

AM20403 精密型尖端成型机 (电机丝杆推进)

设备介绍

该设备主要是用于医用塑料导管端部处理，包括导管的搭接，对接，尖端成型，半圆头成型，子弹头成型及变径等工艺。本机采用人工上料，由夹取组件，模具固定组件，线圈加热组件等三个工位组成。机器采用温度闭环控制，日本RKC温控器实时温控显示，恒温成型，温度波动范围 $\pm 0.5^{\circ}\text{C}$ 。机器通过高频电磁感应加热模具，用气缸夹紧管材并使用电机丝杆推进，可以定制实现分段式推进，分段保压，分段松退，分段加热，两段式挤压行程，各段推进温度可按要求设定。高精度丝杆，精度可达0.01mm推进行程。高精度的推进加热技术能使产品成型效果更加完美。



设备参数

工作电压: AC220V / 10A / 50HZ

功率: 0.3 KW

气压: 0.5~0.8 Mpa

环境温度: $-20^{\circ}\text{C} + 50^{\circ}\text{C}$

操作人员: 1 人

成型速度: 300-600 PCS/小时

重量: 20 KG

设备尺寸: 500×520×370 mm(长×宽×高)

技术参数

夹具夹紧: 2-20 N

夹具推进: 2-15 N

尖端长度: 0.5-25 mm

管径加工范围: 1.5-8.0 mm

加热功率: $\leq 120\text{ W}$

温度范围: $50-500^{\circ}\text{C}$

线圈规格: 直径10×15 mm (非接触)

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

常见应用产品: 中心静脉导管、透析导管、导管鞘、扩张管、PICC导管、引流管、气管插管、导尿管、留置针等



AM20403 Hot-melt Tip Forming Machine (With motor and screw drive)

Equipment introduction

The equipment is mainly used for the end treatment of medical plastic catheters, including the lap joint, butt joint, tip forming, semicircular head forming, bullet forming and diameter reduction of the catheter. This machine adopts manual feeding and consists of three stations, such as clamping component, mold fixing component, and coil heating component. The machine adopts temperature feedback control, real-time temperature control display by Japanese RKC thermostat, constant temperature forming, and temperature fluctuation range of $\pm 0.5^{\circ}\text{C}$. The machine heats the mold through high-frequency electromagnetic induction, clamps the tube with a cylinder and advances it with a motor and screw, and can be customized to achieve segmented advance, segmented pressure holding, segmented loosening, segmented heating, and two-stage extrusion stroke. The advancing temperature of each section can be set as required. High-precision screw and the precision can reach 0.01mm. The high-precision advancing heating technology can make the product forming effect more perfect.

Equipment Parameters

Power supply: AC 220V / 10A / 50HZ

Power: 0.3 KW

Air pressure: 0.5-0.8 Mpa

Ambient temperature: $-20^{\circ}\text{C} + 50^{\circ}\text{C}$

Operator: 1 person

Forming speed: 300-600 PCS/H

Weight: 20 KG

Size: 500×520×370 mm(L×W×H)

Technical parameters

Fixture clamping: 2-20 NF

Fixture drive: 2-15 N

Medical Dia. range: 1.5-8.0 mm

Tip length: 0.5-25 mm

Heating power: $\leq 120\text{ W}$

Temperature range: $50-500^{\circ}\text{C}$

Coil size: Dia 10 x 15mm(Non-contact)

Applicable material: PVC、PU、HDPE、LDPE、PP、PA、PEBAX、FEP etc.

Applicable products: CVC, dialysis catheter, catheter sheath, dilation catheter, PICC catheter, drainage catheter, tracheal intubation, urinary catheter indwelling needle, etc.

