

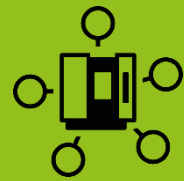
It's a match!

The HELLER retrofit packages finder
for your machine.



+?

AVAILABILITY



DIGITALIZATION

- _ LifeGuard Package
- _ Process Package (PP)
- _ Remote Diagnostics (RD)
- _ Axes Condition (AC)
- _ Spindle Condition (SC)
- _ Condition Plus
- _ Condition Plus Global
- _ Advanced Data Box
- _ Energy Monitoring (EM)
- _ Industrial PC (IPC) for connectivity and data connection
- _ umati
- _ NetGuard Firewall
- _ HELLER Services Interface (HSI)
- _ Production data acquisition
- _ Integrated Tool Monitoring (IPM)
- _ Damage Reduction

FOLLOW-UP COMPONENTS

- _ Machining unit | HSU HELLER Spindle (HSM replacement) **NEW**
- _ HELLER hybrid field coupler **NEW**
- _ E/A-modules Cube 67 for Fanuc control **NEW**
- _ HELLER motor spindle (Gamfior replacement)
- _ Fit for 1FK7 Generation 2
- _ E/A modules Cube67 (Replacement for ET200X DESINA)
- _ E/A-Module ET 200 PRO (Replacement for ET200X)
- _ Main spindle motor (Replacement for 1PH8 PT1000)
- _ Frequency converter SINAMICS G120 (Replacement for MM220, MM420, MM440)



MACHINE PROTECTION

- _ Monitoring filter fleece **NEW**
- _ Collision detection
- _ Leakage monitoring on spindle
- _ Leakage monitoring of the hydraulic system
- _ Optimized tool holder HSK100
- _ Carbon filter for sealing air on scales
- _ Tool change doors with damping



SUSTAINABILITY



SAFETY AT WORK

- _ Extraction unit for emulsion
- _ Replacement of hydraulic hoses



ENERGY EFFICIENCY

- _ BLUE Power Save
- _ BLUE Coolant
- _ BLUE Chill
- _ BLUE Hydraulics
- _ LED work area lighting
- _ Lighting for rack-type tool magazine

OPERATION

- _ Manual operating unit
- _ Foot-operated pneumatic interlock
- _ Keyboard
- _ Screen blow-off device
- _ Electronic Key System Chips
- _ Documentation
- _ Magazine operating panel
- _ Enabling network drive
- _ LED work area lighting
- _ LED workpiece setting station lighting **NEW**
- _ Lighting for rack-type tool magazine



NC TECHNOLOGY

- _ Interpolation turning IPT **NEW**
- _ NC-data-export NCE **NEW**
- _ HELLER technology cycles
- _ Milling technology package
- _ Tangential control incl. cycles
- _ Feed force display
- _ DataMatrixCode Generator (DMCG)



PRODUCTION MONITORING

- _ Status lamp red-yellow-green
- _ Runtime and quantity recording
- _ Effective machining time counter
- _ Pallet job counter
- _ Display menu for workpiece counter and effective machining time



PRODUCTIVITY



PROCESS OPTIMIZATION

- _ Interpolation turning IPT **NEW**
- _ Tool pick-up from pallet
- _ Automatic loading/unloading sequence
- _ Camera system for production
- _ Tool Planning
- _ Hydraulic workpiece clamping
- _ Fourth line in work area
- _ Thread cutting without compensating chuck (uni-Pro)
- _ Multi-spindle head mounting
- _ Multiple clamping
- _ Automatically operated doors at the workpiece setting station (SIDOOR)
- _ Tool requirements planning and loading support (TRP)
- _ Interface for robot loading



PROCESS RELIABILITY

- _ Monitoring filter fleece **NEW**
- _ Gantry drive Z-Achse **NEW**
- _ 3D data for work area models
- _ Pneumatic location check
- _ Pneumatic unclamp check
- _ Automatic filling device for coolant unit
- _ Tool coding
- _ Tool breakage monitoring



PERFORMANCE INCREASE

- _ Machining unit | HSU HELLER Spindle (HSM replacement) **NEW**
- _ Gantry drive Z-Achse **NEW**
- _ Adaptive Control
- _ Performance package axis dynamics
- _ PCU modernization
- _ Modernization of control hardware
- _ Software update
- _ Increase in machine performance for NCU
- _ NC memory expansion
- _ Solid State Drives (SSD)
- _ Processing from an external memory
- _ Spline interpolation
- _ Alternative strategy