

EP Series CNC Servo-Drive Turret Punch

HIGH-SPEED, QUIET, HI-ACCURACY, ENERGY-SAVING

主要技术特点:

主机采用闭式宽机身结构, 壁炉回火去应力处理, 稳定性好; 流线型设计, 动感美观; 侧面定位、镶套结构厚转塔, 定位精确、导向好、精度高; 间隙可调式蜗轮蜗杆机构旋转工位, 精度高; 直驱式伺服主传动结构, 性能稳定, 高速静音, 节能环保, 节电60%; 德国SIEMENS或日本FANUC Oip数控系统, 功能强、操作简便; 高速静音大导程丝杠、直线导轨, 国际化配套的气动和电气元件, 高性能全自动浮动夹钳, 细毛刷结构工程塑料板工作台或钢球毛刷结构不锈钢工作台。

Features:

The machine is of wide closure-type frame, which is solid, receiving tempering treatment. It has following features: streamline body with side pin-positioning, sleeve structure and thick turret, accurate positioning, good guiding, high accurate adjustable worm and gear mechanism, Direct-driven servo main transmission mechanism, reliable performance, hi-speed and no noise, energy-saving by 60%. powerful and convenient German SIEMENS / Japanese FANUC Oip CNC econtroller, long ballscrew and guideway with high speed, universal pneumatic and electric parts, auto floating clamp and stainless worktable with full fine brush, Engineering plastic worktable or steel ball & brush on it.



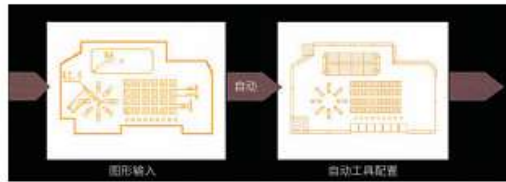
FANUC 数控系统
FANUC CNC Controlling system



厚转塔结构
Thick turret structure
采用球墨铸铁、长镶套式结构, 延长使用寿命
It is of spheroidal graphite cast iron and long-bushing structure for long service life.

□ EP Technical Data

名称 Description	规格 Specification	型号 Type	EP20 / EP30 / EP50				
公称力 Nominal force		kN	200 / 300 / 500				
加工板材尺寸(含一次再定位) Max. sheet size (include one repositioning)		mm	1250×2500	1250×4000	1250×5000	1500×4000	1500×5000
滑块行程 Ram stroke		mm	32				
工件最大厚度 Max. sheet thickness		mm	6.35 / 8				
一次冲孔最大直径 Max. punching dia.		mm	Φ88.9				
模位数 Tool station		个	30				
孔距精度 Punching accuracy		mm	±0.10				
冲孔频率 Punching frequency		hpm	700				
板料最大移动速度 Sheet feeding speed		m/min	106				
床身结构 Frame structure			闭式				
控制轴数 Controlling axis		个	5轴				
转塔转速 Turret speed		r/min	30				
旋转工位一次冲孔最大直径 Max. punching dia. at index station		mm	Φ88.9				
工件最大质量 Max. sheet weight		kg	156	156	210	210	235
空气压力 Air pressure		MPa	0.55				
外形尺寸长-宽-高 Dimension (L×W×H)		mm	5200×3000×2200	5200×4200×2200	5200×5200×2200	5700×4200×2200	5700×5200×2200

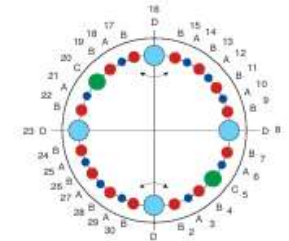


Imported automatic programming software

This software can automatically choose the tools according to the CAD drawing, and can appear the requested codes by the control system, and can automatically realize the over stroke and dead zone and avoid the punched holes.

Turret Layout

工位类别 Station types	30工位 30 station	尺寸范围(mm) Dimension range
A	10	Ø3-Ø12.7
B	14	Ø12.7-Ø31.75
C	2	Ø31.75-Ø50.8
D	2	Ø50.8-Ø88.9
D (旋转)	2	Ø50.8-Ø88.9



30工位模具分布图
30 station tooling layout

Direct driving servo mechanism

Stable function, hi-speed and noise-free, environmental-friendly, energy-saving by 60%

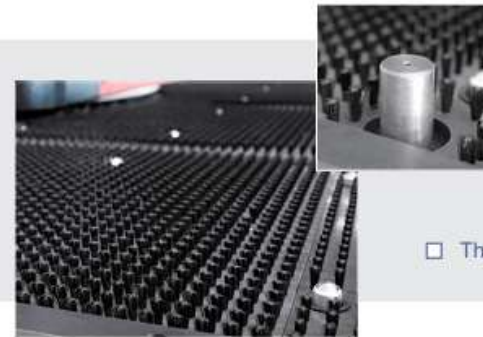


Various working graphs (with special toolings)



Self-rotation station (Patented)

The 2 auto-indexing stations are of worm and wheel construction and are controlled by CNC control system and the rotation can be made freely for a bigger working range, less toolings and working time.



The worktable with thin brush