

HEIDENHAIN



Klartext for Robots

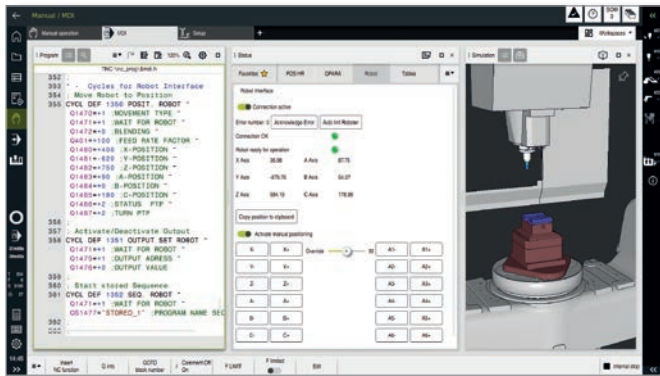
Direct Robot Operation on the TNC

www.heidenhain.com

HEIDENHAIN enables the direct operation and programming of handling robots via the TNC without prior robot programming knowledge. Integration is achieved via Ethernet and is ideal for already existing machines.

Klartext cycles and teach-in functionality support the easy setup of typical tasks such as pick-and-place movements, deburring, or gripper control. Standardized interfaces ensure fast connectivity, even across different manufacturers.

- No robot programming knowledge required
- Seamless teach-in programming via Klartext cycles in the NC program
- Single user interface for all tasks
- Connection via Ethernet (TCP/IP)
- Easy integration thanks to standardized interfaces



Typical applications

- Pick-and-place movements
- Deburring
- Cleaning
- Flipping the workpiece
- Handling the tool

Supported types of motion

- Linear movements
- Point-to-point (PTP) movements
- Curve-based smoothing

Compatibility

- HEIDENHAIN TNC7, TNC 640, and iTNC 530 (NC software 60642x-04 or later)
- KUKA robots with mxAutomation (other robot manufacturers possible)
- Implementation through the machine manufacturer or system integrator is possible



Easy automation

Possible applications



DR. JOHANNES HEIDENHAIN GmbH develops and manufactures linear encoders, angle encoders, rotary encoders, and CNC controls for demanding positioning tasks. The HEIDENHAIN product range also includes touch probes, vision systems, length gauges, digital readouts, signal converters, testing devices, inspection devices, and practical Digital Shop Floor software solutions.

Through its extensive expertise in developing and manufacturing encoders and CNC controls, HEIDENHAIN lays the groundwork for the automation of tomorrow's manufacturing technology, supplying a variety of major innovative industries such as machine tools, electronics, robotics, medical technology, elevators, and metrology.

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