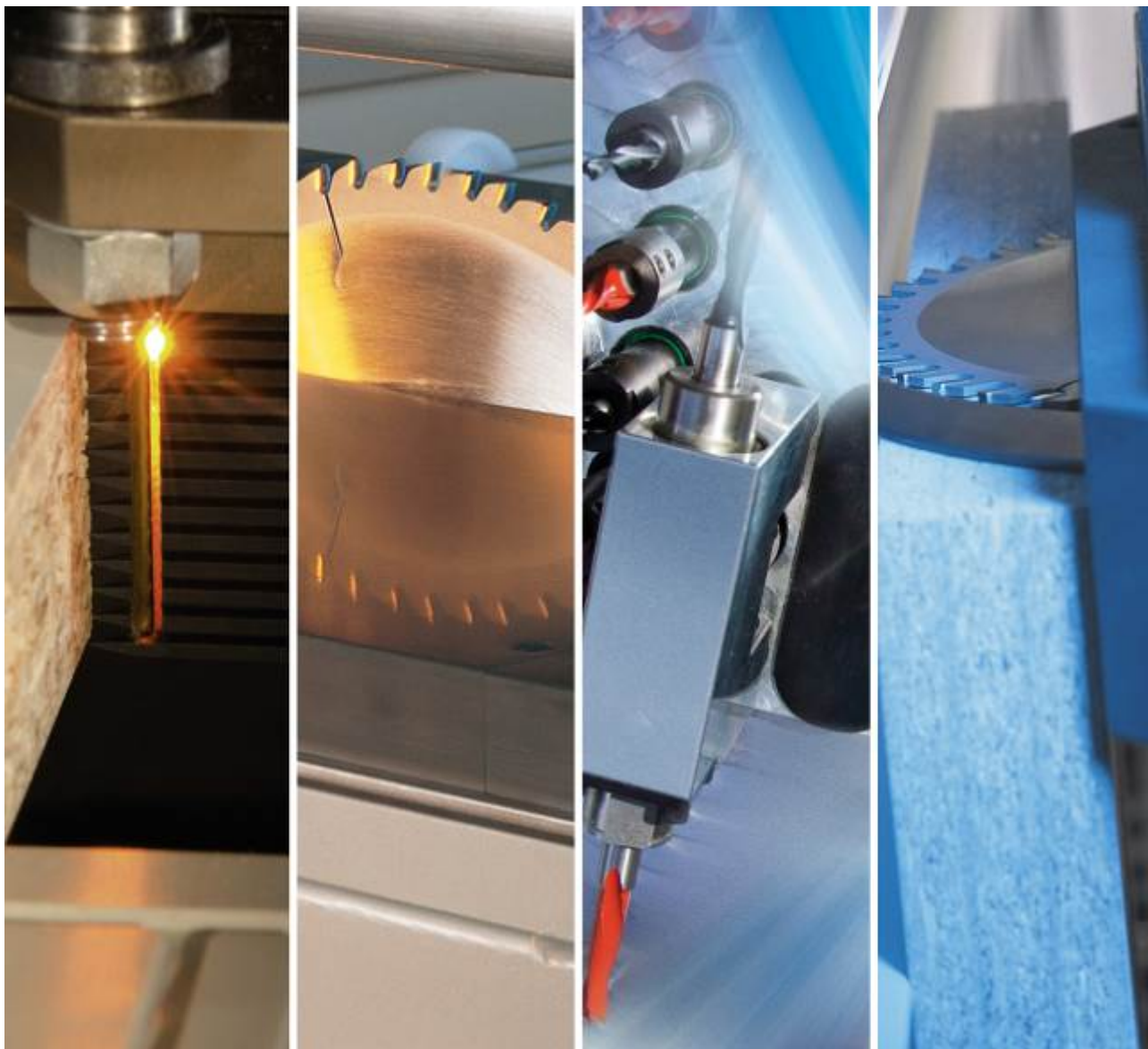


Precision and productivity for the panel processing
Everything from a single source. Everything 100%!



HOLZ-HER Machining Center DYNESTIC 7521



Your benefit at a glance

Machine Table and Tool Changers

Precision milled „High-Flow-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. Ride-along tool changers and fixed-position pick-up tool changers make 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 praxis proven clamping devices can be selected from the option list.

DYNESTIC 7521 Series

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 supports for excellent milling results. Precision ball bearing spindles for Z-axis, helical gearing along X-and Y-direction = high precision machining all 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 through 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.

Technical Specification

HOLZ-HER Machining Center DYNESTIC 7521

BASIC MACHINE

5029270*

BASIC MACHINE - DYNESTIC 721 20.6

working length 6,250 mm (without tools)

Solid welded machine frame

with grounded prismatic guidance system
at travelling column, aggregate head and consoles
One arm extension of carriage

Rack drive, helical teeth, in X- and Y-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 25 m sealing cord for workpiece clamping.

1 rear machining field with stop

30 mm high, pneumatically retractable
Each with 2 stop fences in Y and 1 stop in X axis right
(looking from the front edge of the machine)

Remote maintenance

Network interface card for the transmission of control data and program data. Data transmission is by Internet. Required is a high-speed internet access at the machine. Use of this facility when required during the validity period of the guarantee is free.

CONTROL SYSTEM:

PC control
CPU Intel Core i3-2120 3,3 GHz
SSD 120 Gb
Windows 7 Professional

USB Connector

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

TECHNICAL DATA

Machining dimensions 7521 20.6:

Max. workpiece dimension for cutting (less cutter radius)
X = 6250 mm Y = 2100 mm Max. displacement:

Max. displacement :

X = 7360 mm Y = 2720 mm Z = 325 mm

MACHINE OPERATION

SOFTWARE

5036196*



CAMPUS Basic Bundle

incl. CabinetControl Base, 1x machining licence / 1 x office licence

CabinetControl Base

Software for furniture planning and production

Generation of furniture designs (single cabinet)

(may consist of up to 1 cabinet with 9 intermediate walls)

Can be called directly from CAMPUS

Automatic generation of NC-HOPS data

For CabinetControl PRO please refer to the software price list

Consisting of:

1. CAMPUS NC-HOPS
2. CAMPUS MT-Manager
3. CAMPUS Workcenter
4. CAMPUS aCADemy

5040250

CAMPUS "Better Nest" True Shape Nest, nesting software

1 ea. software license secured via USB-dongle for office or machine

True shape-nesting-software with

- > Nesting of all shapes possible
- > Reading and generating of finished programs
- > Approach and descent technology for tooling
- > List and label
- > Configurable reports of nesting results
- > Labels for nested parts

CONTROL SYSTEM

5035413*

Manual operating unit for machine remote control (13m)

with the these operating functions:

- > Start / Stop of processing program
- > Processing cycle speed rate control
- > Re-set key
- > Manual feed / Rapid feed for all axes
- > Emergency stop

5027502*

17" TFT flat screen monitor

5034447



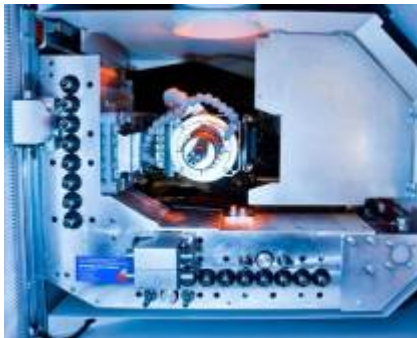
TouchLabel - 19" TouchScreen and label printer mounted on a pod.

Installation of monitor and printer ergonomically in the unload area. Monitor shows the workpieces in the nested panel. Label printer will start printing immediately after touching the corresponding workpiece at the TouchScreen. CAMPUS modul label printing has been integrated for standard text and barcode-prints (incl. 2D Data-Matrix) . Label template editor to link with label variables.

Software CAMPUS Square Nest or True Shape must be installed!

BORING UNIT

5026961*



Boring unit 7976, 24 spindles

Drive power: 3,0 kW

18 vertical spindles, individually selectable

L-shape arrangement, 10 in X- and 8 in Y-axis

32 mm centers

Max. borer diameter: 35 mm

Total borer length: 70 mm from screw-in end (depending on panel thickness)

Spindle retraction lift: 70 mm

Sense of rotation: Alternating clock / anti-clockwise

n(max.) 1,000 - 5,710 min⁻¹ infinitely variable

Connector: M 10 thread - press fit 11 mm

without tooling, without connector

6 horizontal spindles

2 double boring spindles in X axis (distance between 1. and 2. horizontal spindle is 64 mm)

1 double boring spindle in Y axis

Connector: M 10 thread - press fit 11 mm

Total borer length: 70 mm from screw-in end

without tooling, without connector

ROUTING UNIT

5026966

Cutter unit 7832 double stroke, power: 10.0 kW (S6)

Liquid cooling, n(max) 1,000 - 24,000 min-1 infinitely variable, double stroke,

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 tools)

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

5026969

Vector axis (adjusting C axis), fully interpolated

0° - 360° infinitely rotating

TOOL CHANGER

5021992*

Fixed adapter for mitre gears

5030445



12 position tool changer 7996, (disk)

automatically in X-direction following

Max. tool Ø: with full equipment Ø 120 mm, with free adjacent spaces Ø 200 mm

Max. tool weight: 5 kg per tool

to equippe with clamping system connector with HSK - Shaft

STOPS

5022366

2 additional machining fields at front with stops

8 stops in total, pneumatically retractable, 70 mm high

Each with 3 in Y axis and 1 in X axis (left and right)

STOP MONITORING

5027781

Stop monitoring for 2 fences / 1 stop

Safety device to prevent damage of the stops.

+ 4 x 2 Anschlags-überwachung

VACUUM UNITS

5042280

Vacuum pump 500 m³/h dry running 400

MACHINE ELECTRICAL

5002773*

Heat exchanger

To cool the control cabinet in ambient temperatures up to 35 °C

5008984

Uninterruptible Power Supply - UPS

The UPS is a backup power system which in the event of a sudden voltage drop (e.g. caused by a power failure) ensures that the computer still has enough power to end the operating program properly.

SAFETY OPTIONS

Safety enclosure to CE standard

Side and rear safety fence

Selective safety mats (3-field division)

Maintenance-free safety mat operation with safety evaluation device

5044280

Operator safety by **additional light barriers** in the loading area of the lifting table. Only in conjunction with 3-field safety mats and the optional lifting table. This secondary safety zone will be activated together with the left field of the safety mat.

LOADING

Loading with lifting table

5030201

Lifting table for front loading (AUT 11)**Lifting table 6250 x 2200 mm**

Heavy duty scissor lifting table With fenders for alignment of panel stacks

Measurement system for panel height at table

Security fence on the side and back

5030451

Roller conveyors for DYNESTIC 7521

connection between lifting table and machining table

AUTOMATION

5027625 / 8 pc.

Pull-in device mounted to gantry

For DYNESTIC 7521 (AUT2)

With 8 each suction cups for removing panels and automatic transport to processing table

5026064

Discharge pusher on moving stands, controlled

For DYNESTIC 7521 (AUT 6)

Including simultaneous vacuum evacuation on wear plate during discharge with 1 each dust ducts, Ø 250 mm. Incl. under floor dust extraction, dust collector at the end of the table with 2 each dust ducts, Ø 80 mm

5034424

20' - Fence pneumatically liftable

at front edge of the machine table.

Also ideal for pushing safely little workpieces.

DISCHARGE TABLE

5026845

Discharge table, with conveyor (AUT 5) up to 7521 20.6

Including light barrier and dust extraction from below

EQUIPMENT VARIANTS AND ACCESSORIES

LUBRICATION

5040296

Automatic centralized lubrication

Automatic central lubrication unit, after defined lubrication intervals by additional sealing against dust by means of overpressure in each guide carriage

Simultaneous lubrication

for all linear guides in X, Y and Z axes

for all ball roller spindles in Y and Z axes

for all cutter spindles guides

for tool changer guides (except for pick-up tool changer)

5028493

"Cold Gun" cooling unit

For cooling workpieces / tools with air

Here compressed air is cooled down to 28° Celsius below the temperature of the air supplied and blown directly onto the tool as an air jet to reduce the heat.

PACKAGING and Transport

Standardverpackung

Maschine auf Palette oder Holzrahmen mit Folie umwickelt

KP ZF00

Transport

ZV01

Transportinsurance