



ECK2316数控活塞异形外圆车床

ECK2316 CNC For Piston Contour

功能简介

Brief Introduction of Functions

- ① 配置三刀直线伺服刀架（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，三个刀具采用不同的材质或形状，分别车削活塞裙部、头部（镶镍铁圈）和油槽；
- ② 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 three cutter spacings linear servo cutter saddle (patent product of EPOCH NC), the lathe can process the convex irregular ellipse or other special shaped piston excircle. As the saddle has three cutters which are made of different materials or shapes, it can turn the piston skirt, piston head (with Ni-Fe ring), and oil groove;

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 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.

主要技术指标

MAIN TECHNICAL INDEXES

活塞直径/Piston Diameter	Φ60~Φ160mm
活塞长度/Piston Length	80~200mm
活塞最大椭圆量+形线量/Maximum Stroke of Linear Motor	3.0mm
主轴精度/Spindle Precision Accuracy	0.003mm
主轴速度/Spindle Speed	50~2000rpm
直线伺服电机重复定位精度 Repeated Positioning Accuracy of Linear Motor	0.001mm
工序能力指数（直径公差ΦD±0.008mm） Process Capability (Diameter Tolerance ΦD±0.008mm)	CpK≥1.33
粗糙度/Surface Roughness	Ra0.8μm
仿形轮廓度(标准椭圆) Profile Accuracy (Standard Ellipse)	±0.005mm
主机外形尺寸（长×宽×高）/Machine Dimensions (L×W×H)	2950×1450×1750mm

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