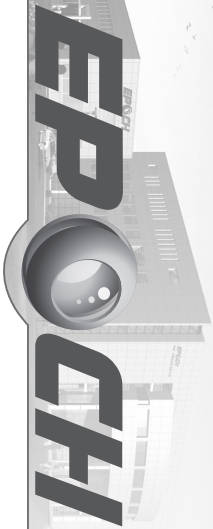




## ETK2706数控活塞异形销孔镗床

ETK2706 NC Boring Machine For Piston  
Non-Cylinder Pin Hole



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### 功能简介

### Brief Introduction of Functions

- ① 本机床采用两个大刚度动静压电主轴同轴安装，分别完成钢活塞销孔的粗加工和精加工；
- ② 配置精密微位移伺服镗削装置（一派数控专利产品），完成异形销孔型面（锥孔、曲线孔）的加工；
- ③ 镗杆的微位移运动在主轴高速运转的情况下完成，具有自动动平衡功能，能保持主轴高精度；
- ④ 销孔大小可通过控制程序界面进行微调。

Adopt two high-precision dynamic and static pressure spindles, which have big rigidity and coaxial fitting, complete the rough machining and the finish machining of the steel piston pinhole respectively;

The boring machine is equipped with precision micro-displacement servo boring device (patent product of EPOCH NC) to complete the processing of piston non-cylinder pin hole (conical hole, curve hole);

The micro-displacement motion of the servo boring device is completed under the circumstances of high speed revolution of spindle, and the servo boring device bears the function of automatic dynamic balancing, which can maintain the high precision accuracy of spindle;

The size of pin hole can be micro-adjusted through the control program interface.

### 主要技术指标 MAIN TECHNICAL INDEXES

活塞销孔直径/Piston Pin Hole Diameter	Φ40~Φ60mm
活塞直径/Piston Diameter	Φ80~Φ160mm
镗刀最大单边偏移量 Maximum Offset of Boring Cutter	0.06mm
主轴精度/Spindle Precision Accuracy	0.002mm
主轴速度/Spindle Speed	50~1500rpm
工序能力指数（直径公差 $\Phi D \pm 0.003\text{mm}$ ） Process Capability (Diameter Tolerance $\pm 0.003\text{mm}$ )	$C_p K \geq 1.33$
粗糙度/Surface Roughness	Ra0.4 $\mu\text{m}$
单边销孔直线段圆柱度 Cylindricity of the Straight Segment of the Single Piston Pin Hole	0.0025mm
直销孔圆度/Straight Pin Hole Roundness	0.001mm
主机外形尺寸（长×宽×高）/Machine Dimensions (L×W×H)	2935×2160×1785mm