

公司地理位置:



公路里程表:
 嵊州站 至 上海: 280公里
 至 杭州: 120公里
 至 宁波: 98公里
 至 义乌: 88公里
 至 诸暨: 110公里
 至 温州: 280公里

城市
 高速公路
 104国道线
 铁路
 飞机场
 码头



金狮弹簧机械有限公司
 GOLD LION SPRING MACHINE CO., LTD
 创宇机械科技有限公司
 CHUANGYU MECHANICAL TECHNOLOGY CO., LTD

中国浙江省嵊州市金狮弹簧机械有限公司 GOLD LION SPRING MACHINE CO., LTD

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 电子信箱/E-mail: twjxw@twjxw.net
 网上贸易市场阿里巴巴诚信通 阿里巴巴“中国供应商”
 E-trade Market: VIP and “China Supplier” of www.Alibaba.com
 Http://www.twjxw.net www.twjxw.com

总公司国际销售/Sell in abroad:
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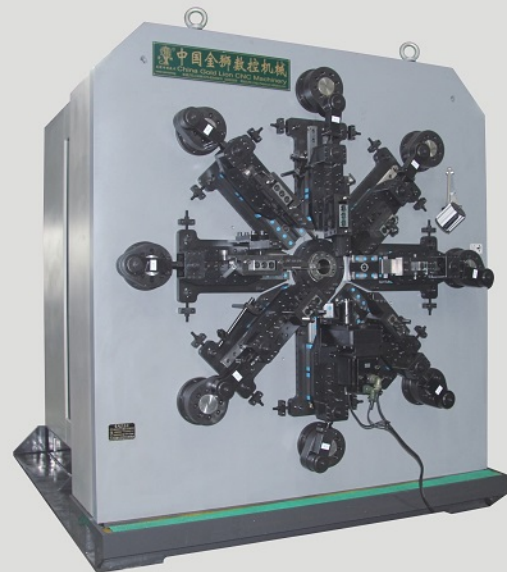
江苏省常州市技术服务中心/Changzhou Technical Service Center, Jiangsu
 总公司主管经理: 竺先生 1385852976

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 Qingfeng Road, Fenghuang Town, Shapingbei District, Chongqing city (opposite of Shell gas station)
 总公司主管经理: 杨先生 13587358383

天津市技术服务中心/Tianjin Technical Service Center
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印于2015年6月



微信二维码

中國·浙江·嵊州
 Shengzhou · Zhejiang · China



高科技企业 Hi-tech enterprise

真诚合作、实现共赢

Sincere cooperation, Achieve win-win situation

创新卓越、服务永恒

Innovation Excellence, Services eternal



Company profile

公司简介

嵊州市金狮弹簧机械有限公司（分公司：浙江省嵊州市创宇机械科技有限公司）地处中国浙江东部，北靠杭州，东邻宁波，属长江三角洲经济区。占地建筑面积68000平方米，员工380人，设有开发研制中心。公司引进德国、日本的多轴技术，和高等院校、科研单位合作研发了三十多项专利技术，不断提高自动化程度，让用户尽量简单的操作来制造高精度弹簧，即使卷绕复杂弹簧也是一次成形，无需另外加工。其产品具有“调机快速，精密准确，稳定可靠，操作简单”的特点；投放市场后获得天津轨道交通有限公司(北车)、南方汇通股份有限公司(南车)、中核建中核燃料元件有限公司、内蒙古一机集团(军工企业)、广州华德汽车弹簧有限公司、成都宁兴汽车弹簧有限公司、浙江美力科技股份有限公司、诸暨市各大弹簧制造公司等广大用户的青睐，并结合社会新技术、新材料、新设备的不断涌现，随时进行产品更新换代和系列化的规格延伸，制造精度更高、弹簧形状更复杂、自动化程度更高的智能弹簧成形机械，年年都推出领先市场的新产品，向高、精、尖方向发展，步入了国内弹簧机械制造业的先进行列，是我国《数控弹簧机》行业标准的起草单位，自动锻压机，安全技术要求国家标准起草单位。现总公司专业生产钢丝直径在 $\phi 0.1\text{mm} \sim \phi 23\text{mm}$ 之间的数控弹簧机、数控磨簧机，分车间专业生产自动卷簧机、扭簧机、调直机和回火炉等弹簧机械装备，产品行销国内及欧美等市场。公司将始终坚持以顾客为中心，追求人品与科技的完美结合，协力创新，共创辉煌。

Shengzhou Gold lion spring machine co.,ltd(Branch: Zhejiang Shengzhou ChuangYu Machinery co.,ltd) located in the east of Zhejiang province, lies to the south of Hangzhou and the west of Ningbo, belongs to the Yangtze Delta Economic Development Zone. It covers an area of 68000 square meters, has 380 employee, and own development research center. The company introduce multi-axis technology from Germany and Japan, and cooperate with high school and R&D institution, R&D more than 30 patent technology, continuously improve automation degree, make the customer use the simple way to produce the high precision spring. Even the complex spring coiled in one step, without second process. The produce has the feature of "fast debugging, precise and accurate, stable and reliable, easy operation" The machine is enjoyed by Tianjin JL Railway Transport Equipment Ltd, South Huiton CO.,LTD, China Jianzhong Nuclear Fuel Co., Ltd, Inner Mongolia First Machinery Group Corporation, Guangzhou Huade Automobile Spring CO.,LTD, Ningxing Automobile Spring CO.,LTD, Zhe Jiang MeiLi High Technology CO.,LTD, Each big spring manufacturing CO.,LTD and so on. Combined with social new technology, new material and new equipment constantly emerging, product update and specification extension, making the CNC spring machinery for higher precision, more complex spring and higher automation degree. Launch new product to the market every year, and developing to the high point, stepped into the domestic spring machine manufacturing advanced rank, is draft enterprise for Chinese (CNC spring machine) industry standard and GB《Automatic forge press Technical conditions for safety》. Now the parent company specialized in making CNC spring machine and CNC spring grinding machine, wire diameter between 0.1-23mm. And branch company produce automatic coiling machine, torsion machine, straightener and tempering furnace. The product is selling to the Domestic, European and American market. The company will always stick to customer as the center, pursue the perfect combination of character and technology, together innovation, create brilliance.

Company Honor 公司荣誉

专利智能成形技术

Patent intelligence forming technology

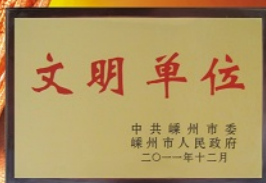
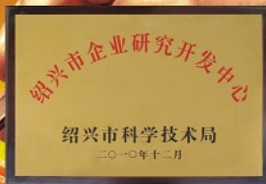
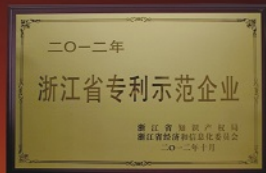
客户满意是我们的荣耀，主动争取做得更好，承担更多的责任。责任是一种精神，责任即荣誉。

责任来自哪里？

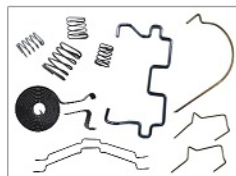
责任来自于对每一台机械的完美达标，来自于对自我的一种认定，来自于对自身不断超越的渴求...

The satisfactory of customers is our honor, initiatively try to be much better and take more responsibilities. As for responsibility, it is a spirit, it is an honor.

Where does responsibility come from?
It comes from the Machinery fulfillment of quality standard of every project; it comes from self-recognition; it comes from the constant desire for breakthrough in ourself! ...



Spring Samples 弹簧实例



Company Equipment 公司设备

公司拥有多条先进的自动化生产流水线，在生产过程中所能达到的精确度均属行业一流水准。高效、快捷、有序的现代化管理，把工程失误控制在最小程度，确保产品的优良品质，为客户提供满意的服务。

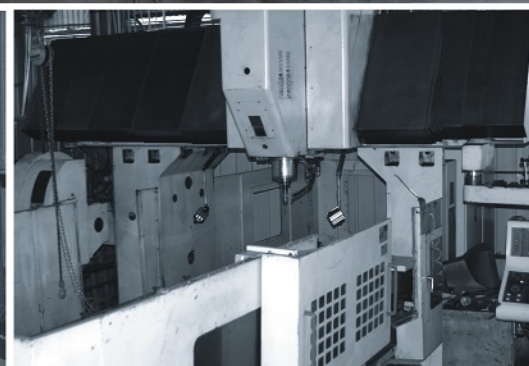
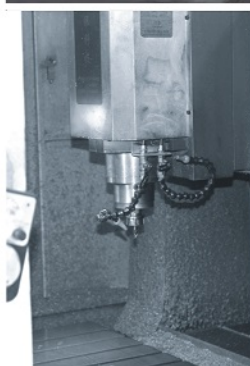
以客户需求为原动力，创一流产品，以零缺点作为评定品质成效的标准，不接受不良品、不制造不良品。不满现状，永远思考更好的方法。产品品质上的追求，不是只做最好，而是要做更好的。

The company owns several advanced automatic production line. The precision it can achieve during production ranks first in this field.

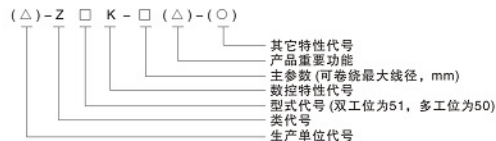
Furthermore, the efficient, rapid and orderly modern management of Gold Lion can minimize the project failures, guarantee the products quality and offer satisfactory service to customers.

Customer demand is our impetus, create the first-class product, zero defects as the effective quality standard, do not accept inferior product, do not make inferior product. Do not meet the status quo, always thinking the way to make the better product. Our pursuit of quality is not only do the best, but do the better.

加工中心 Machining Center



根据数控卷簧机行业标准
数控卷簧机型号表示方法如图示：



注1: 有“()”的代号, 如无内容时则不表示, 有内容时则无括号。

注2: 有“△”符号的, 为大写汉语拼音字母。

注3: 有“□”符号的, 为阿拉伯数字。

注4: 有“○”符号的, 为大写汉语拼音字母或阿拉伯数字。

型号示例或标记示例如下:

示例1: XXX公司生产的六轴、可卷绕最大线径为20mm, 无其它特殊功能的数控双工位卷簧机型号表示为: XXX-Z51K-20-6。

示例2: XXX公司生产的、十二轴、可卷绕最大线径为6mm, 并配有转轮和转芯功能的数控多工位卷簧机表示为: XXX-Z50K-6-ZX-12。

NC Spring Making Machine

九轴数控弹簧成形机

型号: CK6230(JS-Z51K-23-6)

产品介绍

9 轴数控弹簧成形机是公司专业设计团队在消化、吸收了国际先进技术的基础上,进行了重大创新,功能增加,自动化程度更高,有 9 套伺服电机系统。外径刀装置在整体式组件上,以达到完美及稳定的水平和垂直弯曲动作。旋向转换只需软件的控制,不需机械调整。辅助芯以伺服马达进行垂直移动,切刀可垂直直式直切,旋转式摆切,撞击式扭切,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。控制稿是中英文界面,有图形化程式,图像智能编程。

Model: CK6230

Introduction of Product

CK6230 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subtend cut, twist cut, swing cut and so on.

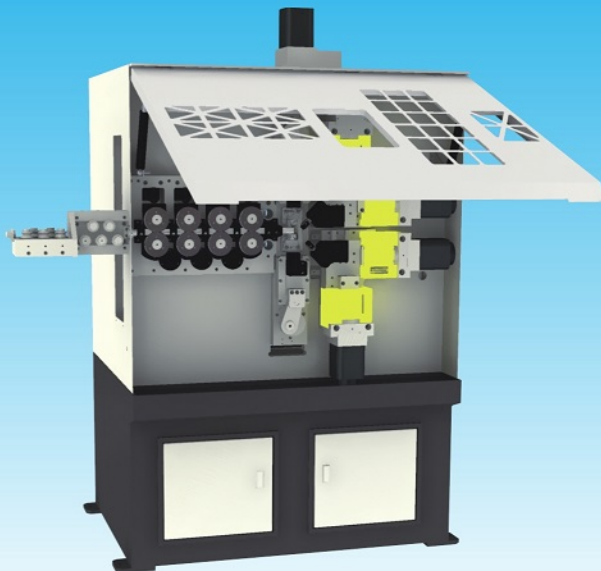
技术参数 Specification

型号 Model	CK940	CK960	CK9100
Servo Axes 伺服轴数	9	9	9
Wire Diameter 线径范围(mm)	1-4.0	1.5-6.0	4.0-10.0
Outside Diameter 最大外径(mm)	70	90	130
Wire Feed Length 送料长度	Limitless 无限	Limitless 无限	Limitless 无限
Wire Feed Speed 送料速度(m/min)	0-180	0-150	0-140
Production Rate 生产速度(pcs/min)	≤200	≤150	≤110
Left or Right Winding Rate 左右螺旋比(Dm/d)	3	3	3
Wire Feed Cam 送料轴(组)	2	4	5
Wire Feed Axis 送料轴(kw)	4.5	15	30
外径刀垂直轴	1KW × 2	2KW × 2	3.5KW × 2
外径刀水平轴	1KW × 2	2KW × 2	3.5KW × 2
Pitch Axis 节距推刀轴(kw)	1	2	2.7
Upper Cutting Axis 上切刀轴(kw)	2	3.8	7
Lower Cutting Axis 下切刀轴(kw)	2	3.8	7
切断机构升降轴	1.5KW	2KW	3.5KW
Servo Motor 伺服马达总动力(kw)	15	34.6	64.2
Dimensions 机器尺寸	长L(mm)	1700	2280
	宽W(mm)	1180	1285
	高H(mm)	2000	2350
Machine Weight 机器重量(Kgs)	2100	3200	10500



CK940 960 CK9100 NC Spring Making Machine 九轴数控弹簧成形机

发明专利技术 Invention patent technology



NC Spring Making Machine

八轴数控弹簧成形机

型号: CK8120(JS-Z51K-12-8)
CK8140(JS-Z51K-14-8)

产品介绍

CK8120 是公司专业设计团队在消化、吸收了国际先进技术的基础上,做了重大改进和创新,属亚洲首创,功能增加,形成任意移动成簧控制刀具,调试变径范围很大的异形弹簧卷制更加方便,大小头第一圈更加圆滑,自动化程度更高,有八套伺服电机系统,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。新增摆式变径机构,保证对钢丝的最佳施力方向,具有简单易学,成簧精度高,噪声低等特点。送料机构采用全封闭变速齿轮箱,有高速、低速两档变速,适合不同线材的需要,有效的提高一倍生产率;控制界面中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK8120	CK8140
Servo Axes 伺服轴数	8	8
Wire Diameter 线径范围(mm)	6.0-12	7.0-14
Outside Diameter 最大外径(mm)	150	200
Wire Feed Length 送料长度	Limitless 无限	Limitless 无限
Wire Feed Speed 送料速度(m/min)	I 档70 II 档140	I 档70 II 档140
Production Rate 生产速度(pcs/min)	≤100	≤90
Left or Right Winding Rate 左右缠绕比(Dm/d)	3	3
Wire Feed Cam 送料轴(组)	5	5
Wire Feed Axis 送料轴(kw)	30	30
Diameter Axis 外径轴(kw)	3.8x2	4.5x2
Pitch Axis 节距轴(kw)	4.5	4.5
Mid Diameter Axis 中变径轴(kw)	2.7x2	2.7x2
Cutting Axis 切刀轴(kw)	15x2	20x2
Servo Motor 伺服马达总动力(kw)	77.5	88.9
Dimensions 机器尺寸	长L (mm)	3200
	宽W (mm)	2250
	高H (mm)	2600
Machine Weight 机器重量(Kgs)	15000	20000

Model: CK8120、CK8140

Introduction of Product

CK8120 is developed by our design team on the base of eight axis machine, made a lot of improvement and innovation, is the initiate of Asia, with more function, and can move the coiling tools optionally. Debug the spring with large diameter range more easy and the first coil more smooth, higher automation degree with eight servo motor system. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. New additional swing diameter adjustable mechanism, insure the best force direction to the wire, has the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subtend cut, twist cut, swing cut and so on.

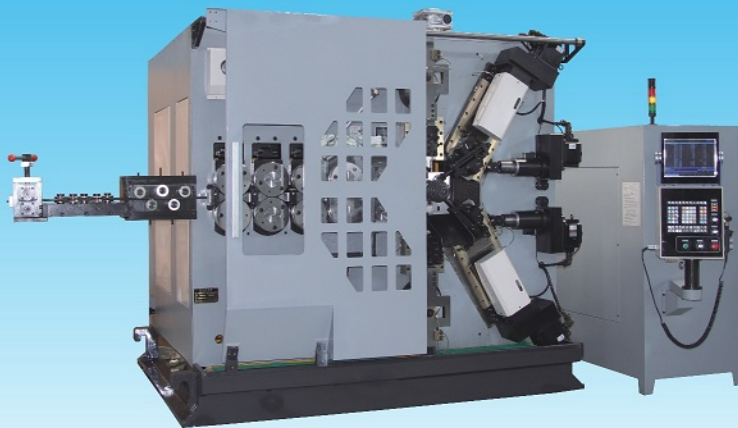


CK8120 CK8140

NC Spring Making Machine 八轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK6230(JS-Z51K-23-6)

产品介绍

CK6230 型是公司专业设计团队在消化、吸收了国际先进技术的基础上,进行了重大创新,功能增加,自动化程度更高,有6套伺服电机系统。它完全抛弃了传统5轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑块,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有 生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送料机构采用全封闭大模数高强度变齿齿轮箱,有高速、低速两档变速,适合不同口径的需要,有效的提高一倍生产率;控制箱是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK6230	
Servo Axes 伺服轴数	6	
Wire Diameter 线径范围(mm)	10-23	
Outside Diameter 最大外径(mm)	280	
Wire Feed Length 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	I 档37 II 档100	
Production Rate 生产速度(pcs/min)	≤80	
Left or Right Winding Rate 左右旋转比(Dm/d)	3	
Wire Feed Cam 送料轮(组)	6	
Wire Feed Axis 送料轴(kw)	55	
Up reducer axis 上变径轴(kw)	15	
Down reducer axis 下变径轴(kw)	15	
Pitch Axis 节距推刀轴(kw)	5.5	
Upper Cutting Axis 上切刀轴(kw)	30	
Lower Cutting Axis 下切刀轴(kw)	30	
Servo Motor 伺服马达总动力(kw)	150.5	
Dimensions 机器尺寸	长L (mm)	4650
	宽W(mm)	3000
	高H (mm)	3360
Machine Weight 机器重量(Kgs)	39800	

Model: CK6230

Introduction of Product

CK6230 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subfeed cut, twist cut, swing cut and so on.



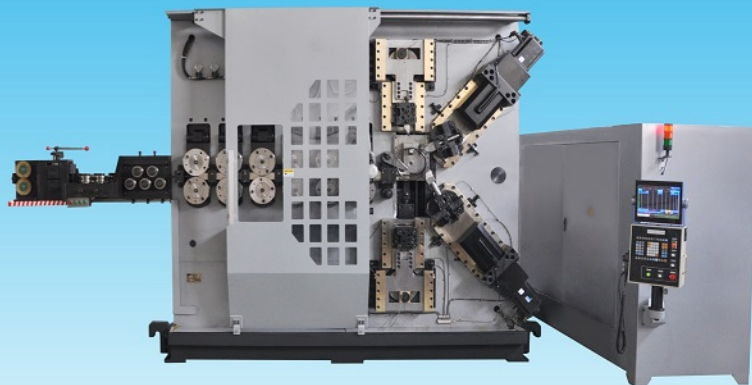
CK6230

NC Spring Making Machine

六轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK6200(JS-Z51K-20-6)
CK6180(JS-Z51K-18-6)
CK6160(JS-Z51K-16-6)

产品介绍

CK6160 型是公司专业设计团队在消化、吸收了国际先进技术的基础上,进行了重大创新,功能增加,自动化程度更高,有6套伺服电机系统。它完全抛弃了传统5轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有“生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送料机构采用全封闭大模数高强度变速齿轮箱,有高速、低速两档变速,适合不同线径的需要,有效的提高一倍生产率;控制柜是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK6200	CK6180	CK6160
Servo Axes 伺服轴数	6	6	6
Wire Diameter 线径范围(mm)	10.0-20.0	8.0-18.0	8.0-16.0
Outside Diameter 最大外径(mm)	250	250	250
Wire Feed Length 送料长度	Limitless 无限	Limitless 无限	Limitless 无限
Wire Feed Speed 送料速度(m/min)	I 档37 II 档100	I 档37 II 档100	I 档37 II 档100
Production Rate 生产速度(pcs/min)	≤80	≤85	≤90
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	3	3
Wire Feed Cam 送料轮(组)	6	6	6
Wire Feed Axis 送料轴(kw)	55	55	45-55
Diameter Axis 外径轴(kw)	7×2	5.5×2	5.5×2
Pitch Axis 节距修刀轴(kw)	5.5	5.5	5.5
Upper Cutting Axis 上切刀轴(kw)	30	25	25
Lower Cutting Axis 下切刀轴(kw)	30	25	25
Servo Motor 伺服马达总动力(kw)	134.5	121.5	111.5-121.5
Dimensions 机器尺寸	长L (mm)	4600	4550
	宽W (mm)	2600	2550
	高H (mm)	3000	2950
Machine Weight 机器重量(Kgs)	32000	30000	28000

Model: CK6200, CK6180, CK6160

Introduction of Product

CK6160 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, sub-tend cut, twist cut, swing cut and so on.

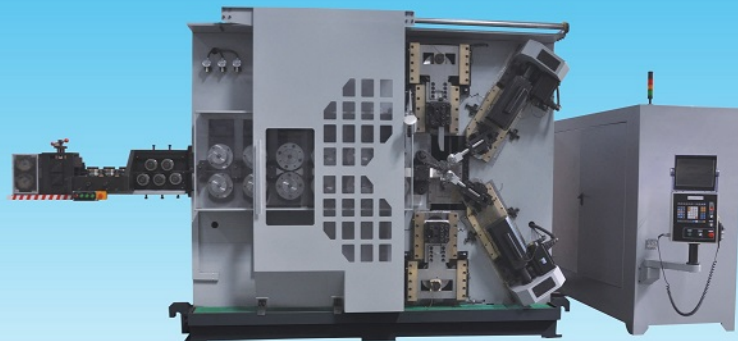


CK6200 6180 CK6160

NC Spring Making Machine 六轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK6140(JS-Z51K-14-6)

产品介绍

CK6140 型是公司专业设计团队在消化、吸收了国际先进技术的基础上,进行了重大创新,功能增加,自动化程度更高,有6套伺服电机系统。它完全抛弃了传统5轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有 生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送料机构采用全封闭大模数高强度变速齿轮箱,有高速、低速两档变速,适合不同线材的需要,有效的提高一倍生产率;控制箱是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK6140	
Servo Axes 伺服轴数	6	
Wire Diameter 线径范围(mm)	7.0-14.0	
Outside Diameter 最大外径(mm)	200	
Wire Feed Length 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	I 档70 II 档140	
Production Rate 生产速度(pcs/min)	≤90	
Left or Right Winding Rate 左右缠绕比(Dm/d)	3	
Wire Feed Cam 送料轮(组)	5	
Wire Feed Axis 送料轴(kw)	30	
Diameter Axis 外径轴(kw)	4.5x2	
Pitch Axis 节距推刀轴(kw)	4.5	
Upper Cutting Axis 上切刀轴(kw)	20	
Lower Cutting Axis 下切刀轴(kw)	20	
Servo Motor 伺服马达总动力(kw)	83.5	
Dimensions 机器尺寸	长L (mm)	3450
	宽W (mm)	2300
	高H (mm)	2750
Machine Weight 机器重量(Kgs)	20000	

Model: CK6140

Introduction of Product

CK6140 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subfeed cut, twist cut, swing cut and so on.



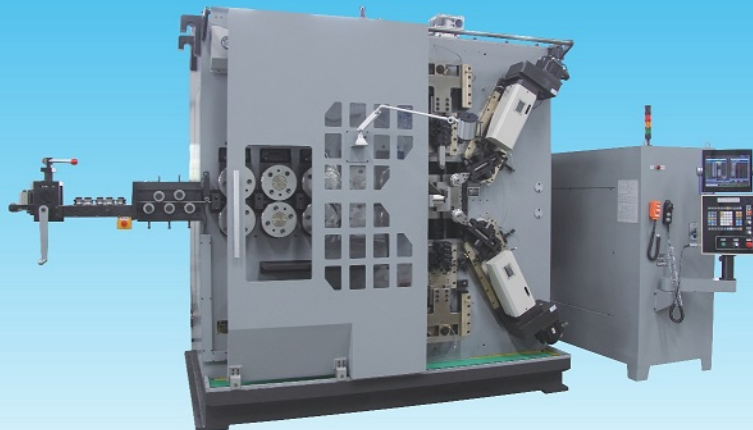
CK6140

NC Spring Making Machine

六轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK6120(JS-Z51K-12-6)

产品介绍

CK6120 型是公司专业设计团队在消化、吸收了国际先进技术的基础上,进行了重大创新,功能增加,自动化程度更高,有6套伺服电机系统。它完全抛弃了传统5轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有 生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送线机构采用全封闭大模数高强度变速齿轮箱,有高速、低速两档变速,适合不同线材的需要,有效的提高一倍生产率;控制箱是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK6120	
Servo Axes 伺服轴数	6	
Wire Diameter 线径范围(mm)	6.0-12.0	
Outside Diameter 最大外径(mm)	150	
Wire Feed Lenght 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	I 档70 II 档140	
Production Rate 生产速度(pcs/min)	≤100	
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	
Wire Feed Cam 送料凸轮(组)	5	
Wire Feed Axis 送料轴(kw)	30	
Diameter Axis 外径轴(kw)	3.8x2	
Pitch Axis 节距推刀轴(kw)	4.5	
Upper Cutting Axis 上切刀轴(kw)	15	
Lower Cutting Axis 下切刀轴(kw)	15	
Servo Motor 伺服马达总动力(kw)	72.1	
Dimensions 机器尺寸	长L (mm)	3200
	宽W (mm)	2250
	高H (mm)	2600
Machine Weight 机器重量(Kgs)	15000	

Model: CK6120

Introduction of Product

CK6120 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subfend cut, twist cut, swing cut and so on.



CK6120

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发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK690(JS-Z51K-9-6)

产品介绍

CK690 型是公司专业设计团队在消化、吸收了国际先进技术的基礎上,进行了重大创新,功能增加,自动化程度更高,有 6 套伺服电机系统。它完全抛弃了传统 5 轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有 生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送料机构采用全封闭大模数高强度变齿密齿轮,有高速、低速两档变速,适合不同线材的需要,有效的提高一倍生产率;控制箱是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK690	CK6100
Servo Axes 伺服轴数	6	6
Wire Diameter 线径范围(mm)	3.0-9.0	4.0-10.0
Outside Diameter 最大外径(mm)	120	130
Wire Feed Length 送料长度	Limitless 无限	Limitless 无限
Wire Feed Speed 送料速度(m/min)	I 档 70 II 档 140	I 档 70 II 档 140
Production Rate 生产速度(pcs/min)	≤120	≤110
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	3
Wire Feed Cam 送料轮(组)	5	5
Wire Feed Axis 送料轴(kw)	30	30
Diameter Axis 外径轴(kw)	4.5x2	3.8x2
Pitch Axis 节距推刀轴(kw)	3.8	4.5
Upper Cutting Axis 上切刀轴(kw)	11	15
Lower Cutting Axis 下切刀轴(kw)	11	15
Servo Motor 伺服马达总动力(kw)	64.8	72.1
Dimensions 机器尺寸	长L (mm)	2218
	宽W (mm)	1850
	高H (mm)	2300
Machine Weight 机器重量(Kgs)	7500	10000

Model: CK690

Introduction of Product

CK690 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subtend cut, twist cut, swing cut and so on.



CK690

NC Spring Making Machine

六轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

六轴数控弹簧成形机

型号: CK660(JS-Z51K-6-6)

产品介绍

CK660 型是公司专业设计团队在消化、吸收了国际先进技术的基礎上,进行了重大创新,功能增加,自动化程度更高,有 6 套伺服电机系统。它完全抛弃了传统 5 轴变径机构的齿轮传动,杠杆结构,凸轮结构,由伺服电机直接驱动高强度进口滚珠丝杆,推动顶簧销滑板,全由电脑系统控制弹簧的外径,真正实现了电脑机的人机对话。具有 生产速度快,调机简单、方便,精密准确,噪声低,稳定可靠,新工人易学易懂等特点,是金狮的发明专利。送料机构采用全封闭大模数高强度变速齿轮箱,有高速、低速两档变速,适合不同线材的需要,有效的提高一倍生产率;控制箱是中英文界面,有图形化程式,图像智能编程;具有直切、对切、摆切等功能。

技术参数 Specification

型号 Model	CK660	
Servo Axes 伺服轴数	6	
Wire Diameter 线径范围(mm)	1.5-6.0	
Outside Diameter 最大外径(mm)	90	
Wire Feed Length 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	0-150	
Production Rate 生产速度(pcs/min)	≤150	
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	
Wire Feed Cam 送料轮(组)	3	
Wire Feed Axis 送料轴(kw)	15	
Diameter Axis 变径轴(kw)	2×2	
Pitch Axis 节距推刀轴(kw)	2	
Upper Cutting Axis 上切刀轴(kw)	3.8	
Lower Cutting Axis 下切刀轴(kw)	3.8	
Servo Motor 伺服马达总动力(kw)	28.6	
Dimensions 机器尺寸	长L (mm)	1900
	宽W(mm)	1285
	高H (mm)	2150
Machine Weight 机器重量(Kgs)	2900	



CK660

NC Spring Making Machine

六轴数控弹簧成形机

Model:CK660

Introduction of Product

CK660 is developed by our design team on the base of five axis machine, made a lot of improvement and innovation, is the updated patent product, with more function and higher automation degree, has six servo motor. It completely abandoned the traditional five-axis computer machine reducing structure of gear drive, lever structure, cam structure. The servo motor directly drives the imported high precision ball screw, push the coiling pin slider, the computer control the spring outside diameter, truly achieve man-machine dialogue. It owns the feature of easy to learn, high precision and low noise. The feeding part adopt full closed variable speed gearbox, high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subend cut, twist cut, swing cut and so on.



CNC Spring Coiling Machine

五轴数控弹簧成形机

型号: CK5120(JS-Z51K-12-5)
CK5160(JS-Z51K-16-5)
CK5200(JS-Z51K-20-5)

产品介绍

本设备具备进口5轴卷簧机的全部性能基础上,它的最大特点:增加了送料轮组数,提高送料牵引力,保证送料精度的可靠性及送料轴承的耐用度。另外,各工作部位已加大,提高了整机的强度和刚性,送料由独立的高强度变速齿轮箱驱动,并且是高速、低速两档变速,适合不同线径的需要,有效的提高一倍生产率。控制箱是中英文界面,有图形化程式,能自动编程;具有直切、对切、扭切、摆切等功能。

Model: CK5120, CK5160, CK5200

Introduction of Product

Besides the full performance of imported five axis compression spring machine, the most prominent feature of the machine is: it adds the pairs of the feeding rollers, increase the tractive force of wire feeding, ensure the reliability of the feeding precision and the stable of feeding axis bearing. In addition, each working part is enlarged, increase the strength and rigidity of the machine, the feeding is controlled by the gearbox independently, with two grade of high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subtend cut, twist cut, swing cut and so on.

技术参数 Specification

型号 Model	CK5120	CK5160	CK5200
Servo Axes 伺服轴数	5	5	5
Wire Diameter 线径范围 (mm)	6.0-12.0	8.0-16.0	10.0-20.0
Outside Diameter 最大外径 (mm)	150	250	250
Wire Feed Length 送料长度	Limitless 无限	Limitless 无限	Limitless 无限
Wire Feed Speed 送料速度(m/min)	70-140	37-100	37-100
Production Rate 生产速度 (pcs/min)	≤100	≤90	≤80
Left or Right Winding Rate 左右度线比(Dm/d)	3	3	3
Wire Feed Cam 送料轮(组)	5	6	6
Wire Feed Axis 送料轴(kw)	30	45-55	55
Diameter Axis 变径轴 (kw)	11	15	22
Pitch Axis 节距推刀轴 (kw)	4.5	5.5	5.5
Upper Cutting Axis 上切刀轴(kw)	15	25	30
Lower Cutting Axis 下切刀轴(kw)	15	25	30
Servo Motor 伺服马达总动力(kw)	75.5	115.5-125.5	142.5
Dimensions 机器尺寸	长L (mm)	3200	4500
	宽W (mm)	2250	2500
	高H (mm)	2600	2900
Machine Weight 机器重量 (Kgs)	15000	28000	32000

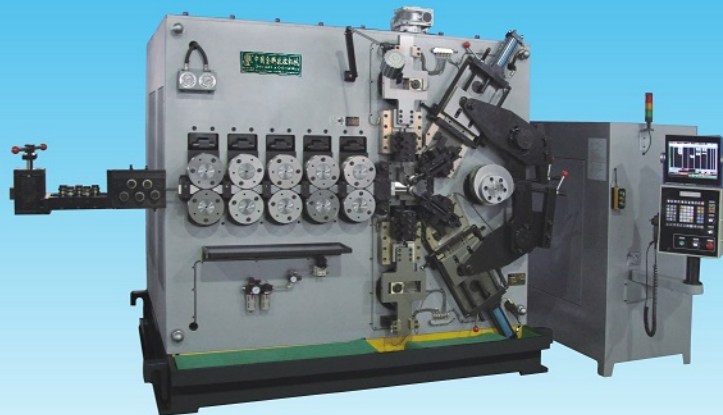


CK5120 5160 CK5200

CNC Spring Coiling Machine 五轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

五轴数控弹簧成形机

型号: CK590(JS-Z51K-9-5)

产品介绍

本设备具备进口5轴卷簧机的全部性能基础上,它的最大特点:增加了送线轮组数,提高送线牵引力,保证送线精度的可靠性及送线轴承的耐用度。另外,各工作部位已加大,提高了整机的强度和刚性,送线由独立的高强度变速齿轮箱驱动,并且是高速、低速两档变速,适合不同线径的需要,有效的提高一倍生产率。控制箱是中英文界面,有图形化程式,能自动编程;具有直切、对切、扭切、摆切等功能。

技术参数 Specification

型号 Model	CK590	
Servo Axes 伺服轴数	5	
Wire Diameter 线径范围 (mm)	3.0-9.0	
Outside Diameter 最大外径 (mm)	120	
Wire Feed Length 送料长度	Limitless 无限	
Wire Feed Speed 送料速度(m/min)	70-140	
Production Rate 生产速度 (pcs/min)	≤120	
Left or Right Winding Rate 左右旋绕比(Dm/d)	3	
Wire Feed Cam 送料轮(组)	5	
Wire Feed Axis 送料轴(kw)	30	
Diameter Axis 变径轴 (kw)	7	
Pitch Axis 节距推刀轴 (kw)	3.8	
Upper Cutting Axis 上切刀轴(kw)	11	
Lower Cutting Axis 下切刀轴(kw)	11	
Servo Motor 伺服马达总动力(kw)	62.8	
Dimensions 机器尺寸	长L (mm)	2218
	宽W(mm)	1850
	高H (mm)	2300
Machine Weight 机器重量(Kgs)	7500	

Model: CK590

Introduction of Product

Besides the full performance of imported five axis compression spring machine, the most prominent feature of the machine is: it adds the pairs of the feeding rollers, increase the tractive force of wire feeding, ensure the reliability of the feeding precision and the stable of feeding axis bearing. In addition, each working part is enlarged, increase the strength and rigidity of the machine, the feeding is controlled by the gearbox independently, with two grade of high speed and low speed, is suitable for different wire diameter, doubled the productivity effectively. The computer interface can be changed to Chinese or English, the graphical program can program automatically. The machine also has the function of straight cut, subntend cut, twist cut, swing cut and so on.



CK590

NC Spring Making Machine

五轴数控弹簧成形机

发明专利技术

Invention patent technology



NC Spring Making Machine

数控弹簧成形机

型号: CK350型(轻型)(JS-Z51K-5-3)

产品介绍

本设备是由三个伺服马达和电脑控制系统组成, 操作简便, 适合制造各种高精度弹簧。主要部件用高耐磨性材料精心制造。技术先进, 精密度高, 是制造弹簧首选设备。

技术参数 Specification

型号 Model	CK350	
Wire Diameter(mm) 线径(mm)	$\phi 0.8 - \phi 5.0$	
Outside Diameter(mm) 外径(mm)	Max $\phi 70$	
Production Rate 生产速度(pcs/min)	≤ 200	
Feeding Length(mm) 送料指令值(mm)	$\pm 0.01 - \pm 9999.99$	
Wire Feed Speed 送料速度	0-127m/min	
Can Setting Value 凸轮指令值	$\pm 0.1^\circ - \pm 359.9^\circ$	
Wire Feed Servo 送料伺服马达(KW)	Moter	4.5
Cam Servo 凸轮伺服马达(KW)		5.5
Pitch Servo 节距伺服马达(KW)		1.5
Power AC 电源	380V $\pm 10\%$ AC.50HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	1800x1500x1850	
Machine Weight 机器重量 (不含送料盘和料架) Gross Plate Frame	1600KG	

Model:CK350Type

Introduction of Product

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 high abrasion resistant material. The machine features advanced technology and high precision, is customer's favorite choice for making springs.



CK350型(轻型)

NC Spring Making Machine

数控弹簧成形机



NC Spring Making Machine

数控弹簧成形机

型号: CK338型(JS-Z51K-3.8-3)

产品介绍

本设备是由三个伺服马达和电脑控制系统组成, 操作简单, 适合制造各种高精度弹簧。主要部件用高耐磨性材料精心制造。技术先进, 精密度高, 是制造弹簧首选设备。

说明: 4.5千瓦伺服电机R型体积小, 扭矩与5.5千瓦M型一样, 方便高速加工弹簧。

技术参数 Specification

型号 Model	CK338	
Wire Diameter(mm) 线径(mm)	$\phi 0.8 - \phi 3.8$	
Outside Diameter(mm) 外径(mm)	Max $\phi 70$	
Production Rate 生产速度(pcs/min)	≤ 200	
Feeding Length(mm) 送料指令值(mm)	$\pm 0.01 - \pm 9999.99$	
Wire Feed Speed 送料速度	0-127m/min	
Can Setting Value 凸轮指令值	$\pm 0.1^\circ - \pm 359.9^\circ$	
Wire Feed Servo 送料伺服马达(KW)	Moter	4.5(R型)
Cam Servo 凸轮伺服马达(KW)		4.5(R型)
Pitch Servo 节距伺服马达(KW)		1.5
Power AC 电源	380V.AC.50HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	1700x1500x1850	
Machine Weight 机器重量 (不含冷却液箱) Gross Plate Frame	1350KG	

Model:CK338Type

Introduction of Product

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 high abrasion resistant material. The machine features advanced technology and high precision, is customer's favorite choice for making springs.

Note: 4.5KW servo motor R type is of small size, torque is same of 5.5KW M type, it is convenient for making spring in high speed.



CK338型

NC Spring Making Machine

数控弹簧成形机



NC Spring Making Machine

数控弹簧成形机

型号: CK325(JS-Z51K-2.5-3)

产品介绍

本设备是由三个伺服马达和电脑控制系统组成, 操作简单, 适合制造各种高精度弹簧。主要部件用高耐磨性材料精心制造。技术先进, 精密度高, 是制造弹簧首选设备。

技术参数 Specification

型号 Model	CK325	
Wire Diameter(mm) 线径(mm)	$\phi 0.5 - \phi 2.5$	
Outside Diameter(mm) 外径(mm)	Max $\phi 42$	
Production Rate 生产速度(pcs/min)	≤ 250 件	
Feeding Length(mm) 送料指令值(mm)	$\pm 0.01 - \pm 9999.99$	
Wire Feed Speed 送料速度	0-135m/min	
Can Setting Value 凸轮指令值	$\pm 0.1^\circ - \pm 359.9^\circ$	
Wire Feed Servo 送料伺服马达(KW)	Moter	2.7
Cam Servo 凸轮伺服马达(KW)		2.7
Pitch Servo 节距伺服马达(KW)		1.0
Power AC 电源	Three phase 380V.AC.50HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	1280x900x1650	
Machine Weight 机器重量 Weight: 700KG Steel Plate Frame	700KG	

Model: CK325

Introduction of Product

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 high abrasion resistant material. The machine features advanced technology and high precision, is customer's favorite choice for making springs.



CK325

NC Spring Making Machine

数控弹簧成形机



NC Spring Making Machine

数控弹簧成形机

型号: CK316(JS-Z51K-1.6-3)

产品介绍

本设备是由三个伺服马达和电脑控制系统(带自动伸长装置)组成, 操作简易, 适合制造各种高精度弹簧。主要部件用高耐磨性材料精心制造。技术先进, 精密度高, 是制造弹簧首选设备。

Model: CK316

Introduction of Product

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

技术参数 Specification

型号 Model	CK312	CK316
Wire Diameter(mm) 线径(mm)	φ 0.2- φ 1.2	φ 0.3- φ 1.6
Outside Diameter(mm) 外径(mm)	Max φ 26	Max φ 32
Production Rate 生产速度(pcs/min)	≦400件	≦300件
Feeding Length(mm) 送料指令值(mm)	± 0.01- ± 9999.99	± 0.01- ± 9999.99
Wire Feed Speed 送料速度	0-140m/min	0-135m/min
Can Setting Value 凸轮指令值	± 0.1° - ± 359.9°	± 0.1° - ± 359.9°
Wire Feed Servo 送料伺服马达(KW)	Moter	1 1.5
Cam Servo 凸轮伺服马达(KW)		1 1.5
Pitch Servo 节距伺服马达(KW)		0.4 0.4
Power AC 电源	Three phase380V.AC.50HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	1020x870x1600	1050x880x1600
Machine Weight 机器重量 重量及材料规格 Weight & Material	480KG	550KG



CK312 316

NC Spring Making Machine

数控弹簧成形机



NC Spring Making Machine

数控弹簧成形机

型号：CK8型(JS-Z51K-0.8)

产品介绍

本机采用台湾电脑控制系统和日本进口伺服马达、送料轴、凸轮轴，可独立或同步运作，送料无限，配置左、右向刀座及扭簧装置，可生产各种压簧、扭簧、拉簧等。

技术参数 Specification

型号 Model	CK8	
Wire Diameter(mm) 线径(mm)	$\phi 0.1 - \phi 1.0$	
Outside Diameter(mm) 外径(mm)	Max $\phi 20$	
Production Rate 生产速度(pcs/min)	≤ 500	
Feeding Length(mm) 送料指令值(mm)	$\pm 0.01 - \pm 9999.99$	
Wire Feed Speed 送料速度	0-150m/min	
Can Setting Value 凸轮指令值	$\pm 0.1^\circ - 359.9^\circ$	
Wire Feed Servo 送料伺服马达(KW)	Moter	1
Cam Servo 凸轮伺服马达(KW)		1
Power AC 电源	380V $\pm 10\%$ V 50HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	980x860x1600	
Machine Weight 机器重量	350KG	

Model:CK8Type

Introduction of Product

The machine adopts CNC control system made in Taiwan and servo motor imported from Japan. The wire feed shaft and the camshaft can work independently or synchronously. Wire feed is unlimited. The machine is equipped with right and left cutter rests and wire torsioning device, can make different switch setting bolt spring, torsional spring, tension spring, etc.



CK8

NC Spring Making Machine

数控弹簧成形机



Camless CNC Spring Rotating Forming Machine

无凸轮十二轴数控万能弹簧转线成形机

型号: CNC12100(JS-Z50K-10-ZX-12)

产品介绍

CNC12100 型十二轴数控万能弹簧转线成形机采用台湾电脑数控系统和日本进口伺服马达, 独特的无凸轮和无摇臂设计, 滑座由八组伺服马达独立控制, 滑座8轴, 送料1轴, 转芯1轴, 转线1轴, 卷曲1轴。(可配卷曲装置及二次成形加工座、液压剪刀) 适合于生产各种压簧、矩形簧、铜皮碗簧、塔形簧、双扭簧、蛇形簧、汽车坐垫簧、扁簧等高难度异形弹簧, 极大的增加了弹簧加工范围, 精密准确、调机快速、稳定可靠。有自动跟踪检测功能, 如有不合格产品能自动停机。

送料系统 Feeding system

送料系统水平装在机器转线机构中, 每2个送料轮为一对, CNC12100型装有3组送料轮, 线径不同时须装适合之送料轮。电脑控制之送料系统, 每一运动单位约为0.01mm, 每命令最大为99999.99个运动单位。

The feeding system are equipped horizontally at the rotation system of the machine, two rollers as one group. CNC12100 has three group feeding rollers. Different wire size need different feeding rollers. The computer control the feeding system, the moving unit is 0.01mm, the maximum moving length is 99999.99 unit.

Model: CNC12100

Introduction of Product

CNC12100 type is 12 axis CNC spring rotating forming machine, adopt Taiwan computer system and Japan servo motor, special designed with no rocker arm and camless, the sliding seat is separately controlled by eight servo motor, plus feeding axis, quill axis, rotating axis, and servo spinner axis (servo spinner, second hook station and hydraulic scissor can be added). It is suitable for making kinds of compression spring, rectangular spring, scroll spring, tower spring, double torsion spring, Snake spring, car seat spring flat spring and such highly difficult springs. Largely increased the spring making range, it is precision, stable and easy to operate. The machine has the function of tracking and detecting automatically, it will automatically stop when there are unqualified product.

技术参数 Specification

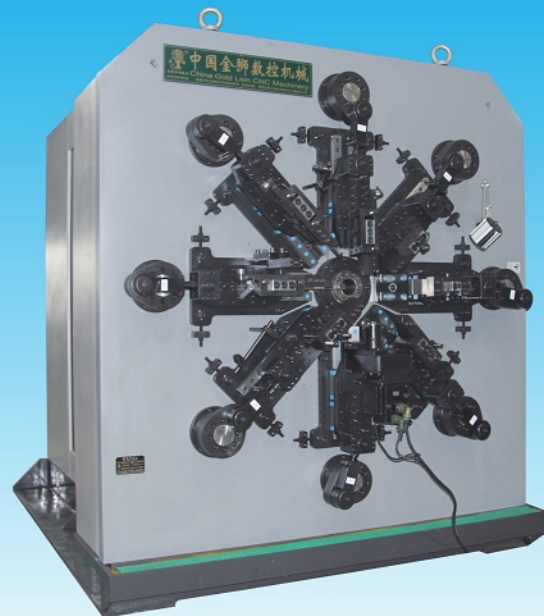
型号 Model	CNC12100	
Wire Diameter(mm) 线径(mm)	φ 4.0 - φ 10.0	
Outside Diameter(mm) 外径(mm)	Max φ 150	
Feeding Length(mm) 送料指令值(mm)	± 0.01 - ± 9999.99	
Wire Feed Speed 送料速度	0-70m/min	
Wire Feed Servo 送料伺服马达	Moter	20KW
Sliding Seat Servo 滑座伺服马达		7KW x 8
Zaxis Servo 转芯伺服马达		3KW
Wire Rotate Servo 转线伺服马达		11KW
Spinner Servo 卷曲伺服马达	3.8KW(另配)	
Power AC 电源	380V ± 10% V 50-HZ	
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	3800x3000x2450	
Machine Weight 机器重量	12000KG	



CNC12100

Camless CNC Spring Rotating Forming Machine

无凸轮十二轴数控万能弹簧转线成形机



Camless CNC Spring Rotating Forming Machine

无凸轮十二轴数控万能弹簧转线成形机

型号: CNC1260(JS-Z50K-6-ZX-12)

产品介绍

CNC1260型十二轴数控万能弹簧转线成形机采用台湾电脑数控系统和日本进口伺服马达, 独特的无凸轮和无摇臂设计, 滑座由八组伺服马达独立控制, 滑座8轴, 送料1轴, 转芯1轴, 转线1轴, 卷曲1轴。(可配卷曲装置及二次成形工位、液压剪刀) 适合于生产各种压簧、矩形簧、铜皮蜗卷簧、塔形簧、双扭簧、蛇形簧、汽车坐垫弹簧、扁簧等高难度异形弹簧, 极大的增加了弹簧加工范围, 精密准确、调机快速、稳定可靠。有自动跟踪检测功能, 如有不合格产品能自动停机。

送料系统 Feeding system

送料系统水平装在机器转线机构中, 每2个送料轮为一对, CNC1260型装有3组送料轮, 线径不同时须装适合之送料轮。电脑控制之送料系统, 每一运动单位约为0.01mm, 每命令最大为99999.99个运动单位。

The feeding system are equipped horizontally at the rotation system of the machine, two rollers as one group. CNC1260 has three group feeding rollers. Different wire size need different feeding rollers. The computer control the feeding system, the moving unit is 0.01mm, the maximum moving length is 99999.99 unit.

Model: CNC1260

Introduction of Product

CNC1260 type is 12 axis CNC spring rotating forming machine, adopt Taiwan computer system and Japan servo motor, special designed with no rocker arm and camless, the sliding seat is separately controlled by eight servo motor, plus feeding axis, quill axis, rotating axis, and servo spinner axis (servo spinner, second hook station and hydraulic scissor can be added). It is suitable for making kinds of compression spring, rectangular spring, scroll spring, tower spring, double torsion spring, Snake spring, car seat spring flat spring and such highly difficult springs. Largely increased the spring making range, it is precision, stable and easy to operate. The machine has the function of tracking and detecting automatically, it will automatically stop when there are unqualified product.

技术参数 Specification

型号 Model	CNC1242	CNC1260
Wire Diameter(mm) 线径(mm)	φ 1.4- φ 4.2	φ 2.0- φ 6.0
Outside Diameter(mm) 外径(mm)	Max φ 80	Max φ 100
Feeding Length(mm) 送料指令值(mm)	± 0.01- ± 9999.99	± 0.01- ± 9999.99
Wire Feed Speed 送料速度	0-70m/min	0-70m/min
Wire Feed Servo 送料伺服马达	5.5KW	7KW
Sliding Seat Servo 滑座伺服马达	Moter	2.7KW x 8
Zaxis Servo 转芯伺服马达		
Wire Rotate Servo 转线伺服马达		
Spinner Servo 卷曲伺服马达	3.8KW	5.5KW
Spinner Servo 卷曲伺服马达	1KW(另配)	1.5KW(另配)
Power AC 电源	380V ± 10% V 50HZ	380V ± 10% V 50HZ
Dimensions(LxWxH)(mm) 尺寸(长x宽x高)(mm)	2400x1500x2300	2550x2450x2380
Machine Weight 机器重量	4500KG	6500KG



CNC1242 CNC1260

Camless CNC Spring Rotating Forming Machine

无凸轮十二轴数控万能弹簧转线成形机



NC Wire Rotating Spring Forming Machine

数控万能弹簧转线成形机

型号: CNC642A 型(JS-Z50K-4.2-ZX-6)

产品介绍

CNC642A型数控万能弹簧转线成形机采用台湾电脑控制系统和日本进口伺服马达, 凸轮轴、送料轴、转芯轴、转线轴、辅助轴, 实现五轴联动, 八个工位连续工作, 标准五轴。(可配卷曲装置及二次成形加工座) 适合于生产各种压簧、矩形簧、铜皮簧、塔形簧、双扭簧、扁簧等高难度异形弹簧, 极大的增加了弹簧加工范围。有跟踪检测功能, 如有不合格产品能自动停机。

送料系统 Feeding system

送料系统水平装在机器转线机构中, 每2个送料轮为一对, CNC642A装有3组送料轮, 线径不同时须装适合之送料轮。电脑控制之送料系统, 每一运动单位约为0.01mm, 每命令最大为99999.99个运动单位。里面采用汽车发动机润滑方式。特点: 耐磨、噪声极小, 与控制系统同步精度高。

The feeding system are equipped horizontally at the rotation system of the machine, two rollers as one group. CNC642A has three group feeding rollers. Different wire size need different feeding rollers. The computer control the feeding system, the moving unit is 0.01mm, the maximum moving length is 99999.99 unit. Adopt the car engine lubricating method inside. The feature: abrasion-proof, minimum noise, high precision synchronism with the control system.

Model: CNC642A Type

Introduction of Product

CNC642A wire rotating spring forming machine adopts CNC control system made in Taiwan and servo motor imported from Japan. The cam axis, feeding axis, quill rotary axis, wire rotation axis and auxiliary axis, five axis are interconnected when running. Eight-position working continuously, standard five axis. (servo spinner and second hook station can be added). It is suitable for making various compression spring, square spring, scoll spring, tower spring, double torsion spring, flat spring and such difficult abnormality springs. Greatly enlarge the spring processing range. The machine has tracking detection, if there is a subquality product, the machine will automatically stop.

技术参数 Specification

型号 Model	CNC642A
Wire Diameter(mm) 线径 (mm)	Φ1.4-Φ4.2
Outside Diameter(mm) 外径 (mm)	Max Φ70
Feeding Length(mm) 送料行程值(mm)	±0.01-±9999.99
Wire Feed Speed 送料速度	0-70mm/min
Can Setting Value 凸轮指令值	±0.1° -359.9°
Wire Feed Servo 送料伺服马达(KW)	5.5KW
Cam Servo 凸轮伺服马达	7KW
Zaxis Servo 转芯伺服马达	1.5KW
Wire Rotate Servo 转线伺服马达	3.8KW
Spinner Servo 卷曲伺服马达	1KW (选配)
Power AC 电源	380V ±10% V 50Hz
Dimensions(LxWxH) (mm) 尺寸 (长x宽x高) (mm)	2400x1300x2250
Machine Weight 机器重量	3000Kg



CNC642A

NC Wire Rotating Spring Forming Machine

数控万能弹簧转线成形机



NC Wire Rotating Spring Forming Machine

数控万能弹簧转线成形机

型号: CNC626A 型(JS-Z50K-2.6-ZX-6)

产品介绍

CNC626A型数控万能弹簧转线成形机采用台湾电脑控制系统和日本进口伺服马达, 凸轮轴、送料轴、转芯轴、转线轴、辅助轴, 实现五轴联动, 八个工位连续工作, 标准五轴。(可配卷曲装置及二次成形加工座) 适合于生产各种压簧、矩形簧、铜皮簧、塔形簧、双扭簧、扁簧等高难度异形弹簧, 极大的增加了弹簧加工范围。有跟踪检测功能, 如有不合格产品能自动停机。

送料系统 Feeding system

送料系统水平装在机器转线机构中, 每2个送料轮为一对, CNC626A装有2组送料轮, 线径不同时须装适合之送料轮。电脑控制之送料系统, 每一运动单位约为0.01 mm, 每命令最大为9999.99个运动单位。里面采用汽车发动机润滑方式。特点: 耐磨、噪声极小, 与控制系统同步精度高。

The feeding system are equipped horizontally at the rotation system of the machine, two rollers as one group. CNC626A has two group feeding rollers. Different wire size need different feeding rollers. The computer control the feeding system, the moving unit is 0.01mm, the maximum moving length is 9999.99 unit. Adopt the car engine lubricating method inside. The feature: abrasion-proof, minimum noise, high precision synchronism with the control system.

Model: CNC626A Type

Introduction of Product

CNC626A wire rotating spring forming machine adopts CNC control system made in Taiwan and servo motor imported from Japan. The cam axis, feeding axis, quill rotary axis, wire rotation axis and auxiliary axis, five axis are interconnected when running. Eight-position working continuously, standard five axis. (servo spinner and second hook station can be added). It is suitable for making various compression spring, square spring, scoll spring, tower spring, double torsion spring, flat spring and such difficult anomaly springs. Greatly enlarge the spring processing range. The machine has tracking detection, if there is a subquality product, the machine will automatically stop.

技术参数 Specification

型号 Model	CNC626A
Wire Diameter(mm) 线径 (mm)	Φ0.2-Φ2.6
Outside Diameter(mm) 外径 (mm)	Max Φ50
Feeding Length(mm) 送料指令值(mm)	±0.01-±9999.99
Wire Feed Speed 送料速度	0-130mm/min
Can Setting Value 凸轮指令值	±0.1° -359.9°
Wire Feed Servo 送料伺服马达(KW)	2KW
Cam Servo 凸轮伺服马达	2.7KW
Zaxis Servo 转芯伺服马达	1KW
Wire Rotate Servo 转线伺服马达	2KW
Spinner Servo 卷曲伺服马达	0.4KW (选配)
Power AC 电压	380V ±10% V 50Hz
Dimensions(LxWxH) (mm) 尺寸(长x宽x高) (mm)	1500x1400x1650
Machine Weight 机器重量	1300Kg



CNC626A

NC Wire Rotating Spring Forming Machine

数控万能弹簧转线成形机



NC Spring Making Machine

数控万能弹簧成形机

型号: CNC642型(JS-Z50K-4.2)

产品介绍

本机采用台湾电脑控制系统和日本进口伺服马达, 凸轮轴、送料轴、转芯轴、辅助轴, 四轴可联动, 八个工位连续工作, 标准四轴。(可配卷曲装置及二次成形加工座) 适合于生产各种压簧、矩形簧、钢皮簧、塔形簧、双扭簧、扁簧等异形弹簧。有跟踪检测功能, 如有不合格产品能自动停机。

送料系统 Feeding system

送料系统水平装在机器后面, 每2个送料轮为一对, CNC642装3组送料轮, 线径不同时须装适合之送料轮。电脑控制之送料系统, 每一运动单位约为0.01mm, 每命令最大为99999.99个运动单位。里面采用汽车发动机润滑方式。特点: 耐磨、噪音极小, 与控制系统同步精度高。

The feeding system are equipped horizontally at the back of the machine, two rollers as one group. CNC642 has three group feeding rollers. Different wire size need different feeding rollers. The computer control the feeding system, the moving unit is 0.01mm, the maximum moving length is 99999.99 unit. Adopt the car engine lubricating method inside. The feature: abrasion-proof, minimum noise, high precision synchronism with the control system.

专利技术送料箱 Patent Feed Box



Model: CNC642Type

Introduction of Product

CNC642 spring forming machine adopts CNC control system made in Taiwan and servo motor imported from Japan. The cam axis, feeding axis, quill rotary axis, and auxiliary axis, four axis are interconnected when running. Eight-position working continuously, standard four axis. (servo spinner and second hook station can be added). It is suitable for making various compression spring, square spring, scoll spring, tower spring, double torsion spring, flat spring and such abnormity springs. The machine has tracking detection, if there is subquality product, the machine will automatically stop.

技术参数 Specification

型号 Model	CNC642
Wire Diameter(mm) 线径 (mm)	Φ1.4-Φ4.2
Outside Diameter(mm) 外径 (mm)	Max Φ70
Feeding Length(mm) 送料指令值(mm)	±0.01-±9999.99
Wire Feed Speed 送料速度	0-70mm/min
Can Setting Value 凸轮指令值	±0.1° -359.9°
Wire Feed Servo 送料伺服马达(KW)	5.5KW
Cam Servo 凸轮伺服马达	7KW
Zaxis Servo 转芯伺服马达	1.5KW
Power AC 电源	380V ±10% V 50Hz
Dimensions(LxWxH) (mm) 尺寸 (长X宽X高) (mm)	1680x1200x2250
Machine Weight 机器重量	1800Kg



CNC642

NC Spring Making Machine

数控万能弹簧成形机



NC Spring Making Machine

数控弹簧成形机

型号：CNC626型(JS-Z50K-2.6)

产品介绍

本机采用台湾电脑控制系统和日本进口伺服马达，凸轮轴、送料轴、转芯轴、辅助轴，四轴可联动，八个工位连续工作，标准四轴。（可配卷曲装置及二次成形加工座）适合于生产各种压簧、矩形簧、钢皮簧、塔形簧、双扭簧、扁簧等异形弹簧。有跟踪检测功能，如有不合格产品能自动停机。



技术参数 Specification

型号 Model	CNC626	
Wire Diameter(mm) 线径 (mm)	Φ0.2-Φ2.6	
Outside Diameter(mm) 外径 (mm)	MaxΦ50	
Feeding Length(mm) 送料指令值(mm)	±0.01~±9999.99	
Wire Feed Speed 送料速度	0~130m/min	
Cam Setting Value 凸轮指令值	±0.1°~359.9°	
Wire Feed Servo 送料伺服马达(KW)	Moter	2.7KW
Cam Servo 凸轮伺服马达		2.7KW
Zaxis Servo 转芯伺服马达		1KW
Power AC 电压		380V±10%V 50Hz
Dimensions(LxWxH) (mm) 尺寸 (长X宽X高) (mm)	1360X750X1800	
Machine Weight 机器重量	800Kg	

Model:CNC626Type

Introduction of Product

CNC626 spring forming machine adopts CNC control system made in Taiwan and servo motor imported from Japan. The cam axis, feeding axis, quill rotary axis, and auxiliary axis, four axis are interconnected when running. Eight-position working continuously, standard four axis. (servo spinner and second hook station can be added). It is suitable for making various compression spring, square spring, scoll spring, tower spring, double torsion spring, flat spring and such abnormality springs. The machine has tracking detection, if there is subquality product, the machine will automatically stop.



CNC626

NC Spring Making Machine

数控弹簧成形机



MK-12/MK-9 Double Tray (Single Tray) CNC Spring Grinding Machine

MK-12/MK-9 新型双料盘(或单料盘)数控磨簧机

型号: MK-12/MK-9

产品介绍

MK-12/MK-9 新型双料盘(或单料盘)数控磨簧机是采用全套三菱控制系统, 通过立式双端面同时磨削, 磨头自动进给, 可根据弹簧压力大小, 自动调整进给速度, 具有适合弹簧特性的精磨性能和砂轮补偿功能, 可采用手动和自动进给两种方式磨削, 工作台可开启, 换砂轮及维修均十分方便, 适用于磨削高精度弹簧, 在以往的9毫米基础上, 改进为双料盘自动换盘, 适合于数量多装料时间长的小型弹簧。

Model: MK-12/MK-9

Introduction of Product

MK-12/MK-9 double tray (Single Tray) CNC spring grinding machine is equipped with Mitsubishi CNC system to control grinding process on both vertical ends of springs simultaneously. Feeding speed of grinding heads is adjustable on the basis of pressure from spring. Fine grinding process is available, as well as compensation function on grinding wheels. The grinding process is operated manually and automatically. For replacing grinding wheel and regular maintenance, the table can be opened conveniently. This machine is very suitable for high-precision grinding proposal, and modified on the basis of 9mm by adding extra feeding plate. The application can be found in small spring production by time consuming feeding.

技术参数 Specification

型 号 Model	MK-12	MK-9
Steel Wire Diameter Of Grinding Spring 可磨弹簧钢丝直径(mm)	Φ3-Φ12	Φ1-Φ9
Diameter Of Grinding Spring 可磨弹簧直径(mm)	≤130	≤100
Hieght Of Grinding Spring 可磨弹簧高度(mm)	30-360	10-250
Grinding Wheel Size(outside×height) 砂轮尺寸(外×高)	Φ660x(65-100)	Φ450x60
N/Min Grinding Head Speed 磨头转速	970	1430
Machine Size(length×width×height) 主机外形尺寸(长×宽×高)	2188x1899x2605	1550x1980x2550
Net Weight Of The Machine 主机净重(kg)	4500	2800
Power 电源	Three phase 380V.AC.50Hz	
Motor Power(motor 5pcs) 马达总功率KW	30	15.28



MK-12 MK-9

Double Tray (Single Tray) CNC Spring Grinding Machine

新型双料盘(或单料盘)数控磨簧机



MK-6/MK-3 Single Tray (Double Tray) CNC Spring Grinding Machine

MK-6/MK-3 新型单料盘(或双料盘)数控磨簧机

型号: MK-6/MK-3

产品介绍

MK-6/MK-3 新型单料盘(或双料盘)数控磨簧机是采用全套三菱控制系统,通过立式双端面同时磨削,磨头自动进给,可根据弹簧压力大小,自动调整进给速度,具有适合弹簧特性的精密性能和砂轮补偿功能,可采用手动和自动进给两种方式磨削,工作台可开启,换砂轮及维修均十分方便,适用于磨削高精度弹簧,在以往的9毫米基础上,改进为双料盘自动换盘,适合于数量多装料时间长的小型弹簧。

Model: MK-6/MK-3

Introduction of Product

MK-6/MK-3 Single tray (Double Tray) CNC spring grinding machine is equipped with Mitsubishi CNC system to control grinding process on both vertical ends of springs simultaneously. Feeding speed of grinding heads is adjustable on the basis of pressure from spring. Fine grinding process is available, as well as compensation function on grinding wheels. The grinding process is operated manually and automatically. For replacing grinding wheel and regular maintenance, the table can be opened conveniently. This machine is very suitable for high-precision grinding proposal, and modified on the basis of 9mm by adding extra feeding plate. The application can be found in small spring production by time consuming feeding.

技术参数 Specification

型 号 Model	MK-6	MK-3
Steel Wire Diameter Of Grinding Spring 可磨弹簧钢丝直径(mm)	Φ0.8-Φ6	Φ0.5-Φ2.5
Diameter Of Grinding Spring 可磨弹簧直径(mm)	≤80	Φ5-Φ30
Hieght Of Grinding Spring 可磨弹簧高度(mm)	8-180	8-90
Grinding Wheel Size(outside×height) 砂轮尺寸(外×高)	Φ400x50	Φ250x50
N/Min Grinding Head Speed 磨头转速	1430	1430
Machine Size(length×width×height) 主机外形尺寸(长×宽×高)	1350x1780x2200	650x700x1800
Net Weight Of The Machine 主机净重(kg)	1850	900
Power 电源	Three phase 380V.AC.50Hz	
Motor Power(motor 5pcs) 马达总功率KW	11.57	4.75



MK-6 MK-3

Single Tray (Double Tray) CNC Spring Grinding Machine

新型单料盘(或双料盘)数控磨簧机



“Gold Lion” Series Spring Machine

金狮系列弹簧机械

型号: 5毫米磨簧机

Model: 5mm Spring Grinding Machine

技术参数 Specification

型 号 Model	5毫米磨簧机	3毫米磨簧机
可磨弹簧钢丝直径 (mm) Steel Wire Dia. (mm)	Φ0.8-Φ5	Φ0.5-Φ3.0
可磨弹簧直径 (mm) Outside Dia. Of Coil (mm)	Φ6-Φ60	Φ4.5-Φ40
可磨弹簧高度 (mm) Spring Height (mm)	10-150	5-90
磨头移动量 (r/min) Grinding Head Movement (r/min)	上磨头 (r/min) Top Grinding Head (r/min)	160
	下磨头 (r/min) Lower Grinding Head (r/min)	50
砂轮尺寸 (外径X内径X厚度) (mm) Dimensions	Φ400XΦ203X55	Φ300XΦ127X40
	送料速度 Feeding speed	1-2r/min
电机功率/转速 Power of Motors	上磨头 Top Grinding Head	2.2KW 1430r/min
	下磨头 Lower Grinding Head	2.2KW 1430r/min
	送料盘 Feed Table	0.37KW 1400r/min
	吸尘器 Cleaner	1.5KW 2800r/min
机床重量 (公斤) Net Weight of Machine (kg)	1000	600
电源 (V) Voltage of Power Supply (V)	AC 380V/50HZ	AC 380V/50HZ
尺寸 (长X宽X高) (mm) Dimensions (LxWxH) (mm)	主机 Main Machine: 1350X800X2080 吸尘器 Dust Collector: 1100X600X1630	主机 Main Machine: 1100X660X1750 吸尘器 Dust Collector: 1100X600X1630



5毫米磨簧机

“Gold Lion” Series Spring Machine
金狮系列弹簧机械



Wire Feeding Device CNC Spring Making Machine

电脑弹簧成形机全自动送线架

型号：CNC80/CNC200/CNC450/CNC5000

产品介绍

全自动送线架为电脑弹簧机配套使用，在工作过程中会自动调节送线速度，使弹簧机和送线架的送线速度保持同步，当线材缠绕时，会立即报警并自动停机。该产品控制性能稳定、耐用。

Model:CNC80/CNC200/CNC450/CNC5000

Introduction of Product

Fully automatic wire feeding device is applied with the CNC spring making machine. The wire feed rate can be automatically adjusted during working to synchronize the speed of spring making machine and the wire feeding device. The machine will sound the alarm and stop automatically in case of faults like kinking of wire. It is stable in performance and durable in use.

技术参数 Specification

型 号 Model	CNC80	CNC200	CNC450	CNC5000
可载重量(公斤) Loading weight(kg)	80	200	450	5000
最大送线速度(m/min) Max.wire feed speed	160	160	200	198
料盘直径(mm) Diameter of the feeding tray	650	800	Φ1000-Φ1300	3000
电机功率(kw) Motor power	0.37	0.37	0.75	5.5
重量(公斤) Weight(kg)	80	100	180-200	5000
电源 Power	Three phase 220V.AC.50HZ	Three phase 220V.AC.50HZ	Three phase 220V.AC.50HZ	Three phase 380V.AC.50HZ
尺寸(长X宽X高)(mm) Dimensions(LxWxH)(mm)	1000X1000X1300	1150X1150X1400	1450X1450X1600	3000X3000X1250



CNC80 200 CNC450 5000

Wire Feeding Device CNC Spring Making Machine

电脑弹簧成形机全自动送线架



“Gold lion” Series Transmission type Energy-saving Hot Wind Cycle Tempering Furnace

金狮系列传送式节能热风回火炉

型号: 540型回火炉

Model: 540 Type Tempering Furnace

额定最高炉温: 500 °C

Rated Max. Furnace Temperature: 500 °C

炉温控制精度: ± 2 °C

Furnace Temperature Control Accuracy: ± 2 °C

从20 °C升温到500 °C所需时间小于20分钟

The time for that the temperature rises from 20 °C to 500 °C is less than 20 minutes

额定电压: 380V

Rated Voltage: 380V

技术参数 Specification

型号 Model	回火时间 范围(分) Range of Tem- pering Time (Min.)	功率 (KW) Power (v)	温控仪 (个) Temperature Controller (unit)	空气搅拌 器 (个) Air agitator (unit)	炉膛尺寸(mm) Hearth Size(mm)			炉子重量(kg) Weight of Furnace (kg)	处理线径 (mm) Processable Wire Dia (mm)	外型尺寸(mm) Overall Size(mm)		
					长(L)	宽(W)	高(H)			长(L)	宽(W)	高(H)
CJ210	4-40	8	1	1	1000	200	90	250	0.1-2.6	2000	800	1200
CJ315	4-40	16	1	1	1500	300	90	750	0.1-4	2500	900	1200
CJ315A	5-80	20	1	1	1800	300	90	900	0.1-4	3000	900	1200
CJ420	5-50	26	2	2	2000	400	90	1000	0.5-6	3300	1000	1250
CJ440	5-50	50	3	3	4000	420	65	1800	0.5-6	5300	1020	1250
CJ520	5-60	30	2	2	2000	500	90	1300	0.5-7	4100	1000	1870
CJ530	6-60	40	3	3	3200	500	120	1800	0.5-8	5100	1000	1870
CJ540	6-60	48	4	4	4200	500	120	2200	0.5-12	6100	1000	1870
CJ590	13-130	135	5	5	9000	520	200	5000	1-16	11100	1020	1920
CJ630	8-80	48	3	3	3000	600	120	2200	1-10	5100	1100	1920
CJ630A	6-80	72	3	3	3000	600	120	2500	1-12	5100	1100	1920
CJ640	12-120	60	4	4	4000	600	130	2600	1-12	6100	1100	1920
CJ650	12-120	75	4	4	5000	600	130	3000	1-12	6920	1100	2160
CJ740	6-60	65	4	4	4000	700	210	3000	1-12	6100	1200	2160
CJ840	6-60	80	4	4	4000	800	160	4000	1-12	6300	1300	2160
CJ840A	12-120	96	4	4	4000	800	310	4500	1-30	6300	1300	2270

注: (1) 回火时间范围, 即工件在炉内停留时间, 另可根据客户要求设计;

(2) 空气搅拌器, 即风箱;

(3) 大型号回火炉可设计成各大、小支承重带滚动为电动传动;

(4) 炉膛的高度, 可根据客户要求设计;

(5) 炉壳可根据客户要求, 设计不锈钢或碳钢;

(6) 炉温500 °C内可任意调节, 恒温后耗电量约30%左右, 达到节能环保要求;

(7) 配套智能型温控仪, 耐高温, 高密度环保纤维炉衬保温, 能保证弹簧质量的一致性。

Note: (1) The tempering time, namely the time the workpieces stay in the hearth, can be designed according to the demand of client.

(2) Air agitator is fan.

(3) For large-size tempering furnace, electric motor drive can be designed for the rolling of large or small support mesh.

(4) The height of hearth can be customized.

(5) The outer case can be customized. Standardized decorative surface can be designed.

(6) The furnace temperature is 500 °C within which it is free to regulate, and the power consumption is about 30 percent with the constant temperature to achieve energy saving and environmental protection requirements.

(7) With the intelligent temperature controller which is able to endure high temperature and the temperature-insulating high-density fiber furnace lining bricks, the consistency of the spring quality can be ensured.



420 540

“Gold lion” Series Transmission type Energy-saving Hot Wind Cycle Tempering Furnace

金狮系列传送式节能热风回火炉

“Gold lion” Series NC Energy-saving Hot Wind Cycle Tempering Furnace

金狮系列数控节能热风回火炉

特点 Feature:

温控系统, 网带速度采用数控化。

Temperature control system and belt speed adopt numerical control.

