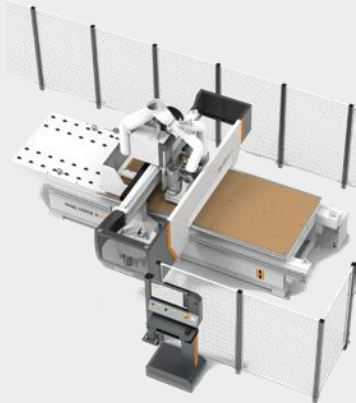


HOLZ-HER Panel Center N

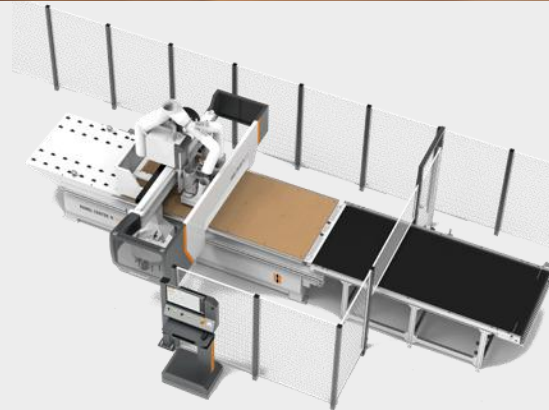
Your start into efficient nesting production

PANEL CENTER N 1228 | 1836 CLASSIC



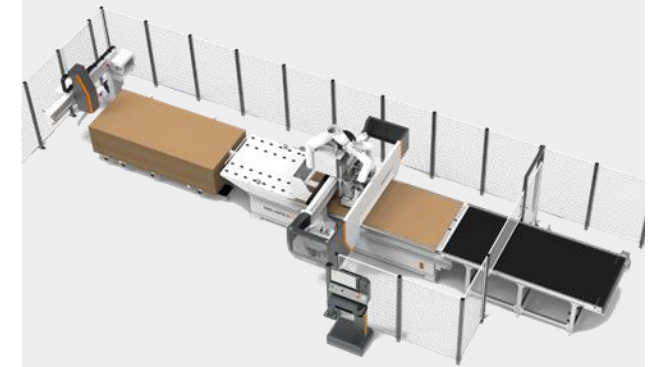
A versatile,
standalone nesting solution

PANEL CENTER N 1228 | 1836 PUSH



The push-off device ensures clean
and comfortable production

PANEL CENTER N 1228 | 1836 LIFT



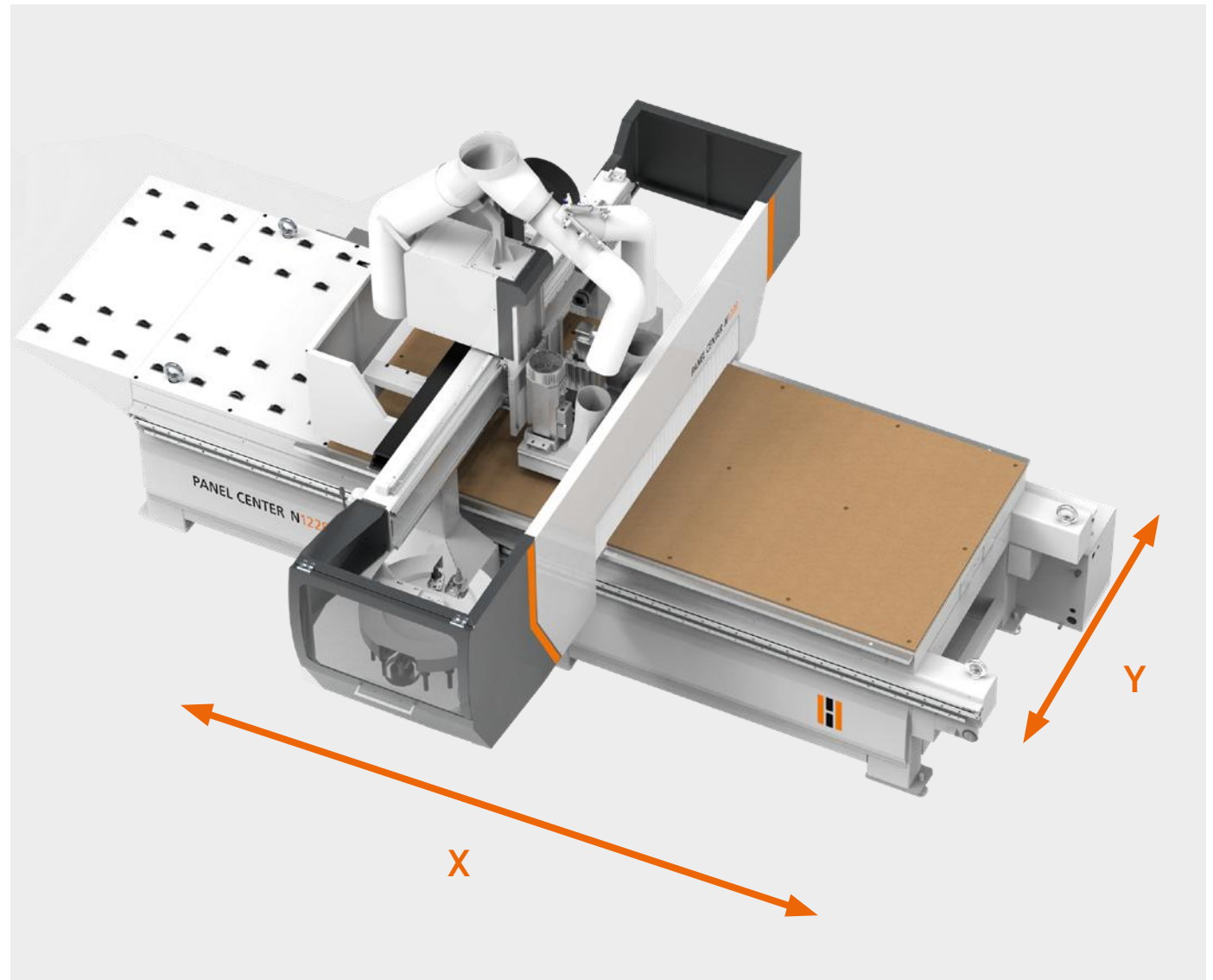
The highest level of automation
for maximum efficiency

WORKING SIZES

The Panel Center N is available in two sizes to fit standard material dimensions and ensure maximum flexibility and minimal layout space. With a combined vector speed of 101 m/min, efficient production is possible even at high volumes.

	X	Y	Z
1228	2800 mm	1245 mm	*40 mm
1336	3600 mm	1840 mm	*40 mm

*Measured from the top of a 20 mm spoil board



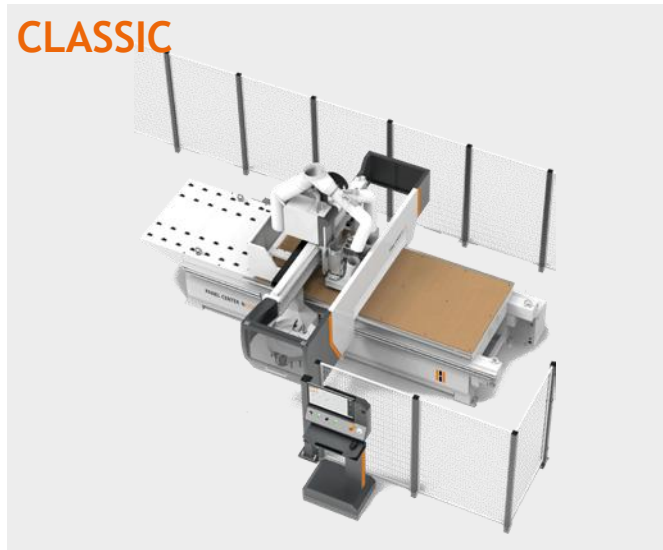
MACHINE TYPES AND VARIANTS

Extend. Automate.
Increase productivity.

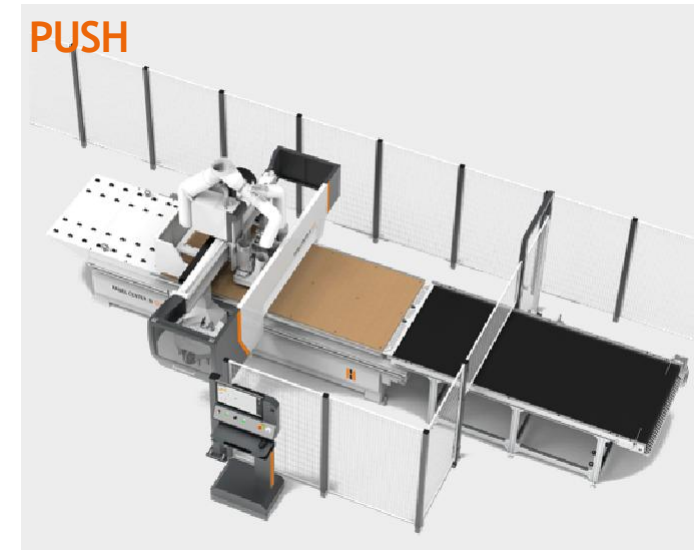
The Panel Center N base model classic comes with all the necessary electrical wiring, interfaces, and power plugs for integrating automation modules. This protects your investment and ensures long-term flexibility. You can easily increase automation without modifying the machine.

Depending on your automation needs, you can extend the Panel Center N 1228 | 1836 with additional modules. The base model is the classic version, a standalone Nesting Center with manual loading and unloading. For comfortable unloading, the push version is equipped with a push-off device and unloading table. For maximum automation and efficiency, you can add a lifting table and an optional automatic label printer to create an automatic, highly efficient nesting cell.

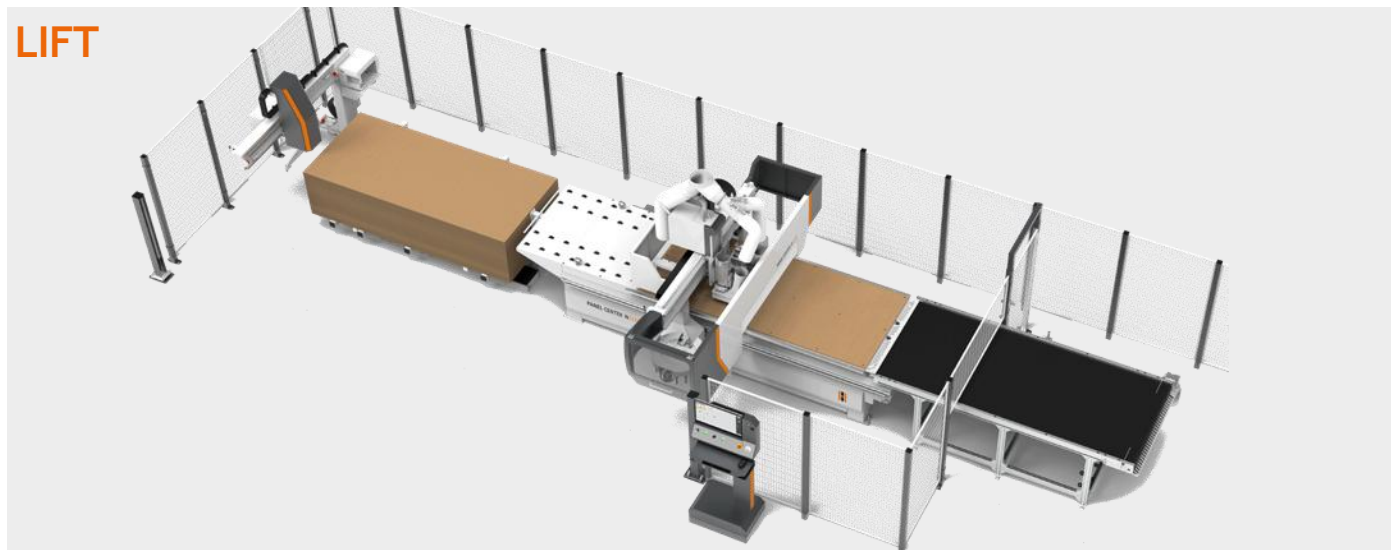
CLASSIC



PUSH



LIFT



PANEL CENTER N 1228 CLASSIC



- 1 12 kw spindle, HSK
- 2 9 vertical drilling spindles
- 3 Solid gantry design
- 4 16-position rotary tool changer

- 5 Multi-field vacuum, software-controlled
- 6 Flexible software packages
- 7 Movable control panel

TECHNICAL DATA

Space-saving and versatile standalone solution, ready to grow with your needs!

	PANEL CENTER N 1228 CLASSIC
Machining dimensions in X / Y	2800 mm / 1245 mm
Max. machining high (without wear plate)	60 mm
Vector Speed	101 m/min
Milling spindle	12 kW / 24.000 rpm
Drilling unit	9 spindles (5 in X 4 in Y)
Tool Changer	16-fold (rotary)
Vacuum table	Multi-circuit vacuum system
Vacuum pump	250 m³/h
Safety options	Light barriers
Unloading conveyor	retrofit ready
Lifting table	retrofit ready
Automatic Label printer	retrofit ready
CAD - Software	External, via Post-processor



This technical data represents guideline values . We reserve all rights to make changes in the design and equipment, because HOLZ-HER machines are subject to continuous development. Images may vary from actual equipment. Some machines include special equipment not included in the standard scope of delivery. For clarity, some of the machines are shown without protective hood.

Standard
 Optional

PANEL CENTER N 1228 PUSH



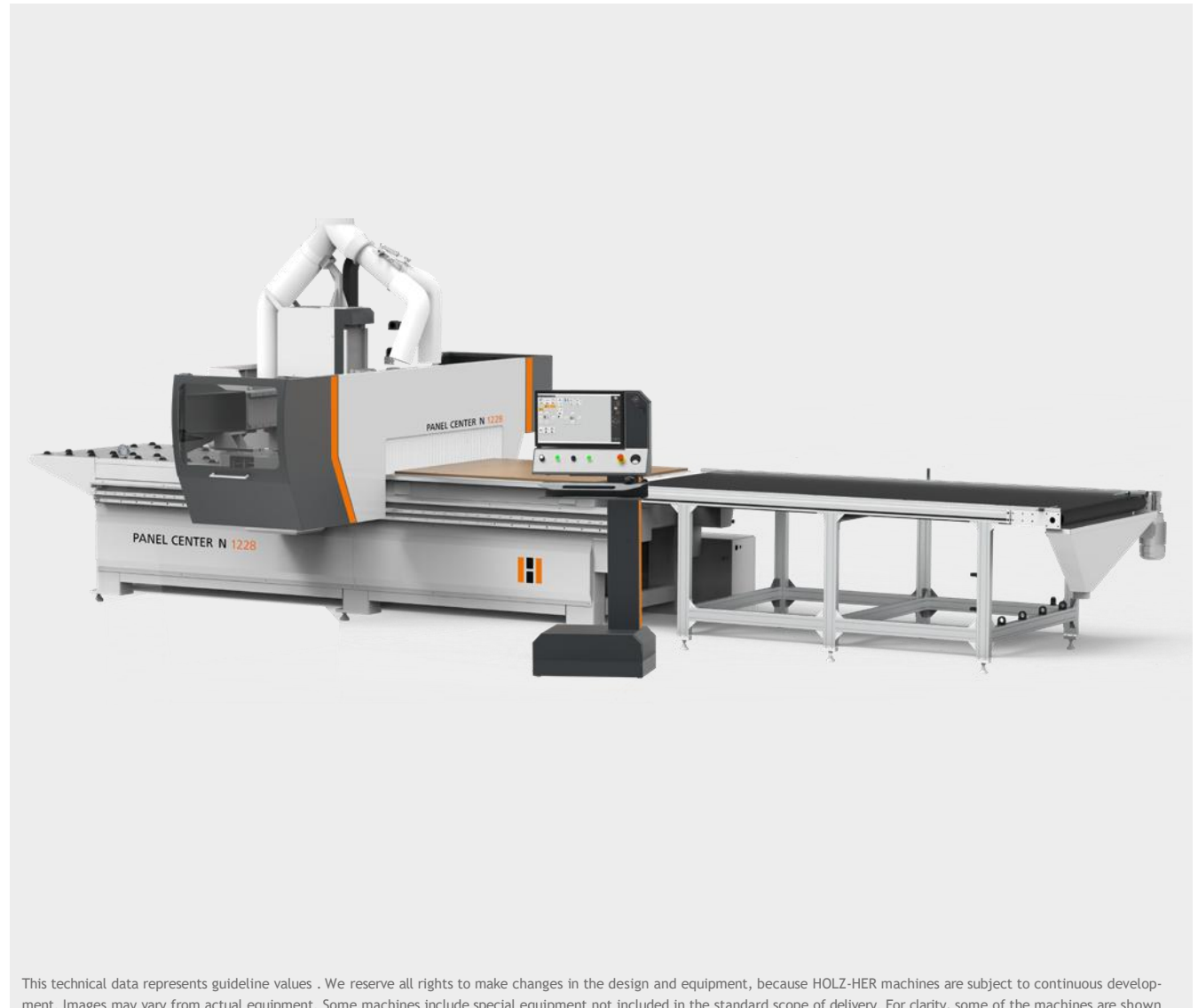
- 1 12 kw spindle, HSK
- 2 9 vertical drilling spindles
- 3 Solid gantry design
- 4 16-position rotary tool changer

- 5 Multi-field vacuum, software-controlled
- 6 Flexible software packages
- 7 Movable control panel
- 8 Unloading conveyor belt

TECHNICAL DATA

Space-saving and versatile standalone solution, ready to grow with your needs!

	PANEL CENTER N 1228 PUSH
Machining dimensions in X / Y	2800 mm / 1245 mm
Max. machining high (without wear plate)	60 mm
Vector Speed	101 m/min
Milling spindle	12 kW / 24.000 rpm
Drilling unit	9 spindles (5 in X 4 in Y)
Tool Changer	16-fold (rotary)
Vacuum table	Multi-circuit vacuum system
Vacuum pump	250 m³/h
Safety options	Light barriers
Unloading conveyor	Standard
Lifting table	retrofit ready
Automatic Label printer	retrofit ready
CAD - Software	External, via Post-processor



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Standard
 Optional

PANEL CENTER N 1228 LIFT



- 1 Automatic labeller (optional)
- 2 Lifting table
- 3 Flexible software packages
- 4 Lifting table
- 5 Movable control panel

- 6 12 kw spindle, HSK
- 7 9 vertical drilling spindles
- 8 16-position rotary tool changer
- 9 Multi-field vacuum, software-controlled
- 10 Unloading conveyor belt

TECHNICAL DATA

Space-saving and versatile standalone solution, ready to grow with your needs!

	PANEL CENTER N 1228 LIFT
Machining dimensions in X / Y	X 2800 mm Y 1245 mm
Max. machining high (without wear plate)	60 mm
Vector Speed	101 m/min
Milling spindle	12 kW / 24.000 rpm
Drilling unit	9 spindles (5 in X 4 in Y)
Tool Changer	16-fold (rotary)
Vacuum table	Multi-circuit vacuum system
Vacuum pump	250 m³/h
Safety options	Light barriers
Unloading conveyor	Standard
Lifting table	Standard
Automatic Label printer	retrofit ready
CAD - Software	External, via Post-processor

Standard
 Optional



This technical data represents guideline values. We reserve all rights to make changes in the design and equipment, because HOLZ-HER machines are subject to continuous development. Images may vary from actual equipment. Some machines include special equipment not included in the standard scope of delivery. For clarity, some of the machines are shown without protective hood.

NESTING TECHNOLOGY

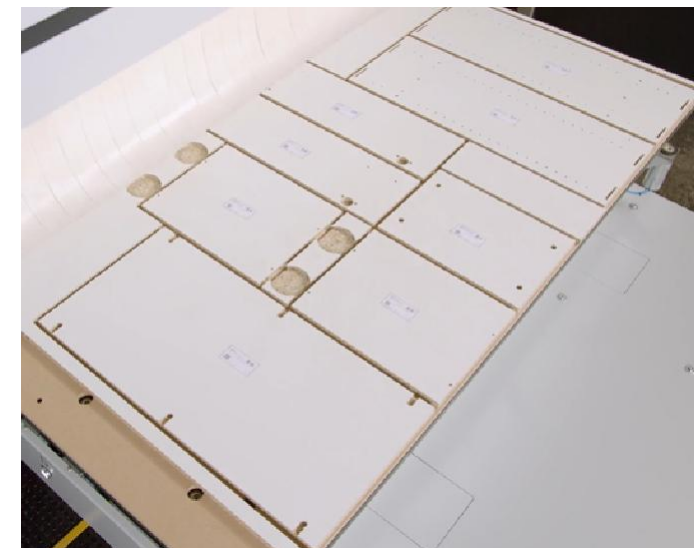
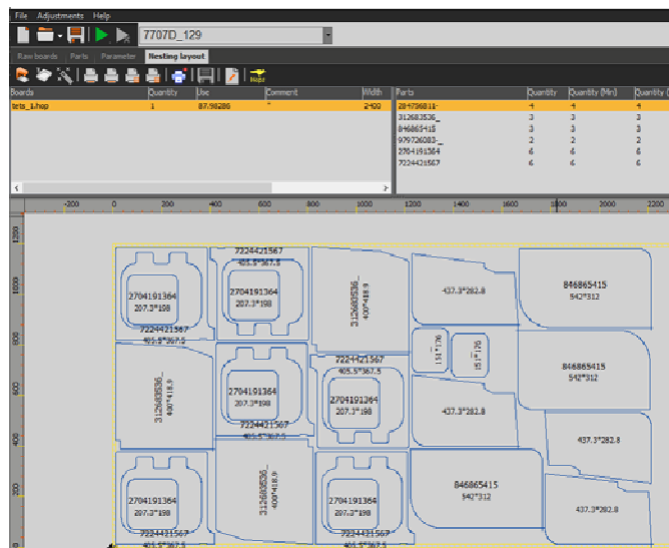
HOLZ-HER's nesting technology allows you to efficiently format and drill with one machine.

The panel material is held on a spoil board using full surface vacuum. The big advantage of this machining process is the creation of precisely formatted workpieces that already have a back cover groove or fold and all the necessary vertical holes for shelves, connectors, etc.

Above all, the entire process takes place without any additional handling effort and is therefore extremely time and resource efficient. However, the key component in nesting is a software solution that is fully integrated into the machining process.

In addition to pure rectangular nesting, CAD/CAM systems connected to HOLZ-HER also offer a free-form solution for individual external contours.

With versatile import options for a wide range of nesting modules, it makes the Panel Center series a highly productive and easy-to-operate nesting cell.



MACHINE CONTROL

The Panel Center N 1228 is equipped with a movable operator control panel featuring a modern, high-performance PC and a large 21" screen for streamlined machine interaction.

The 21" widescreen (16:9 format) enables fast and smooth navigation through menus, programs, and diagnostics. Integrated wireless keyboard and mouse included.

Mounted on a pedestal for ideal positioning during setup, operation, or maintenance.

Runs on Windows 11 IoT LTSC with hardware (Intel Core i3, SSD, 8 GB RAM) to ensure fast boot-up, stable performance, and long-term software compatibility.



GANTRY DESIGN

The Panel Center N 1228 & 1836 both feature a heavy-duty gantry construction with dual-drive technology, engineered for precise, dynamic, and synchronized motion along the full working width.

Dual servo motors on both gantry sides eliminate torsion and ensure balanced, accurate bridge movement. Helical rack and pinion drives on the X-axis guarantee smooth, quiet operation with continuous tooth engagement for superior surface finish and reduced wear.

Ball screw spindles on Y and Z axes enable fast, backlash-free positioning for vertical and transverse movements. All axes run on hardened precision linear guideways, ensuring exact travel, minimal friction, and long-term reliability.



HIGH-FLOW NESTING TABLE

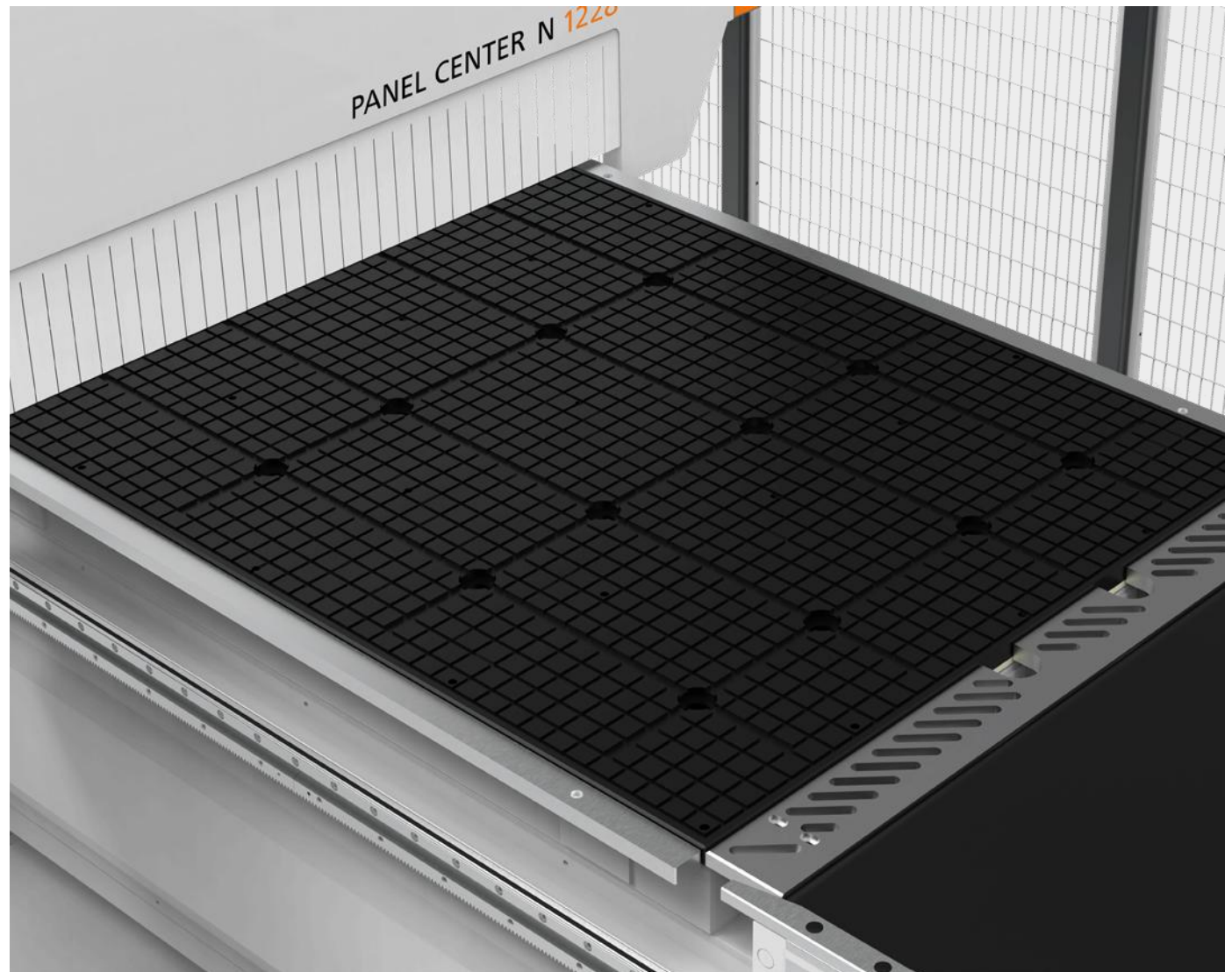
In the nesting process, the panel material is held on a spoil board via full surface vacuum.

It is essential that the separated components do not slip. We therefore use a small grid dimension of 50 mm for the matrix table, which is located under the spoil board.

This guarantees a good flow of vacuum over the entire table surface and ensures that the workpieces are held in place.

Especially for changing panel sizes, but also for secondary processing, the machine comes standard with a multi-circuit vacuum system.

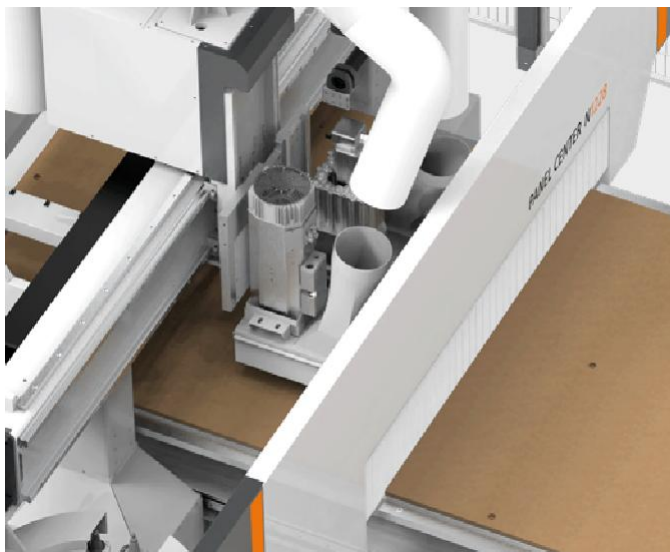
The vacuum fields, which operate separately from each other, are automatically switched individually under software control and the vacuum is applied to one or more fields of the machine table.



MAIN SPINDLE

Powerful and reliable

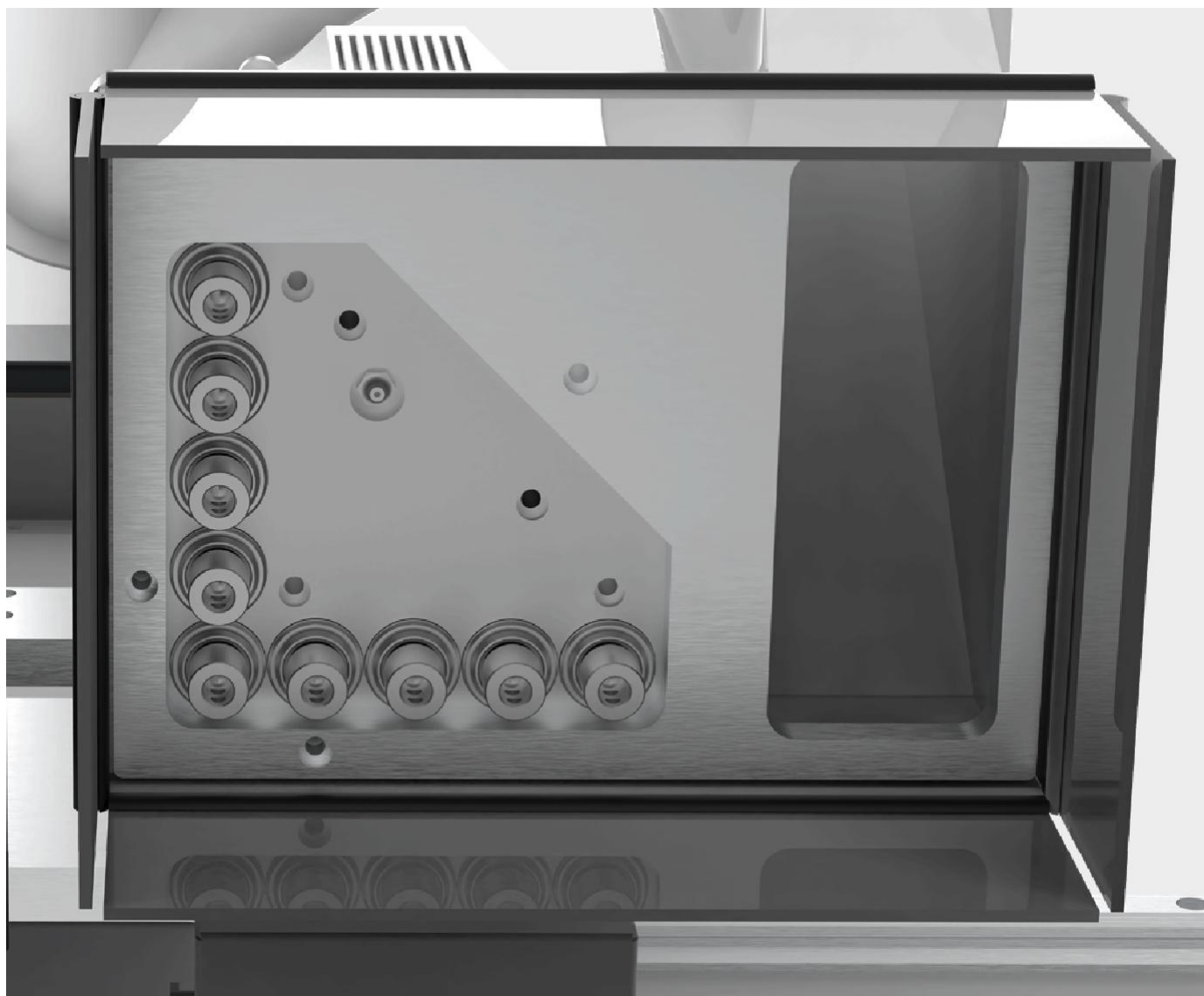
- High-performance 12 kW/ 16 HP spindle (S6/40 duty cycle)
- Speed range: Infinitely variable from 1,000 to 24,000 rpm
- Optimal cutting performance between 12,000 and 18,000 rpm
- Air-cooled design for high-duty cycles and continuous operation
- HSK-F63 tool interface (optional)
- Hybrid ceramic ball bearings for minimal friction, extended service life, and low noise levels
- Maximum tool weight: 6 kg (including holder)
- Cutting, grooving, and sanding tools up to \varnothing 160 mm



DRILLING UNIT

High-throughput production

- Powerful drilling unit, operating at up to 3.200 rpm with variable frequency control
- 9 vertical drilling spindles, individually selectable for flexible boring operations
- L-shaped configuration: 5 spindles in X-axis direction, 4 in Y-axis, spaced at 32 mm centers
- Designed for high-speed line drilling, hinge drilling, and dowel holes
- Drilling diameter up to 35 mm, with maximum drill length of 68 mm
- Spindle lift stroke: 68 mm with alternating clockwise and counterclockwise rotation for clean, splinter-free bores

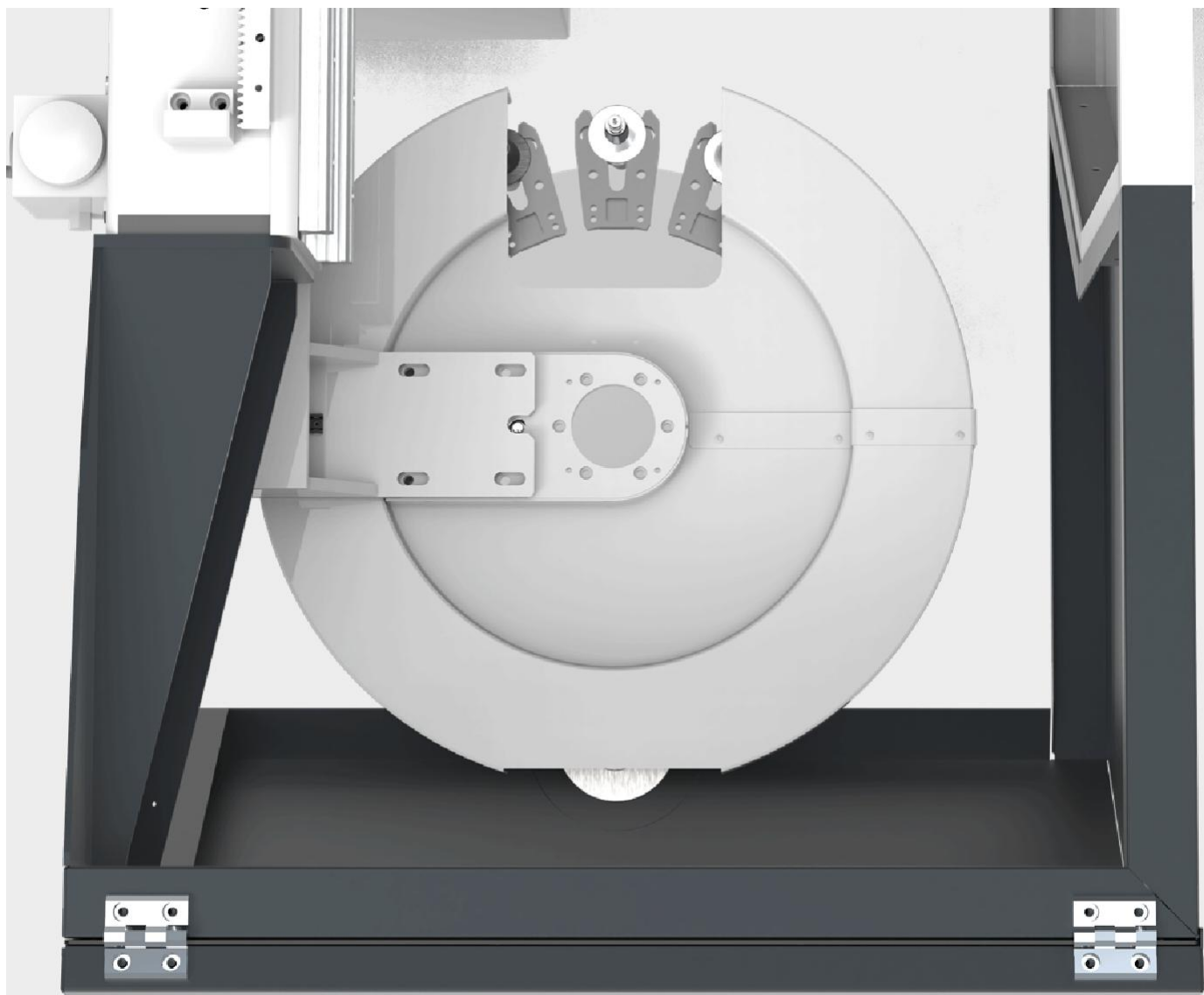


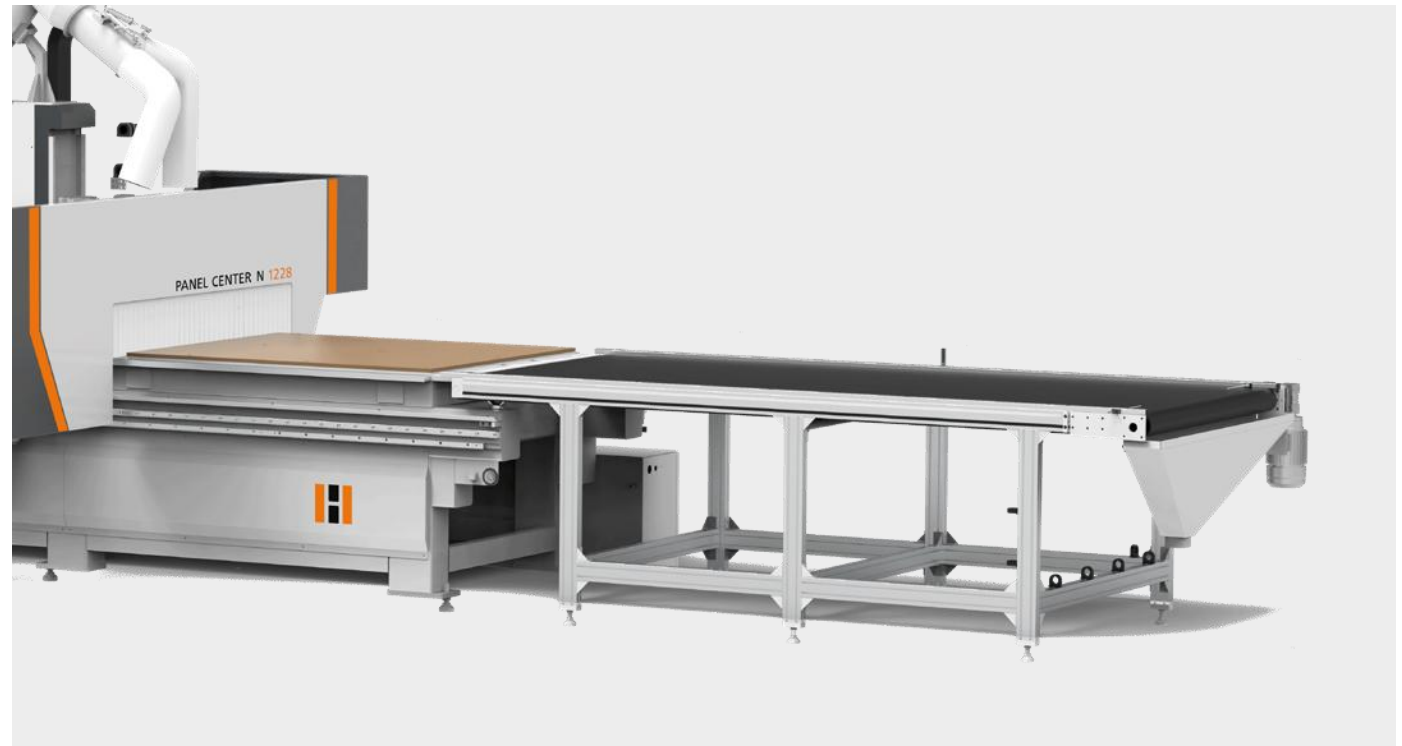
TOOL CHANGER

Fast, Intelligent,
High-Capacit

The machine features a dust-protected, 16-position, disc-style, pneumatically liftable rotary tool changer that is fully integrated into the machine head.

Its smart positioning close to the main spindle ensures extremely short tool-change times and minimizes non-productive time during machining cycles.

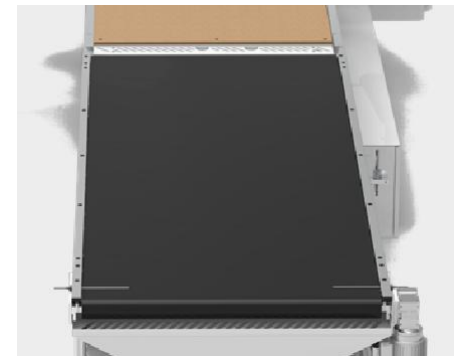
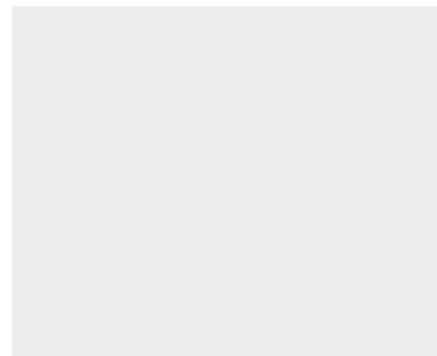
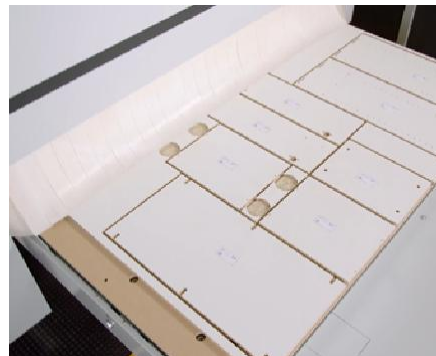


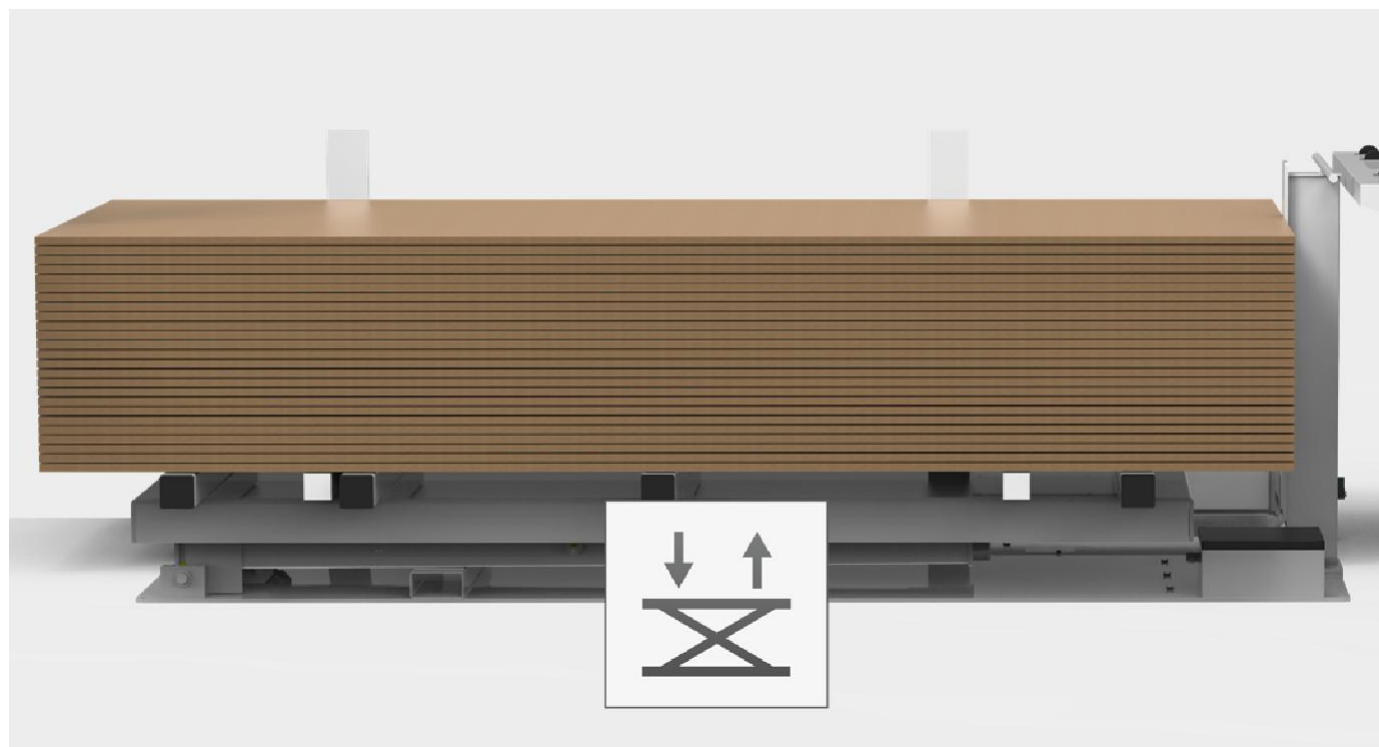


AUTOMATIC UNLOADING CONVEYOR BELT

An integrated motorized outfeed conveyor smoothly removes finished parts from the working area, reducing manual handling and increasing productivity.

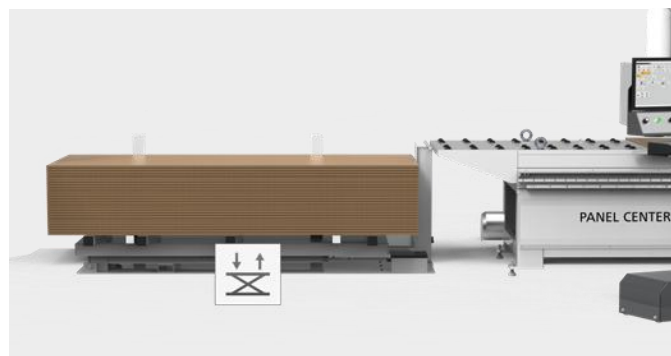
The conveyor is designed for scratch-free, damage-free part transport, ready for downstream operations or immediate packing.





LIFTING TABLE

A heavy-duty scissor-lift table automatically loads raw boards onto the machine, perfectly synchronized with the Power Label system. It minimizes operator strain and speeds up production cycles, especially in high-throughput environments.

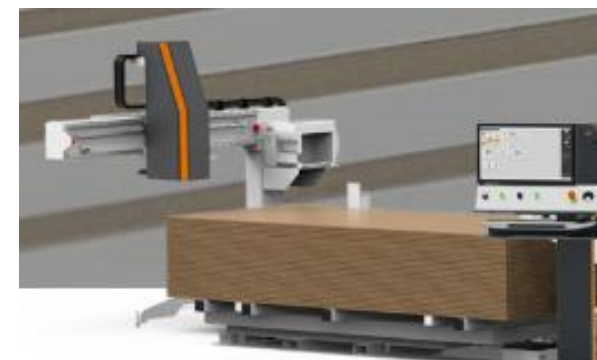




AUTOMATIC LABELLER

Prints and applies labels to panels before machining, ensuring parts can be clearly identified during assembly.

The system is seamlessly integrated with the nesting software, boosting accuracy and eliminating sorting errors.



ROTARY VACUUM PUMP DRY RUNNING

Maximum durability and
extremely long service life

- Excellent efficiency
- Low energy consumption



CAD/CAM SOFTWARE CONNECTION

All-in-one design-to-production workflow: Combine cabinet and furniture design, nesting optimization, and G-code generation in a single platform.

- **Quick launch & local support:**
Start in days, not weeks, with expert training and flexible subscription models in Australia.
- **Advanced CNC capabilities:**
True-shape nesting, flipside machining, automatic hardware boring, dovetail drawers, and G-code with free post-processors.
- **Scalable options:**
Upgrade as needed—for job scheduling and multi-machine control.
- **Powerful nesting & optimization tools:**
Reduce material waste and cut costs.
- **Integrated labelling & customization:**
No CAD experience needed, plus a three-month trial and one-on-one setup.



CABINET VISION - COMPUTED-AIDED MANUFACTURING

CABINET VISION - COMPUTED-AIDED MANUFACTURING



MOZAIK MANUFACTURING / CNC / ENTERPRISE



FAQ - FREQUENTLY ASKED QUESTIONS

What makes the Panel Center N 1228 different from other entry-level CNC machines?

The N 1228 is engineered to deliver industrial-grade performance at an entry-level investment. It combines a robust steel chassis, absolute encoder drives, multi-position tool changer, multi-spindle drilling, and a precision vacuum table — features typically reserved for higher-end models. It also offers open software integration, allowing you to use established CAD/CAM systems rather than being locked into proprietary software. In short: you get a high-performance, scalable nesting platform without paying for unnecessary premium features.

How is software integration handled? Will I be locked into a proprietary system?

No — the N 1228 is designed for open software docking. It is compatible with standard CAD/CAM software (Cabinet Vision, Mozaik, AlphaCam, DDX) via G-code and an OSAI-compatible postprocessor. We will assist you in integrating the machine into existing workflows without being forced into a closed software environment. We can also assist in recommending the most suitable CAD system for your needs and configuring postprocessors where needed.

Can I upgrade the machine later (automation, conveyors, lifting tables)?

Yes. The N 1228/1836 is built with upgradeability in mind. You can add automation features such as lifting tables, offloading conveyors, labeling systems (Power Label) later as your volume grows. This allows lower initial investment with a clear growth path.

What throughput (parts per hour or panels per hour) can be expected?

Throughput depends heavily on part geometry, cutting strategies, material, toolpaths, and operator workflow. In typical use, the 12 kW spindle at 24,000 rpm, multi-spindle drilling, fast tool changes, and optimized vacuum zoning allow competitive nesting throughput in its class. During demos and pilot runs, we simulate customer-specific jobs and provide expected throughput numbers to validate performance before purchase.

How precise and repeatable is the machine?

The machine uses absolute encoder drives and a precision-milled vacuum matrix table to deliver tight positioning and repeatability. The multi-zone vacuum table ensures consistent clamping pressure across varying part sizes, minimizing distortion and maintaining consistent quality even when processing many small parts.

What happens in case of failure or downtime - how quickly can support respond?

Since we hold spare parts in regional hubs (USA, CAN, UK, AUS) and work with a localized distribution and service network, typical spare parts shipments can often be fulfilled within 1-3 business days (depending on your location). Our trained service technicians are your first line of support, and we offer remote technical assistance, plus emergency spares if needed. We also encourage preventive maintenance programs to reduce downtime risks.

What support is available for commissioning, training, and servicing?

HOLZ-HER provides initial commissioning and training at a competitive rate. As a rule, the installation is already included in the total price of the machine. After that, our extensive service and after-sales organization takes care of routine maintenance and support. We provide comprehensive technical documentation, training materials, spare parts lists, and remote assistance to ensure optimal support throughout the entire lifecycle of the machine.

What are the warranty terms and spare parts support?

We provide a 12-month warranty on single-shift operation. Spare parts are held in regional hubs, enabling swift access and reduced waiting times. Extended service contracts can be arranged locally for enhanced protection beyond the first year.

FAQ - FREQUENTLY ASKED QUESTIONS

What is the delivery time and availability?

We usually try to keep this machine model as part of our stock program, to ensure short-term availability. In case we encounter higher demand, the estimated delivery time will be 12-16 weeks from order confirmation.

How reliable is a machine produced in Vietnam?

The machine is manufactured by a strategic partner in Vietnam under strict HOLZ-HER quality, design, and inspection protocols. All critical components (motors, drives, electronics, spindles) conform to global industrial standards. Further, HOLZ-HER /Weinig's long experience in global manufacturing and quality assurance ensures the machine meets the same performance benchmarks expected of European-built systems.

What training or expertise is required to operate the machine?

An operator familiar with CNC machining is sufficient; the interface is designed for accessibility. For setup, toolpath generation and postprocessing, familiarity with common CAD/CAM software is beneficial. HOLZ-HER provides initial training covering machine operation, maintenance, troubleshooting, and software integration to bring your team up to speed.

