

ECK2112



加工过程截图



ECK2112

数控活塞异形外圆车床
CNC For Piston Contour

功能简介 | Brief Introduction of Functions

- 配置单刀直线伺服刀架（一派数控专利产品），该机床可加工中凸变椭圆或其它复杂形状的活塞外圆及活塞仿形用立体靠模；
- 活塞曲面数据由“一派活塞曲面数据处理软件”（一派数控软件著作权产品）生成，该软件能编辑活塞所要求的各种异形外圆，包括标准椭圆、椭圆叠加偏心圆、偏心椭圆、旋转椭圆或离散数据拟合等。
- Equipped with single cutter spacing linear servo cutter saddle (patent product of EPOCH NC), the lathe can process the convex irregular ellipse or other special shaped piston excircle, and process solid-cam for piston;
- The piston curved surface data are produced by "Epoch Piston Curved Surface Data Processing Software" (copyright product of EPOCH NC), which can edit all kinds of special shaped excircles required by the piston including standard ellipse, ellipse overlapped eccentric circle, eccentric ellipse, and rotary ellipse, or the discrete data fitting and so on.

产品
Products

主要技术指标 | Main Technical Indexes

活塞直径 Piston Diameter (mm)	Φ30~Φ120
活塞长度 Piston Length (mm)	40~160
	40~120 (活动顶尖 rotating centre)
活塞最大椭圆量+形线量 Maximum ellipticity of piston (mm)	3.0
主轴精度 Spindle Precision Accuracy (mm)	0.002
主轴速度 Spindle Speed (rpm)	50~2500
直线伺服电机重复定位精度	
Repeated positioning accuracy of linear motor (mm)	0.001
工序能力指数CPK Process Capability	
(直径公差 Diameter tolerance $\Phi D \pm 0.01\text{mm}$)	≥ 1.33
粗糙度 Surface Roughness (μm)	Ra0.8
仿形轮廓度 Profile Accuracy (标准椭圆 Standard Ellipse) (mm)	± 0.005
主机外形尺寸 Machine Dimensions (长×宽×高 L × W × H) (mm)	2250×1170×1870