

Jig-Grinding on a KERN Pyramid Nano Machining Centre

Art. No. 200011634

Basic coordinate jig grinding package for KERN Pyramid Nano for milling and/or grinding operation of work pieces in one clamping set up and in one NC program

Scope of supply:

- Removable and adjustable dressing spindle with ultrasonic sensor in the work area for the dressing of the grinding tool (activation via NC)
- Integrated ultra sonic sensor (up to 4 sensors can be fitted) for automated probing, automated dressing and automated control if the tool is in intervention
- Ethernet-Interface for visualisation of the ultrasonic by means of an external PC including
- Defined special cycles for:
 - **Drilling**
 - **Cylinder**
 - **Probing**
- Automatic switching from fast feed to operation feed during tool intervention (air grinding)

Art. No. 200011636

Supplement ultrasonic fluid sensor for coordinate jig grinding package for KERN Pyramid Nano for the determination of the contact point tool - tool by a cooling lubricant stream

Scope of supply:

- Ultrasonic fluid sensor
- Supplementary cooling lubricant feed

Art. No. 200011637

Supplement magnet sensor for coordinate jig grinding package for KERN Pyramid Nano for determining the contact point tool - tools by a sensor which can be positioned individually by magnet force

Scope of supply:

- Magnet sensor

Art. No. 200011635

Supplement pendulum stroke for coordinate jig grinding package for KERN Pyramid Nano for independent pendulum motion of the Z axis

Scope of supply:

- Hydrostatic driven and guided Z axis for a wear less pendulum motion
- Water-cooled drive motor of the Z axis adapted to the exposure profile
- NC cycles for simplest programming of a Z motion independent of X-Y