

WLR Precision Engineering



KERN Pyramid Nano Machining Centre

- > Hydrostatic guideways and drive system
- > Integrated central temperature management system ($\pm 0.25^{\circ}\text{C}$) for hydraulic systems, spindle, electrical cabinet and flood coolant unit
- > Accuracy $\pm 1 \mu\text{m}$ on the workpiece (VDI/DGQ 3441)



Call us today to see how we can turn your ideas into a reality.

tel: 0115 945 5505

web: www.wlrprecision.co.uk

DEDICATED TO QUALITY ...
... AND PERFECT PRECISION

WLR Precision Engineering



Virtually Perfect Precision

Accuracy $\pm 1\mu\text{m}$ on the workpiece and this is how we do it

- A** Infra red Renishaw OMP 40 spindle probe
- B** **5 axis table**
Accuracy 3 secs / arc on the workpiece
- C** KERN Armorith, polymer concrete base reinforced with steel bars
- D** **Spindle options**
HSK40 200 - 42,000 15.0KW
- E** **Toolchanger options**
HSK40 - 75 tools
- F** Heidenhain Control System
- G** Blum Laser Tool Measurement
- H** Hydrostatic Guideways and drive systems in X/Y/Z axes

Axis travels:-

X = 500mm
Y = 500mm
Z = 400mm

Precision according to VDI/DGQ 3441 Verified on NAS testpiece

Integrated central temperature management in five separate cooling circuits for spindle, drives, axes, machine base and coolant system



What our clients say...

"We have worked closely with WLR Prototype Engineers over a number of years and their dedication to quality in both product and service is of a high standard. WLR continues to invest in the latest technology, ensuring that they are the perfect partner when complex, precision engineering solutions are required. They have helped us to excel in the high-tech pharmaceutical industry and I have no reservations in recommending their services."

Sales Director of a Leading UK Manufacturer of Laboratory Equipment

WLR Precision Engineering

WLR is a centre of manufacturing excellence, supplying precision engineered components and is committed to the efficient production of product to achieve total customer satisfaction.

WLR Prototype Engineers Ltd was founded in 1969, initially producing Prototype and test pieces for the Aerospace industry.

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