LWN 100 旋风铣机床

Precision EPS screw manufacture for the vehicles of tomorrow
面向未来--汽车EPS蜗杆的精加工成形

The LWN 100 whirling machine is able to reliably process EPS screws with a module from 0.8 to 3 and a swivelling angle of up to 42 degrees twice as quickly as other production processes. This is possible for the usual diameter of 14 to 30 mm and a length up to 220 mm.

LWN100旋风铣机床能够可靠地加工模数0.8到3，外径14到30mm，长度达220mm的蜗杆，旋转角调整范围可达42度，加工效率高达其它加工工艺的两倍。

Economic and precise:
经济性和高精度

- Dry machining → no cooling lubricant costs
  干式切削→无需冷却液和润滑液
- Short whirling times (50% shorter vs. conventional manufacturing)
  更短的加工时间（比传统加工工艺缩短了近50%）
- Finish processing to a high surface quality
  精加工，表面质量高
- Low tool costs and shorter cycle times
  刀具成本低，加工节拍更短
- Tool spindle rotates at a maximum speed of 4115 rpm
  旋铣主轴转速可达4115 rpm
- In the horizontal direction, the tool slide moves up to 242 mm, on the X-axis the tool spindle moves from -15 to +20 mm
  旋铣头轴向位移可达242mm，X轴主轴位移范围-15至+ 20mm
- Extremely compact size: 3960 x 2290 x 2530 mm (W x H X D) and a total weight of 6000 kg, incl. cooling device
  紧凑的外形尺寸：3960×2290×2530mm(长×高×宽)，总重6000kg（包括冷却装置）

User-friendly
人性化使用

- Quick commissioning
  安装调试简易快捷
- Excellent process reliability
  卓越的工艺可靠性
- Short changeover times
  换型时间短
- All guide and drive units benefit from complete all-round protection
  所有的导轨和驱动单元具备全面防护
- Steep bed facilitates unhindered flow of short chips
  陡斜式床身，排屑方便顺畅

PROFILE WHIRLING MACHINE LWN 100
精加工成形--旋风铣机床 LWN 100

Technical Data LWN 100 技术参数 LWN 100

Headstock (c-axis)	**主轴箱（C轴）**	
Speed	转速	max. 160 rpm
Spindle nose	主轴头规格	DIN 55021 - size 8
Resolution of the c-axis	C轴分辨率	± 0.001°
Longitudinal slide (z-axis)	**Z轴**	
Positioning accuracy	定位精度	± 0.001 mm
Cross slide (x-axis)	**X轴**	
Positioning accuracy	定位精度	± 0.001 mm
External whirling unit AWS 100	**外旋铣单元 AWS 100**	
Speed	转速	
Drive type	驱动类型	asynchronous motor 异步电机
Power max.	最大功率	4.9 kW
helix angle adjustment (a-axis)	A轴调整范围	-22° / +22°
Positioning accuracy	定位精度	± 0.003°
Workpiece	**工件直径**	Ø 14 - 30 mm
Machining length	**工件加工长度范围**	max. 220 mm

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