

CNC Spring Making Machine

六轴数控弹簧成形机

型号: CK6120(JS-Z51K-12-6)

机器特点

6轴数控弹簧机有6套伺服电机,完全抛弃了传统5轴操作繁琐的凸轮变径机构,由数控系统直接控制弹簧外径和变径,新工人易学易懂。比同类设备增加了送线轮组数,卷制规定钢丝弹簧时五组送线轮能保证钢丝原外形精度不被压伤,足够的送线牵引力确保送线精度;辅助芯刀机构采用液压锁紧功能,操作方便,震动小,切口精度高;换钢丝后钢丝弯头机构加快弹簧第一圈弯圆;直切、对切、摆切、扭切功能齐全;送线机构有高速、低速两档变速;控制系统匹配远程互联网络接口,软件具有图式化自动编程模板,输入所需数值后,系统自动生成弹簧程序,略加修改就可完成所需卷制的弹簧。可配备影像检测仪。

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)	4.4	
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	
Dimensions 机器尺寸	长L (mm)	3200
	宽W (mm)	2250
	高H (mm)	2600
Machine Weight 机器重量(kg)	15000	

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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 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 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 imaging measuring instrument.

● 本样本的外观、参数等如有更改,以实物和协议为准。



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发明专利技术

Invention patent technology

