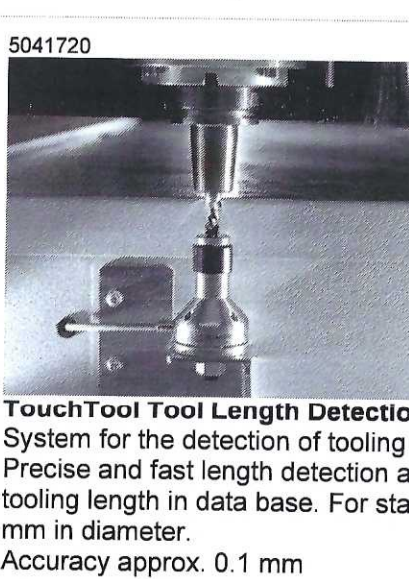


Manual operating unit for machine remote control
with the following operating functions:
> Start / Stop of processing program
> Processing cycle speed rate control
> Re-set key
> Manual feed / Rapid feed for all axes
> Emergency cut-off function

505221*



Control console with 21.5" 16:9 flat screen monitor
(when CNC has a safety mat the control panel is mounted on wheels #505 22 13)

5041720



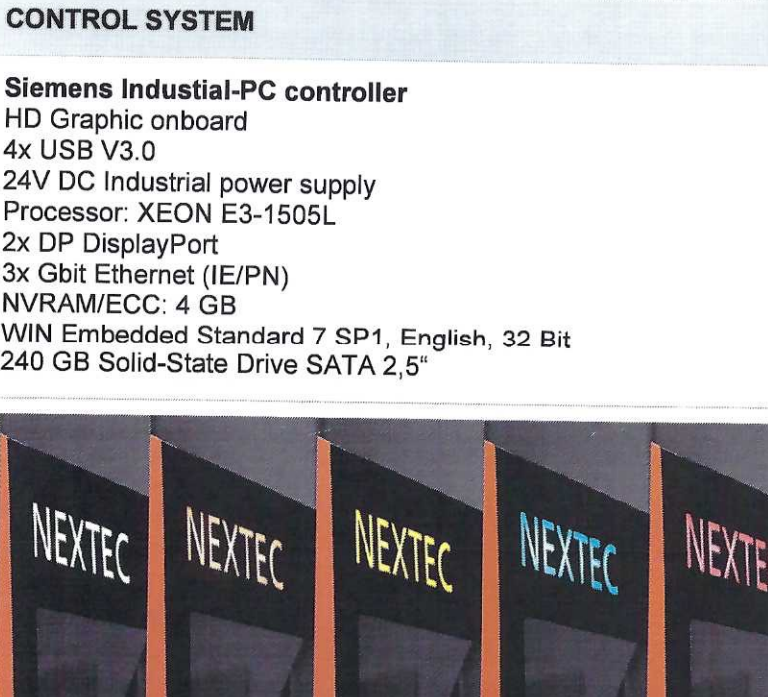
TouchTool Tool Length Detection System (WZ 7)
System for the detection of tooling length or breakage
Precise and fast length detection and automatic adjustment of tooling length in data base. For standard shaft tooling of up to 20 mm in diameter.
Accuracy approx. 0.1 mm

Technical Specification

HOLZ-HER Machining Center DYNESTIC 7505

BASIC MACHINE

5052552*



BASIC MACHINE - DYNESTIC 7505 10.5_Push
working length 3.100 mm (without tools)
Electric cabinet integrated

CAMPUS V7 CAD/CAM software 1x licence including simulation
1 ea. software license with USB-dongle for machine

CAMPUS V7, software for CNC machining centers

Consisting of:

1. **CAMPUS NC-HOPS**
2. **CAMPUS aCademy**
3. **CAMPUS Workcenter**
4. **CAMPUS MT-Manager**
5. **CAMPUS 3D simulation**

CAMPUS NC-HOPS
Variant graphics system with WOP and CAD/CAM properties for creating parts variants using macrotechnology

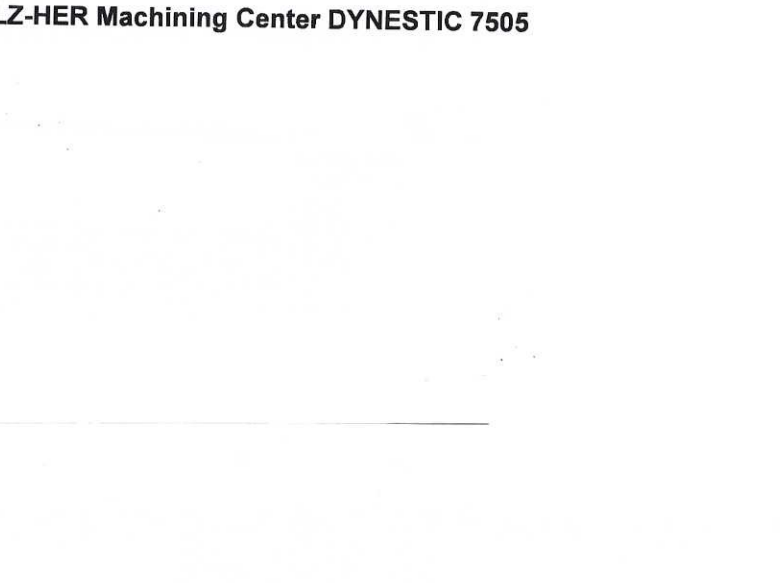
5047980*

Hi-Speed USB-Device Network-Server
For using the CAMPUS Single License either on the machine or on one office-PC inside the same network.
Only one license can be used at the same time within the network!

CONTROL SYSTEM

Siemens Industrial-PC controller

- HD Graphic onboard
- 4x USB V3.0
- 24V DC Industrial power supply
- Processor: XEON E3-1505L
- 2x DP DisplayPort
- 3x Gbit Ethernet (E/FPN)
- NVRAM/ECU: 4 GB
- WIN Embedded Standard 7 SP1, English, 32 Bit
- 240 GB Solid-State Drive SATA 2,5"



Display of Operating Mode
via color code of LED lights in machine hood

Solid welded machine frame
with grounded prismatic guidance system
at Gantry drives, aggregate head and consoles

Rack drive, helical teeth, in X direction, ball roller spindles in Y and Z directions for precise positioning

DYNESTIC table

Solid continuous machining table with matrix pattern with continuous grooves in both the X and Y directions. Distance between grooves 50 mm with 20 m sealing cord for workpiece clamping.

1 rear machining field with 5 stops each (field D)
70 mm high, pneumatically retractable
Each with 4 in Y axis and 1 in X axis right (looking from the front edge of the machine)

Remote maintenance + e-cabinet:
Network interface card for the transmission of control data and program data.
Data transmission is by Internet.
Foot pedal for light access at the machine.
Use of this facility when required during the validity period of the guarantee is free.

USB Connector
For data protection (backup) and/or direct input of processing data at the control panel

TECHNICAL DATA

Machining dimensions 10.5
Max. workpiece dimension on nesting table
X = 3100 mm Y = 1600 mm

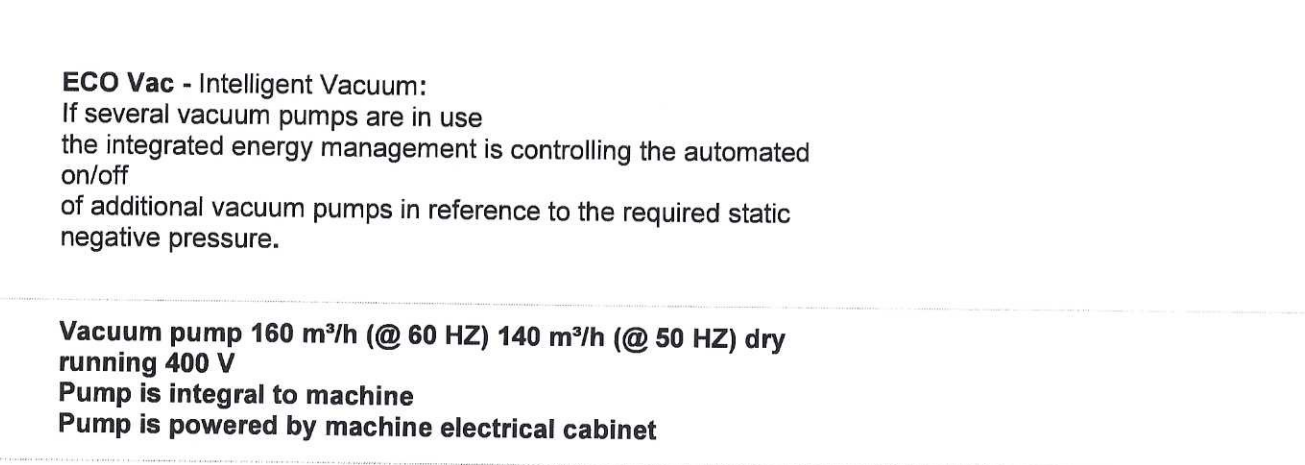
Max. displacement:
X = 4045 mm Y = 1890 mm Z = 317 mm

Max. passage height Pusher over Nesting Table 7505/7507
Z = 120 mm from table surface (without thickness of wasteboard/spoilboard)

MACHINE OPERATION

SOFTWARE

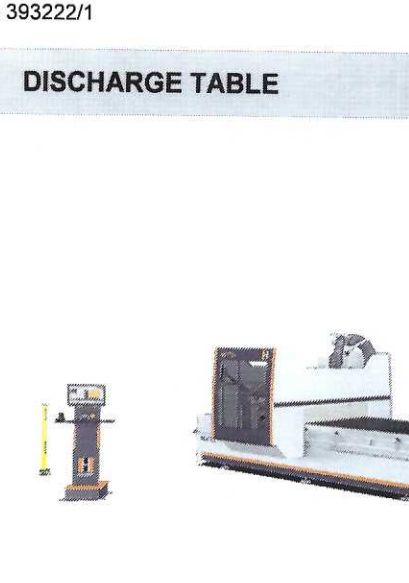
Precision and productivity for the panel processing
Everything from a single source. Everything 100%!*



Offer
HOLZ-HER Machining Center DYNESTIC 7505



5051298*



Boring unit 7884, 14 spindles
Drive power: 3 kW

10 vertical spindles, individually selectable
L-shape arrangement, 6 in X- and 4 in Y-axis, 32 mm centres
Max. borer diameter: 35 mm

4 horizontal spindles
2 double boring spindles in X axis
1 double boring spindle in Y axis

Total drill length: 70 mm from screw-in end
(depending on panel thickness)
Precision retraction lift: 70 mm
Sense of rotation: Alternating clock / anti-clockwise
n (min.) 1,000 - 4,400 min-1 infinitely variable
Connector: M 10 thread - press fit 11 mm
Without tooling, without connector

5028320*

Saw unit

Integrated saw unit for sawing / grooving in X axes
n(max) 1,000 - 5,650 min-1 infinitely variable
Tool connector: A = max. Ø = 125 mm, 1 Ø = 20 mm,
B = max. 4.0 mm

ROUTING UNIT

5051254
Cutter unit 7831, power: 1,000 kW (S6)
Air-cooling, n(max) 1,000 - 24,000 min-1 infinitely variable,
max. power at 12,000 min-1 to 24,000 min-1,
with HSK-F 63 connector
with R/H thread nut (for clockwise-rotating tool)
with clamping connector with HSK shaft
Ceramic ball bearings (Hybrid bearings)
Tool weight max. 6 kg (incl. connector)
Tooling: Cutting and sanding tools max. Ø 160 mm

MACHINE ELECTRICAL

5038501
Air Condition for Electric Cabinet
(necessary from 50° celsius in the electric cabinet)

5051258*

Human safety by vertical light barriers on four sides of the machine for best access to machine table.

AUTOMATION

5050895*
Discharge pusher on moving stands, controlled (AUT17)
Including simultaneous vacuum evacuation on spoil board during discharge with 1 each dust duct, Ø 200 mm

Incl. under floor dust extraction, dust collector at the end of the table
with 2 each dust ducts, Ø 80 mm

Your benefit at a glance

Machine Table and Tool Changers
Precision milled „High-Flo-Vacuum-Table“ for efficient and safe holding of the workpieces. The stops are anodized and are running in hardened and adjustable eccentric bushings for permanent reliable zero points. The pick-up tool changer makes for short tool changing times. All HSK tool holders are covered to protect them from dust and chips.

Aggregates and Tooling Technology
High-end changing aggregates can be selected from the price list and are extending the possibilities of the CNC machining centers for even more flexibility.

Options and Maintenance
HOLZ-HER CNC machining centers can be compiled from many building blocks to match the requirements of different materials and usages. Many additional options like clamping devices can be selected from the option list.

Utmost flexibility and user friendliness. Precision and operation reliability for years through high quality components like covered hardened and precision ground linear guideways on all axes. Optimized extremely stiff machine frames and support for excellent milling results. Precision ball bearing spindles for Z-axis, helical gears for the Gantry drives along X- and Y-direction = high precision machining along the whole length of the machine bed. Only HOLZ-HER is offering 10 years of warranty on the linear guideways!

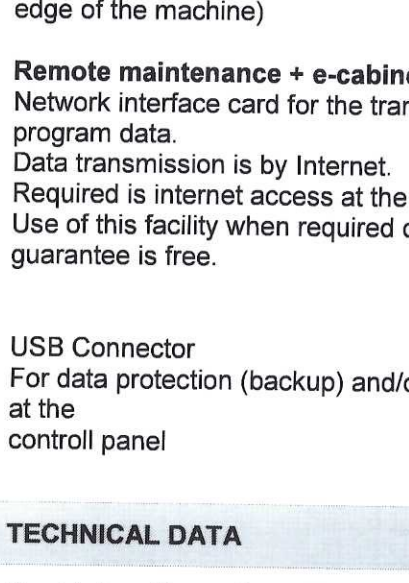
Controller and Usage
Latest control- and driver technology with powerful brushless drive motors on all axes. Extremely high acceleration and dynamics - all axes are fully interpolating!

Automation and Material Handling
Extensive components for automation are available for optimized material flow on DYNESTIC machines. Machines can be fed by lifting tables as well as though intelligent storage systems with vacuum loaders. It goes without saying that HOLZ-HER is also offering a full range of software solutions for the full integration into the operating procedure of the company.

Main Spindles and Drill Head
Strong spindles with excellent performance curves and perfect balance are there to transfer your creativity into products of best quality. The drill aggregates are designed for short cycle times and many possible variations of usage.

VACUUM UNITS

5035450*



ECO Vac - Intelligent Vacuum:
If several vacuum pumps are in use the integrated energy management is controlling the automated on/off of additional vacuum pumps in reference to the required static negative pressure.

Vacuum pump 160 m³/h (@ 60 HZ) 140 m³/h (@ 50 HZ) dry running 400 V
Pump is integral to machine
Pump is powered by machine electrical cabinet

Second vacuum pump 160 m³/h (@60 HZ) / 140 m³/h (@50 HZ) dry running 400 V
Energy efficient by start/stop control of vacuum pumps via ECO-VAC
Pump is integral to machine
Pump is powered by machine electrical cabinet

Additional vacuum pump 160 m³/h (60 HZ) 140 m³/h (50 HZ) dry running 400 V
Pump is external to machine
Pump is powered by machine electrical cabinet

DISCHARGE TABLE



Discharge table, with motorized controlled conveyor (AUT 5)
10.5
Including light barrier and dust extraction from below
Foot pedal for light barrier operation and activation of the outfeed belt conveyor for long workpieces

EQUIPMENT VARIANTS AND ACCESSORIES

LUBRICATION

5052810*
Manual Lubrication - combined lubrication points
For all linear guide ways in X-, Y- and Z-direction
For all ball bearing spindles in X-, Y- and Z-direction

5050225*



Tool changer 7873, 6-position linear pick-up tool changer
Pneumatically lifting, integrated into machine bed
To be fitted with a HSK tool holder.
Can be extended to up to 12 tool HSK-tool holder positions

3 additional forks for HSK tool holders for Pick-Up tool changer 7873
Option can be ordered max. 3 times to extend the tool changer 7873 to max. 12 tool-positions.

STOPS Push

5051271*
1 rear fence for machining field (field D) with side stop
(replaces single stop pins in the back)

Div*

1 front stop- or guiding-fence (AUT 12)

STOP MONITORING

5027781
Stop monitoring for 5 standard stops in the back and right hand side
Safety device to prevent damage of the stops.

1 2836920
Stop monitoring for 2 additional stops / 1 stop fence