

AM20108 单轴数控打孔机

设备特点

该设备为全数控单轴数控钻孔设备，主要用于精密医用塑料导管打孔，采用人工放料，由钻孔进给轴（Z轴）和钻孔主轴（R轴）组成加工轴，配合导管旋转轴（U轴）和导管拉进轴（Y轴），实行导管任意角度和尺寸钻孔，旋转主轴采用空心步进电机，总计四个动力轴构成，刀夹采用进口重型自锁式夹头，配备复位顶出机构，复位时废料从刀中顶出，打孔角度和两把刀之间的打孔间距任意可调整。



设备参数

工作电源：AC 220V 50Hz

工作气压：0.4-0.8 Mpa

设备总功率：0.5 KW

环境温度：-20°C + 50°C

打孔速度：500-1200 PCS/H(根据不同管子材质

要求来评估)

设备重量：30 KG

设备尺寸：480×400×470 mm(长×宽×高)

技术参数

R轴向

R向打孔主轴转速：0-3000 RPM(数字设定)

R向打孔主轴扭矩：0.4 Nm

R向打孔主轴跳动：±0.02 mm

Y轴向

Y轴行程：最大200 mm (行程数字设定)

Y轴行程分辨率：±0.02 mm

Y轴最大速度：500 mm/S

Z轴向

Z轴行程：最大50 mm (行程数字设定)

Z轴行程分辨率：10 μm

Z轴推力：80 Nm

U轴向

R轴行程：0-360度 (数字设定)

R轴行程分辨率：±0.5度

R轴转速：0-1000 RPM (数字设定)

R轴扭矩：0.16 NM

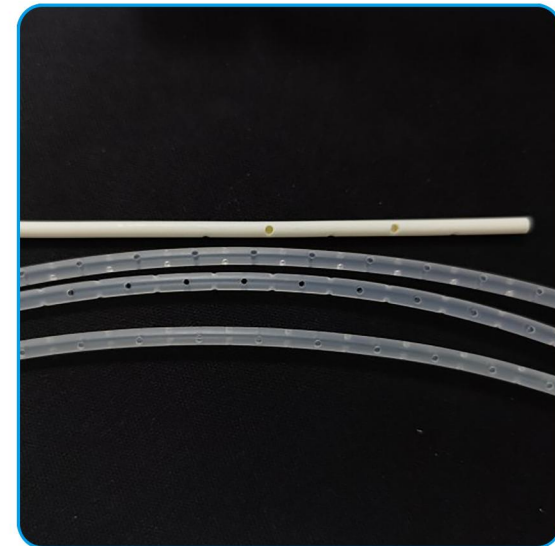
适用范围

孔径加工范围：0.3-5 mm (可定制)

管径加工范围：3F-32F (1-11mm, 可定制)

适用材料：PVC PU HDPE LDPE PP PA PEBAX FEP PS

TPU PTEE等



AM20108 Single-axis CNC Punching Machine For Plastic Catheter

Equipment characteristics

The machine is a full CNC single-axis CNC drilling machine, mainly used for precision medical plastic catheter drilling, using manual discharge, by the drilling feed axis (Z axis) and drilling spindle (R axis) to form the processing axis, with the catheter rotation axis (U axis) and catheter pull-in axis (Y axis), to implement the catheter drilling at any angle and size, the rotation spindle using hollow stepping motor, a total of four power axis composition, knife clamps using imported heavy Self-locking chuck, equipped with reset ejection structure, the waste material is ejected from the knife when resetting, the drilling angle and the drilling distance between the two knives can be adjusted freely.

Equipment parameters

Working power supply: AC 220V 50Hz

Working air pressure: 0.4-0.8 Mpa

Total power of the equipment: 0.5 KW

Ambient temperature: -20°C + 50°C

Punching speed: 500-1200 PCS/H (to be evaluated according to different tube material requirements)

Machine weight: 30 KG

Equipment size: 480 x 400 x 470 mm (L x W x H)

Technical Parameter

R-axis

R-directional punching spindle speed: 0-3000 RPM (digital setting)

R-axis punching spindle torque: 0.4 Nm

R-directional punching spindle runout: ±0.02 mm

Y-axis

Y-axis travel: max. 200 mm (digital setting of travel)

Y-axis stroke resolution: ±0.02 mm

Y-axis maximum speed: 500 mm/S

Z-axis

Z-axis travel: max. 50 mm (digital setting of travel)

Z-axis stroke resolution: 10 μm

Z-axis thrust: 80 Nm

U-axis

R-axis travel: 0-360 degrees (digital setting)

R-axis travel resolution: ±0.5 degrees

R-axis speed: 0-1000 RPM (digital setting)

R-axis torque: 0.16 NM

Range of application

Bore diameter machining range: 0.3-5 mm (customisable)

Tube diameter processing range: 3F-32F (1-11mm, customisable)

Applicable materials: PVC PU HDPE LDPE PP PA PEBAX FEP PS TPU PTEE etc.

