

Why buy this machine?

This Quaser UX630P is a rare opportunity to acquire a high-specification, near-new 5-axis machining centre at a fraction of its original price of **€370,000**. Built in 2020 and professionally maintained in a demanding production environment for complex, tight-tolerance components in tool steel and difficult materials.

The configuration is exceptional for this price point: the **Peiseler direct-drive rotary/tilt table (Made in Germany)** combined with the **HSTec 51 kW motorised spindle** and **Heidenhain TNC 640** control delivers the kind of simultaneous 5-axis performance typically found on machines costing twice as much. The 90-position HSK-A63 tool magazine, through-spindle coolant at 20 bar, and the full suite of Heidenhain software options (DCM, Kinematics Opt, LAC) make this a truly turnkey solution.

Automation-ready: the **BMO robot interface is already installed and programmed**, allowing immediate integration with existing robot loading systems — no additional integration cost. A **Schunk Vero-S zero-point clamping system** is included, enabling sub-minute workpiece changeovers and seamless pallet integration.

Ideal for precision subcontractors, aerospace & automotive tier suppliers, and toolmakers looking to add genuine 5-axis simultaneous capacity. Video and a live test run are available on request. The machine can be inspected in operation at the current location in Ommen, Netherlands.

HIGHLIGHTS

- Modern 5-axis machine, year 2020 — minimal wear, production-ready from day one
- Heidenhain TNC 640 control with 19" screen — industry-standard, broad operator availability
- Peiseler swivel/rotary table (Made in Germany) — Direct Drive Built-in on both axes
- HSTec Built-in spindle HM-15A: 15,000 rpm / 51 kW / 162 Nm — exceptional power for simultaneous 5-axis work
- HSK-A63 spindle taper — maximum precision and rigidity
- 90-position tool magazine (HSK-A63) — ideal for lights-out / unmanned production
- Schunk Vero-S zero-point clamping system — sub-minute workpiece changeover, pallet-ready
- Renishaw infrared 3D workpiece probe + Blum laser tool measurement
- Heidenhain linear scales on X/Y/Z + RCN angular encoder on A- and C-axis
- Through-spindle coolant (TSC) 20 bar, water chiller, thermal compensation
- Heidenhain options: DCM, Kinematics Opt (KKH 100 mm), LAC, Software Opt. 2 & 18 (DNC)
- BMO robot interface installed and programmed — existing automation directly connectable
- Automatic front door

TECHNICAL SPECIFICATIONS

Axes & Work Range	
Number of axes	5 (simultaneous)
Travel X-axis	900 mm
Travel Y-axis	700 mm
Travel Z-axis	610 mm
B-axis tilt range	+120° ~ -120°
C-axis rotation	360° continuous
Rotary Table	
Make	Peiseler (Made in Germany)
Drive	Direct Drive Built-in on both axes
Table size	400 x 400 mm (no T-slots)
Max. workpiece size	Ø630 x 540 mm
Max. table load	500 kg
Table to spindle nose	60 ~ 670 mm
Angular encoder	Heidenhain RCN (A- and C-axis)
Spindle	
Make / type	HSTec HM-15A (Built-in motorised spindle)
Spindle taper	HSK-A63
Max. spindle speed	15,000 rpm
Spindle power	51 kW (S6-25%)
Max. torque	162 Nm
Tool Magazine	
Capacity	90 positions (HSK-A63)
Max. tool diameter	76.2 mm (125 mm with adjacent positions empty)
Max. tool length	300 mm
Control	
Manufacturer	Heidenhain
Model	TNC 640 with 19" touchscreen
Linear scales	Heidenhain (X, Y, Z axes)
Machine Details	
Year of construction	2020
Machine weight	approx. 17,200 kg
Floor space (L x W)	4,810 x 3,920 mm
Machine height	3,520 mm

EQUIPMENT & OPTIONS

- Schunk Vero-S zero-point clamping system (NP)
 - Renishaw infrared 3D workpiece probing system
 - Blum laser tool measurement system
 - Through-spindle coolant (TSC) 20 bar • Water chiller + thermal compensation system • Band filter system
 - Centrifugal air filter (CMC1500 J-SP) • Automatic front door • BMO robot interface (installed and programmed)
 - 4x compressed air connections in clamping table for zero-point clamping
- Portable handwheel Heidenhain HR510 • Automatic lubrication system for X/Y/Z linear guideways
 - Heidenhain option DCM (Dynamic Collision Monitoring) • Heidenhain Kinematics Opt incl. KKH calibration sphere 100 mm • Heidenhain LAC (Load Adaptive Control) • Heidenhain Software Option 2 (Swivel/rotary table) • Heidenhain Software Option 18 (DNC communication) • Air blow through spindle during machining • Cooled ball screws

Video and test run available on request | Machine can be inspected in operation | Location: Ommen, Netherlands