

LWN 100

Precision EPS screw manufacture for the vehicles of tomorrow

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.

Economical and precise:

- Dry machining → no cooling lubricant costs
- Short whirling times (50% shorter than conventional manufacturing)
- Finish processing to a high surface quality
- Low tool costs and shorter cycle times
- Tool spindle rotates at a maximum speed of 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
- Extremely compact size: 3960 x 2290 x 2530 mm (W x H x D) and a total weight of 6000 kg, incl. cooling device

User-friendly

- Quick commissioning
- Excellent process reliability
- Short changeover times
- All guide and drive units benefit from complete all-round protection
- Steep bed facilitates unhindered flow of short chips





PROFILE WHIRLING MACHINE LWN 100



TECHNICAL DATA LWN 100

Headstock (c-axis)	
Speed	max. 160 rpm
Spindle nose	DIN 55021 - size 8
Resolution of the c-axis	$\pm 0.001^\circ$
Longitudinal slide (z-axis)	
Positioning accuracy	± 0.001 mm
Cross slide (x-axis)	
Positioning accuracy	± 0.001 mm
External whirling unit AWS 100	
Speed	max. 4.100 rpm
Drive type	asynchronous motor
Power max.	4.9 kW
Helix angle adjustment (a-axis)	$-22^\circ / +22^\circ$
Positioning accuracy	$\pm 0.003^\circ$
Workpiece	$\varnothing 14 - 30$ mm
Machining length	max. 220 mm

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