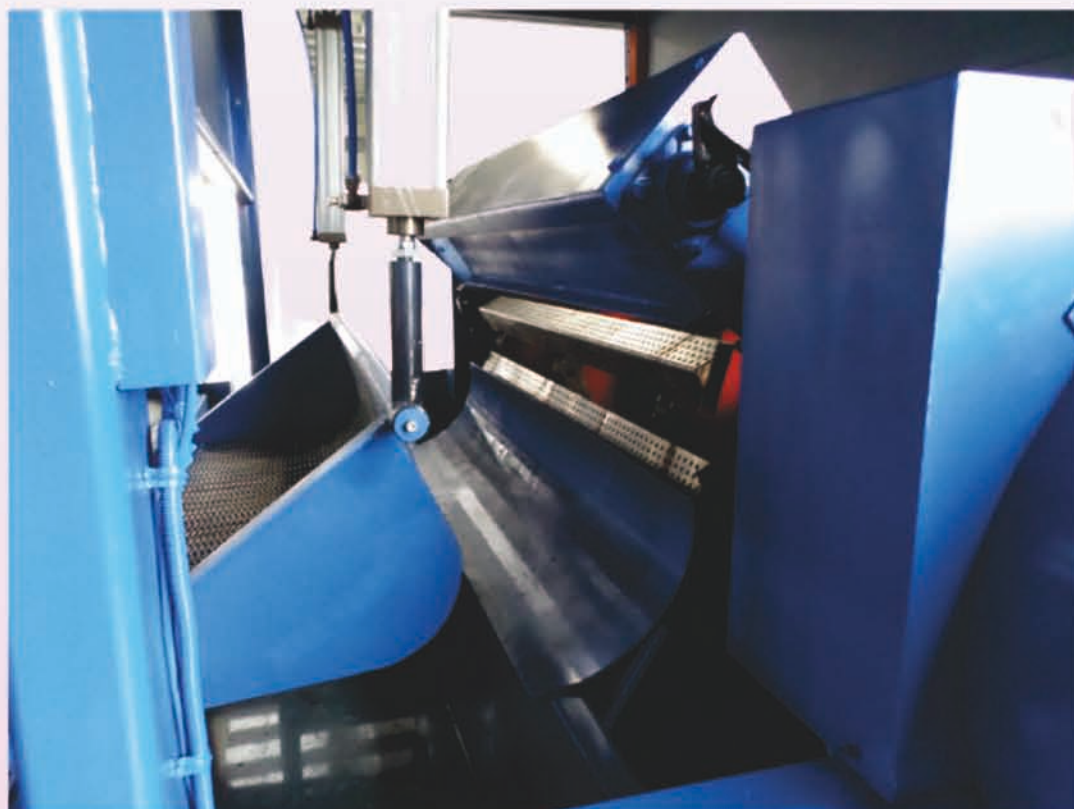


Models	Hearth Dimensions (mm)			Outside Dimensions (mm)			Power (kw)	Max. Temperature (°C)	Conveyor Chain Speed Range (min)	Heating Zones
	L	W	H	L	W	H				
TSL880	8000	800	300	11000	1900	2200	165	600	20-120	5
TSL890	9000	800	300	12000	1900	2200	180	600	30-180	6
TSL980	8000	900	300	11000	2000	2200	180	600	20-120	5
TSL990	9000	900	300	12000	2000	2200	220	600	30-180	6
TSL1080	8000	1000	300	11000	2100	2200	220	600	20-120	5
TSL1090	9000	1000	300	12000	2100	2200	240	600	30-180	6
TSL1180	8000	1100	300	11000	2200	2200	240	600	20-120	5
TSL1190	9000	1100	300	12000	2200	2200	270	600	30-180	6
TSL1280	8000	1200	350	11000	2300	2200	270	600	20-120	5
TSL1290	9000	1200	350	12000	2300	2200	300	600	30-180	6

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CONTROLLERS

Control Systems You Can Trust.



NO.	NAME	STATUS	DATE	TIME	LOCATION	REMARKS
001	JOHN	OK	2023	10:00	ROOM 101	START WORK
002	JANE	OK	2023	10:05	ROOM 102	START WORK
003	BOB	OK	2023	10:10	ROOM 103	START WORK
004	ALICE	OK	2023	10:15	ROOM 104	START WORK
005	CHARLIE	OK	2023	10:20	ROOM 105	START WORK
006	DAVID	OK	2023	10:25	ROOM 106	START WORK
007	EVE	OK	2023	10:30	ROOM 107	START WORK
008	FRANK	OK	2023	10:35	ROOM 108	START WORK
009	GRACE	OK	2023	10:40	ROOM 109	START WORK
010	HELEN	OK	2023	10:45	ROOM 110	START WORK

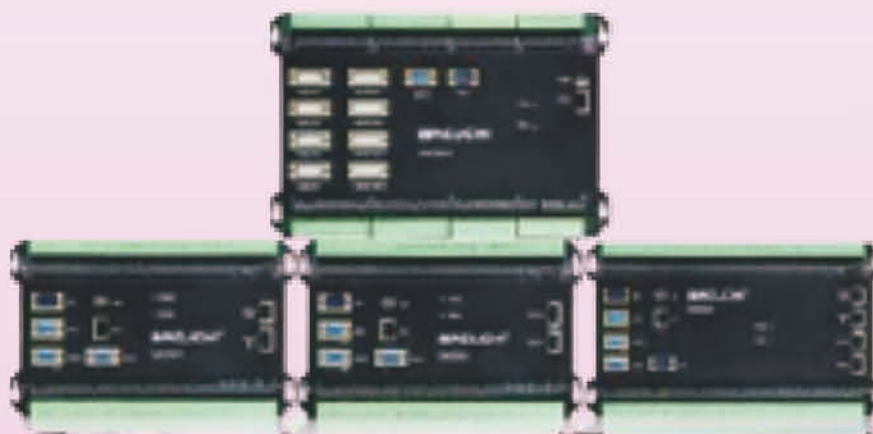
Cameless wire Forming Machine



Wir HMI-0170-30

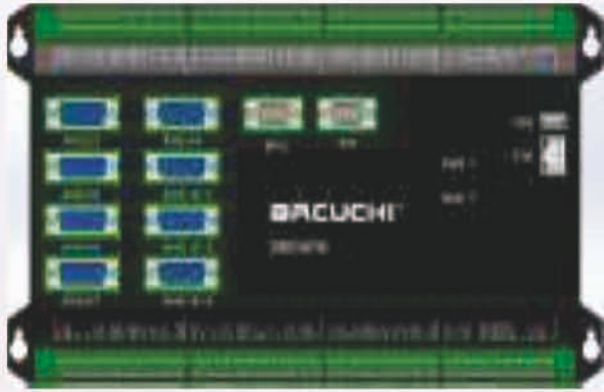


ArHMI-0170-H1



SMC5000

Product Performance Introduction



- Independent, low-power, high-performance CPU: ARM + FPGA dual-core processor, 400 μ S cycle time, <15W total power consumption, no cooling fan required, and adaptable to high-temperature, high-dust environments.
- High-sensitivity probe input: High sensitivity, compatible with low-conductivity materials; 0.05 μ S response time; independent probe control module supports adjustable probe sensitivity.



- The all-aluminum housing is lightweight and durable. The anti-drop handle and back-mounted strong magnet provide enhanced ease of use.
- Customized function keys facilitate axis selection, override, and teaching. An integrated emergency stop button ensures safe operation.
- Customized direction keys move the programming table cursor and, combined with teaching, enable handwheel programming.
- Customized handwheel provides clear feedback and more precise debugging.



- Comprehensive communication interfaces: 16 servo axes or up to 8 encoders, 1 RS485, 1 Ethernet, 1 USB, 1 external handwheel interface, 1 expansion I/O interface, 48 inputs, 39 outputs, 2 analog inputs, 2 analog outputs.
- Powerful hardware and software features: Adaptive multi-axis synchronization algorithm with synchronization and speed priority; integrated capacitance length gauge and feedback correction algorithm; graphical compression spring programming, on-site I/O programming, and 3D wire simulation.
- Independent, low-power, high-performance CPU: 1GHz ARM, 512MB RAM; 12MB FLASH, 64GB SD expansion; <20W total power consumption, no cooling fan required; adaptable to harsh environments with high temperatures and dust.
High-brightness touchscreen: 17" (1280x1024) LCD; long-life LED backlight; 2mm high-hardness reinforced touchscreen; >30m Ethernet cable to host.
- Integrated networking (optional): supports data reading and writing from third-party platforms; supports remote desktop functionality for remote device control.
- Integrated device remote management (optional): integrated 2G/4G global communication module; device location and status; alarm and modification logs; technical support; remote desktop assistance.






Controller specifications

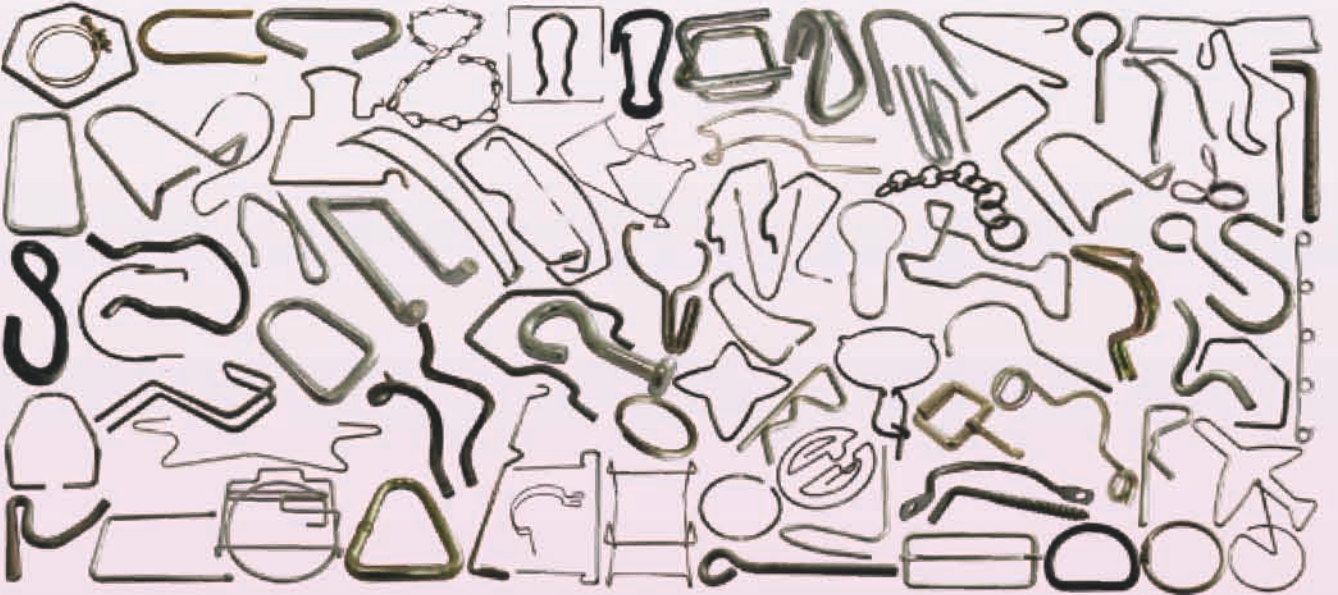
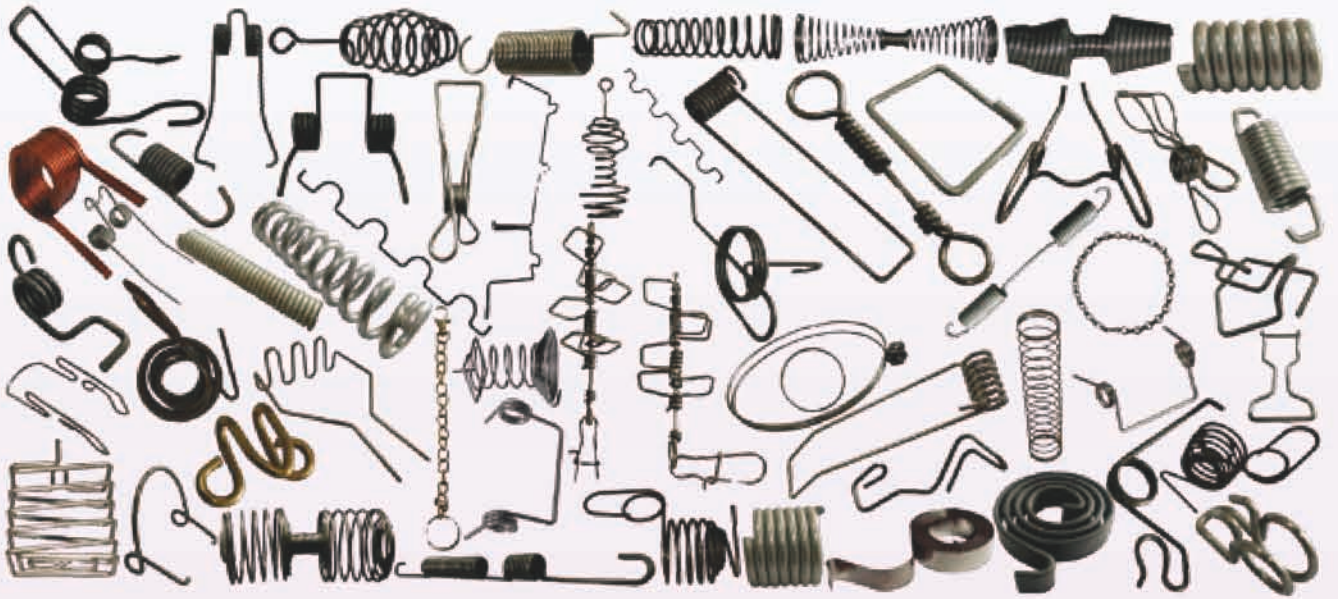
		SMC5008
Input and Output	DI input	32
	DO output	24
	AI analog input	2
	A0-Vdd analog output	2
	Servo_Pulse Pulse servo axis	8
	Servo_Bus Bus servo axis	
	Encode encoder	
	EtherCAT	0
	RTEX	
Communication interface	Ethernet	1
	USB	1
	CAN	1
	RS422	0
	RS485	2
	cycle	Sri500
	Interpolation algorithm	support
Software and hardware technology	Multi-axis synchronization	support
	Integrated Inspector	
	Graphical programming	
	I0 field programming	
	Log function	support
	remote desktop	support
	Remote device management	support

SMC5014S	SMC5016
48	48
39	39
2	2
2	2
14	16
0	0
2	2
0	0
0	0
1	1
1	1
0	0
0	0
3	3
400 μ S	400 μ S
support	support
Sync/Speed	Sync/Speed
Visual/capacitive	Visual/capacitive
support	support
support	support
support	support
support	support
support	support

Display specifications

Model		WirHMI-170-40	WirHMI-0170-3
			
Processor	CPU	ARM 1GMHz	ARM 600MHz
	内存	512MB	128MB
	FLASH	512MB	128MB
	SD	64G (Optional)	NA
Monitor	size	17.0 “	17.0 “
	Resolution	1280x1024	1280x1024
	Backlight source	LED	LED
	touchscreen	NA	Resistive
Operation panel	Touch the button	0	0
	Indicator light	0	0
	Universal keyboard	1	1
	Mouse	1	1
Communication interface	Ethernet	2	1
	RS422	1	1
	RS485	1	1
	RS232	1	1
	USB	2	2
	Wireless Communications	2G/4G Global frequency bands	NA
Software and hardware technology	Operating system	Linux OS	Linux OS
	UI system	Arcuchi WinDraw	Arcuchi WinDraw
	Remote device management	support	NA

0	WirHMI-0170-20	WirHMI-0170-10	WirHMI-0170-00
			
	ARM 600MHz	ARM 600MHz	ARM 600MHz
	128MB	128MB	128MB
	128MB	128MB	128MB
	NA	NA	NA
	17.0 “	17.0 “	17.0 “
	1280x1024	1280x1024	1280x1024
	LED	LED	LED
	NA	NA	NA
	0	0	64
	0	0	40
	1	1	0
	1	1	1
	1	1	1
	1	1	1
	1	1	1
	1	1	1
	2	2	2
	NA	NA	NA
	Linux OS	Linux OS	Linux OS
	Arcuchi WinDraw	Arcuchi WinDraw	Arcuchi WinDraw
	NA	NA	NA





A MARK OF TRUST




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