

Nesting. All in one.

HE HOMAG

Our CNC-Gantry Processing Center
CENTATEQ N-600

YOUR SOLUTION







The CENTATEQ N-600 – Dividing. Cutting. Drilling. Setting.

Our CNC processing centers today already offer technology of the future. And with good reason: Tradition. »Made in Germany« is our motivation and our commitment. Customers the world over associate this quality seal with the very highest standards. And we meet those expectations.

The typical application areas of nesting:

- Creating components for carcass furniture
- Dividing and refining of furniture fronts
- Processing of frame furniture
- Creating components for the caravan sector and structural-facings sector
- Various possibilities for the automation of the material handling ensure a high time saving and more effective work.

MORE: HOMAG.COM



CENTATEQ N-600

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CENTATEQ N-600 – The compact nesting machine in gantry design

Our nesting machines enable cutting-optimized processing and dividing of plateshaped materials. We divide the typical nesting areas into four areas. The classic areas of nesting can be divided into carcass processing, cutting and finishing of furniture fronts, processing for modular furniture production as well as “advanced materials” (e.g. Plexiglas, aluminum, Alucobond). Various possibilities for the automation of the material handling ensure a high time saving and more effective work.



Advantages of the CENTATEQ N-600:

- 7 levels of automation enable a perfect production process
- 3-, 4- or 5-axis processing for your entire processing portfolio
- Everything in a single machine: nesting and hardware insertion
- Intelligent optimization software such as intelliDivide and Cut Rite
- Labeling/workpiece identification





Insertion technology meets CNC processing center

Selling over 100 drill and insertion machines every year, HOMAG leads the market with expertise in inserting different connectors, fixtures or hinges into panel-shaped materials. We put this experience to use in CNC processing centers and offer a combination of drilling, trimming and insertion in a single machine.



CENTATEQ N-600 – taking these new features into the future

Our machines offer a wide range of options. With 7 levels of automation, 3-, 4- or 5-axis processing with different performance levels, various high-speed drilling gears and the positioning of flush connectors, nothing is left to be desired. Simply ask us and we will develop a tailored solution for you.



Which connector technology do you work with?

The new 5-axis technology with unit interface or our tried-and-tested 4-axis unit with FLEX5 interface make it possible to produce miter cuts and, for example, Clamex processing in a reliable and precise process.



DRIVE5CS with unit interface

The smart DRIVE5CS 5-axis head – compact design with short force paths. A lot of technology in a small space with no processing limitations. Liquid-cooled spindles with 10 kW (optional 12 kW trimming power) for high-power work. The short design creates more space for processing (e.g. with a 350 mm saw blade).



IntelliDivide – optimized plate layout

Along with the optimization of panel dividing saws, the latest online optimization is now available for the nesting machine at all times. HOMAG lets you use the same software package for different machines.



New labeling terminal on outfeed conveyor

To improve the efficiency of manual labeling and stacking on the outfeed transport conveyor, we now offer an ergonomic and mobile system.



Labeling made easy

Individual labels can be reprinted if required.



Robotized destacking

Do you need things to be more automated? With the new control system and data structure, you can upgrade your machine gradually, right up to the point of 100% automated production.

CENTATEQ N-600 – Highlights as standard



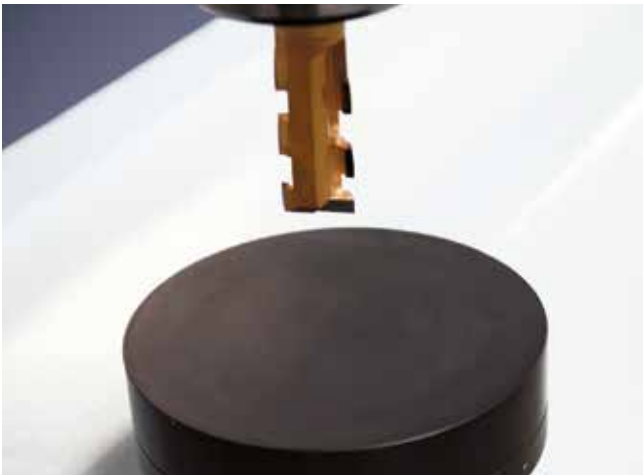
Synchronous drive

- 2 synchronized digital servo-drives in X-direction guarantee highest processing quality



Tool pick-up station

- Folding transfer station at the front of the machine for efficient set-up



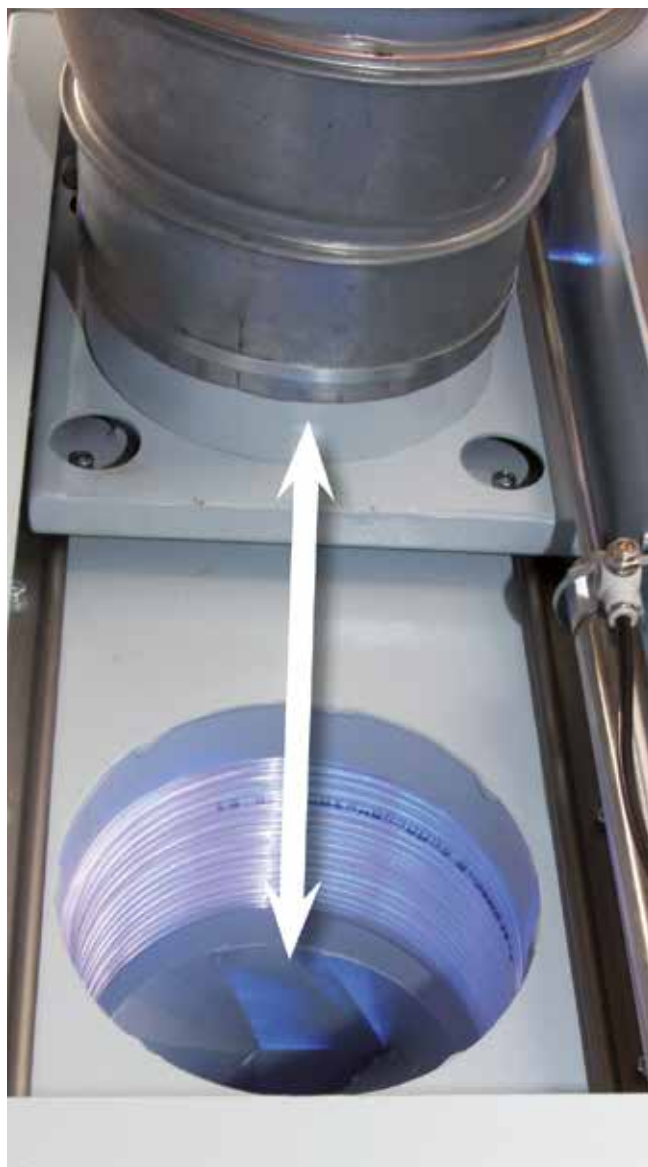
Tool length control

- Following the tool change a tool length control is carried out and compared with the integrated tool data file



Tool changing system

- 14-fold tool changer moving in X-direction
- Tool pick-up station

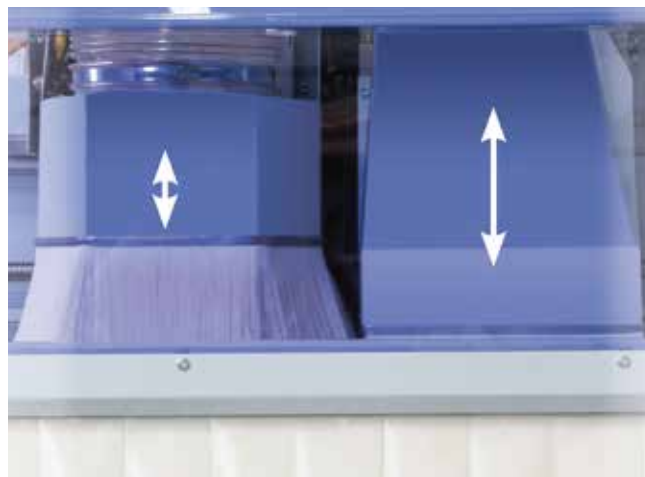


Program-controlled extraction connection

- For an optimum dust extraction and economic use of extraction energy (ecoPlus)

Other highlights

- Sealed »long-life« linear guiding system
- High acceleration
- Vector speed X/Y 130 m/min
- The whole working field is reachable with all processing tools
- Electronic surveillance of all stops
- Efficient use of energy through high vacuum performances and simultaneously minor power consumption



2 CNC-controlled Z-axes in combination with drilling block

- Optimal dust extraction and bigger operative range for processing units
- Weight distribution of the mass (processing units) to the two Z-axes = more stability, higher processing quality

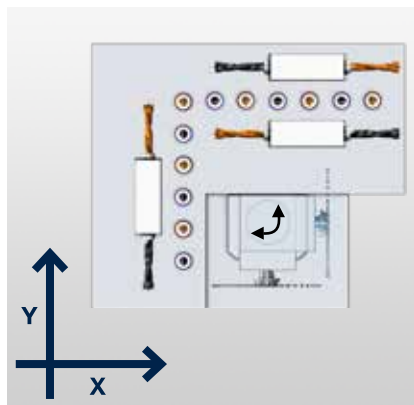
Options

WOULD YOU LIKE SOMETHING EXTRA? Our options provide all opportunities for a perfect adjustment of your nesting machine to your requirements.



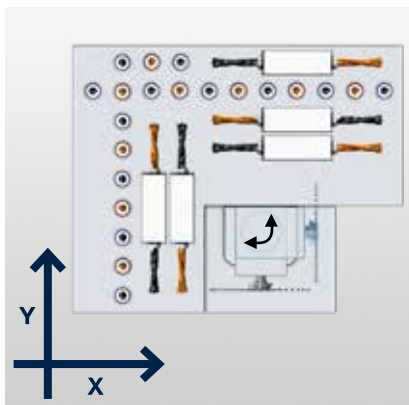
Choose your processing unit

- Routing spindle (10 or 13.2 kW)
- C-axis with FLEX5 interface
- DRIVE5CS with vibration sensor and unit interface



Bohrgetriebe V12/H4X2Y

- 18 drilling spindles [High-Speed 7500]
- 12 vertical drilling spindles
- 4 horizontal drilling spindles in X
- 2 horizontal drilling spindles in Y
- Grooving saw Ø 125 mm (0° / 90°)



Drilling gear V21/H6X4Y

- 31 drilling spindles [High-Speed 7500]
- 21 vertical drilling spindles
- 6 horizontale Bohrspindeln in X
- 4 horizontale Bohrspindeln in Y
- Grooving saw Ø 125 mm (0° / 90°)



High-Speed 7500

- Spindles with 1500 - 7500 RPM incl. the patented quick change system



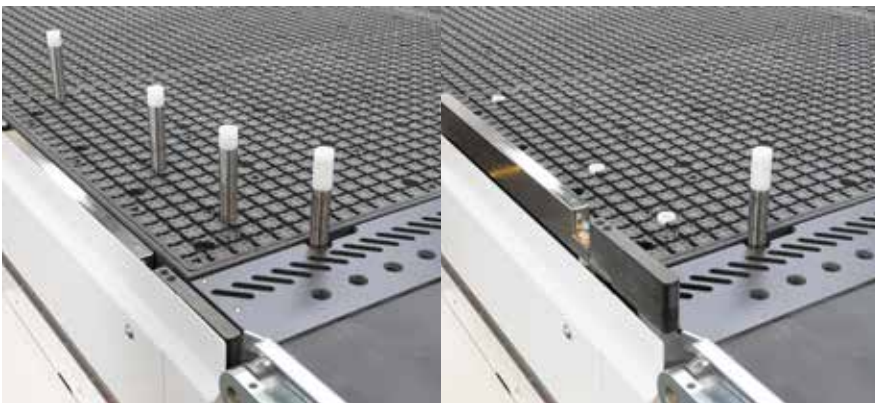
Vacuum lever for raw panel positioning

- For automatic positioning of the raw panels against the fence guide



Additional tool change system

- Piggyback tool change system in X-direction. 14 or 28 slots are available depending on requirements.



Our stop systems

- Pneumatically lowerable aluminum stop cylinder for a high level of automation
- Additional stop cylinders in the table for 5-axis processing or processing on vacuum cups



Clamping elements

- Different clamping elements available as option



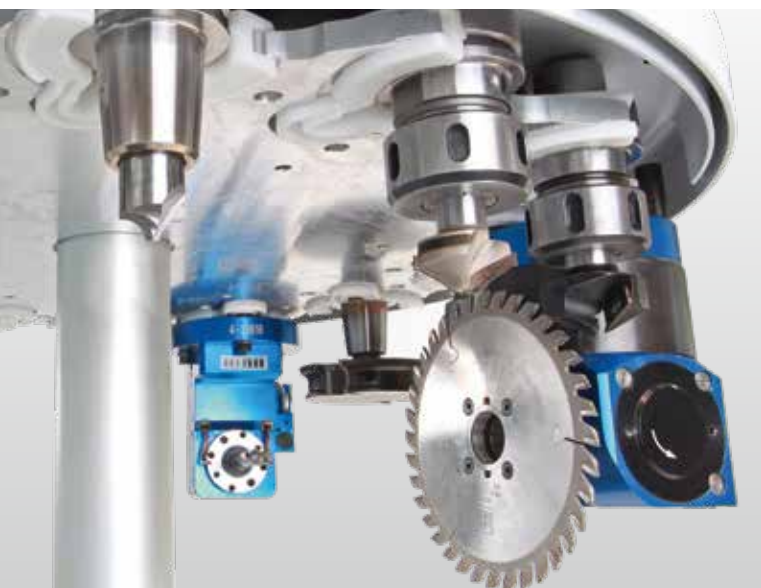
Tool box »STARTER KIT«

- Top equipment – from the very start



Barcode connection

- Barcodescanner / -software
- Supported barcodes:
1D – Barode,
2D – Data Matrix Code
- Every workpiece is exactly identified for the further workpiece flow



Processing unit technology

INNOVATION. PRECISION. PASSION. Over 20 years of experience in the development of units are reflected in the advanced stage of today's unit engineering. The HOMAG units are distinguished by their extreme rigidity, outstanding precision and stability.



C-axis (0-360°) for the use of units



Extension to FLEX5
consisting of FLEX5 interface
and FLEX5 unit



Sawing
350-series saw blade



Setting fixtures
Cabineo unit

High Performance units ensure optimum lubrication of gear components for prolonged operations.



HIGH PERFORMANCE
Drilling/Sawing/Routing



HIGH PERFORMANCE
Sawing Ø 220 mm



HIGH PERFORMANCE
Planing unit | Tool diameter
max. 120 mm



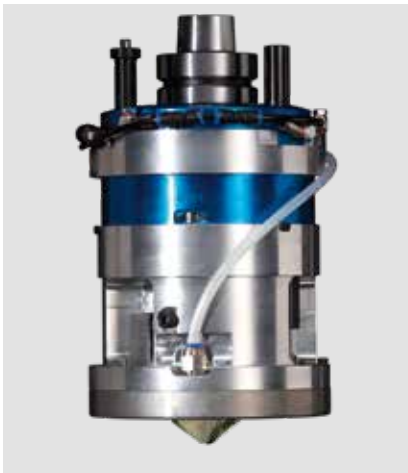
Drilling/Routing/Sawing
2 spindles
(also available as HIGH PERFORMANCE unit)



Drilling/Sawing
swivelling (0° - 90°), Ø 180 mm
(also available as HIGH PERFORMANCE unit)



Routing
with 4-fold blowing nozzle



Tracing routing unit with tracing ring
Ø 70 mm | Ø 130 mm



Cutting unit
1 cutting blade | 10 mm cutting surface



Foil cutting unit
1 cutting wheel | Ø 75 mm



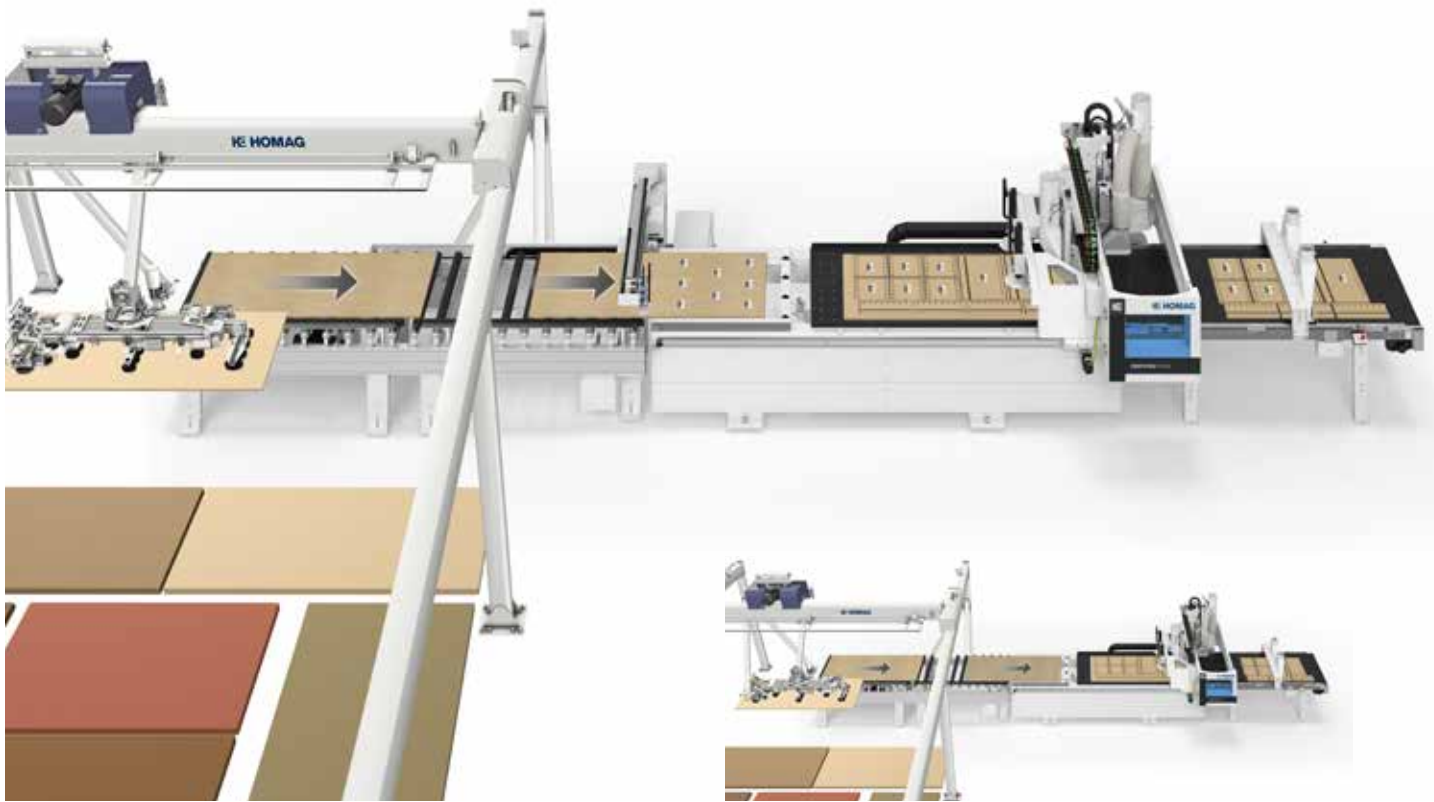
Drilling/Routing
swivelling cranked (0° - 90°),



Drilling
7 spindles, 25 mm raster



Fitting drilling head
3 spindles



Nesting concept 3R with storage

Nesting concept 2R with storage

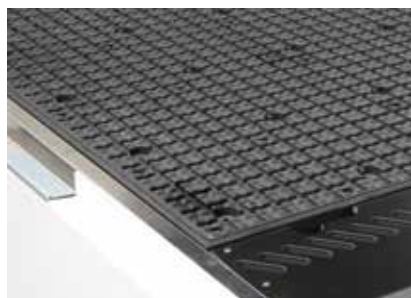
We have the solution for your nesting requirements!

With the HOMAG nesting solutions you are always well-advised. Whether the workpieces should be fed by hand, by lifting carriage or by storage – we have always the proper concept for your application. You wish to identify, for example, the workpiece flow exactly by barcode? No problem! With our plug & play features, we enable the successive expansion of the machine from concept 1 onwards.



Label printing system

- Automatic labelling of raw boards before processing
- Modular concept – plug & play (retrofitable)
- Fast – 60 m/s in X-direction



Air cushion function

- Optimal and smooth feeding of workpieces for easy handling



Infeed- and push-off function

- For simultaneous infeed of the raw material and push-off of processed workpieces



Basic machine with outfeed conveyor



Nesting concept 1



Nesting concept 2



Nesting concept 3

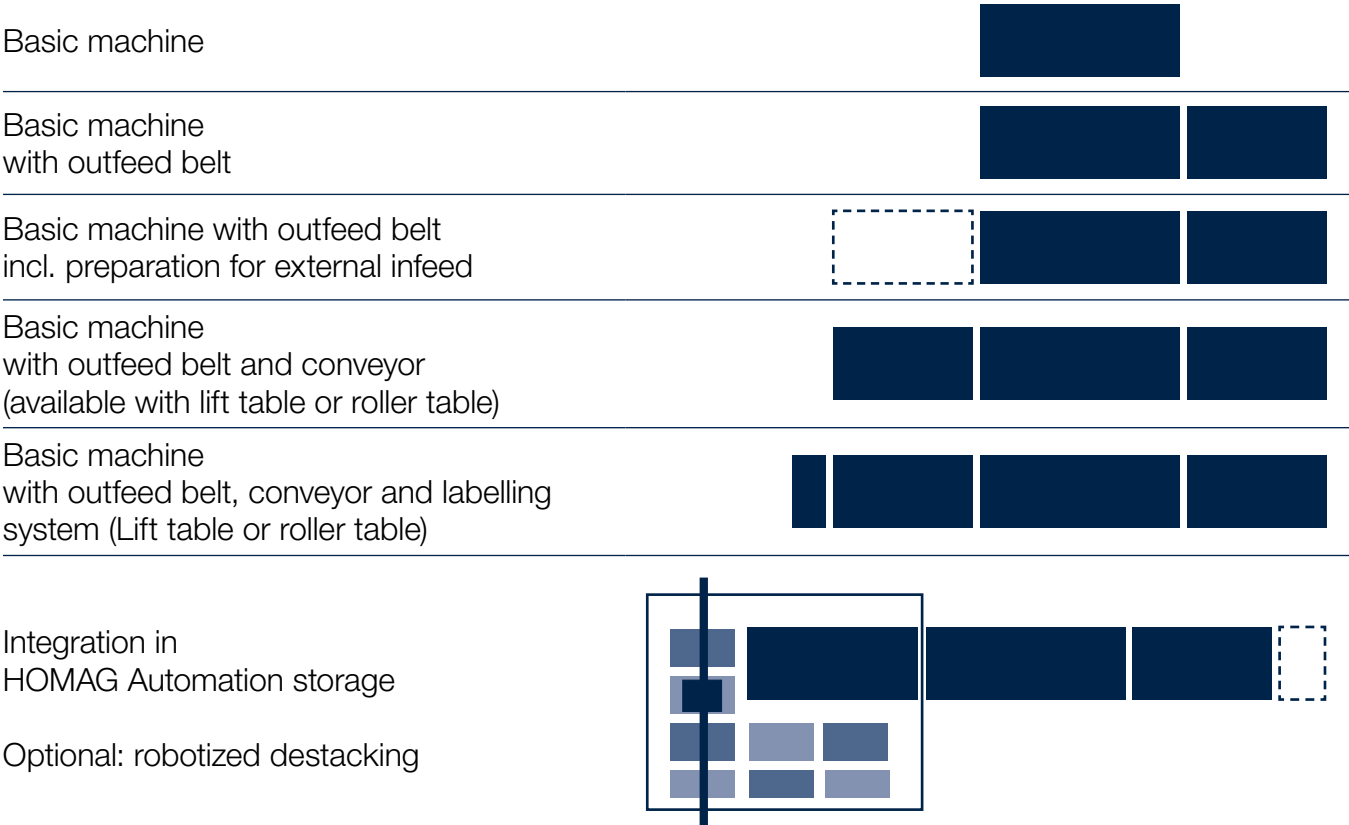


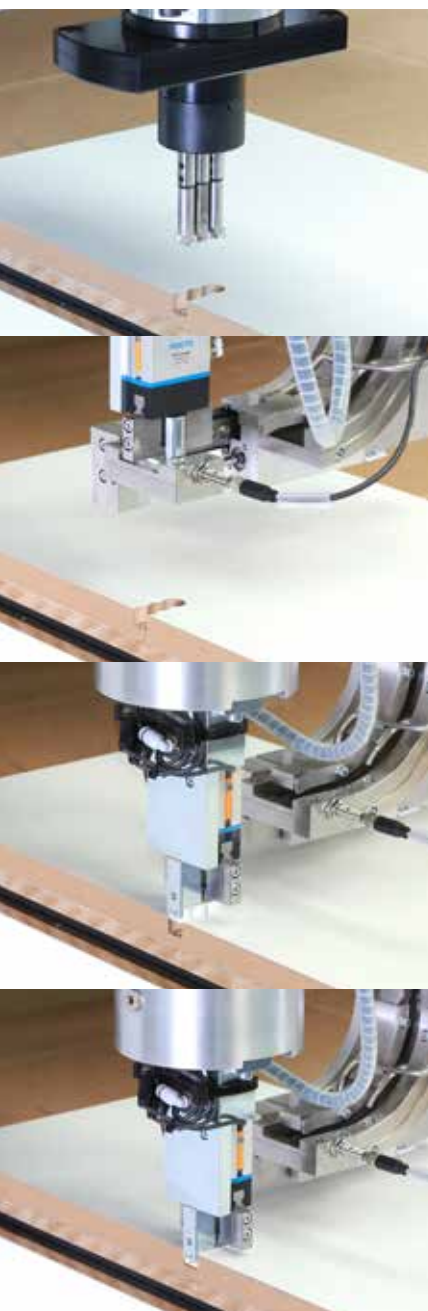
Nesting concept 2R



Nesting concept 3R

Handling solutions for CENTATEQ N-600



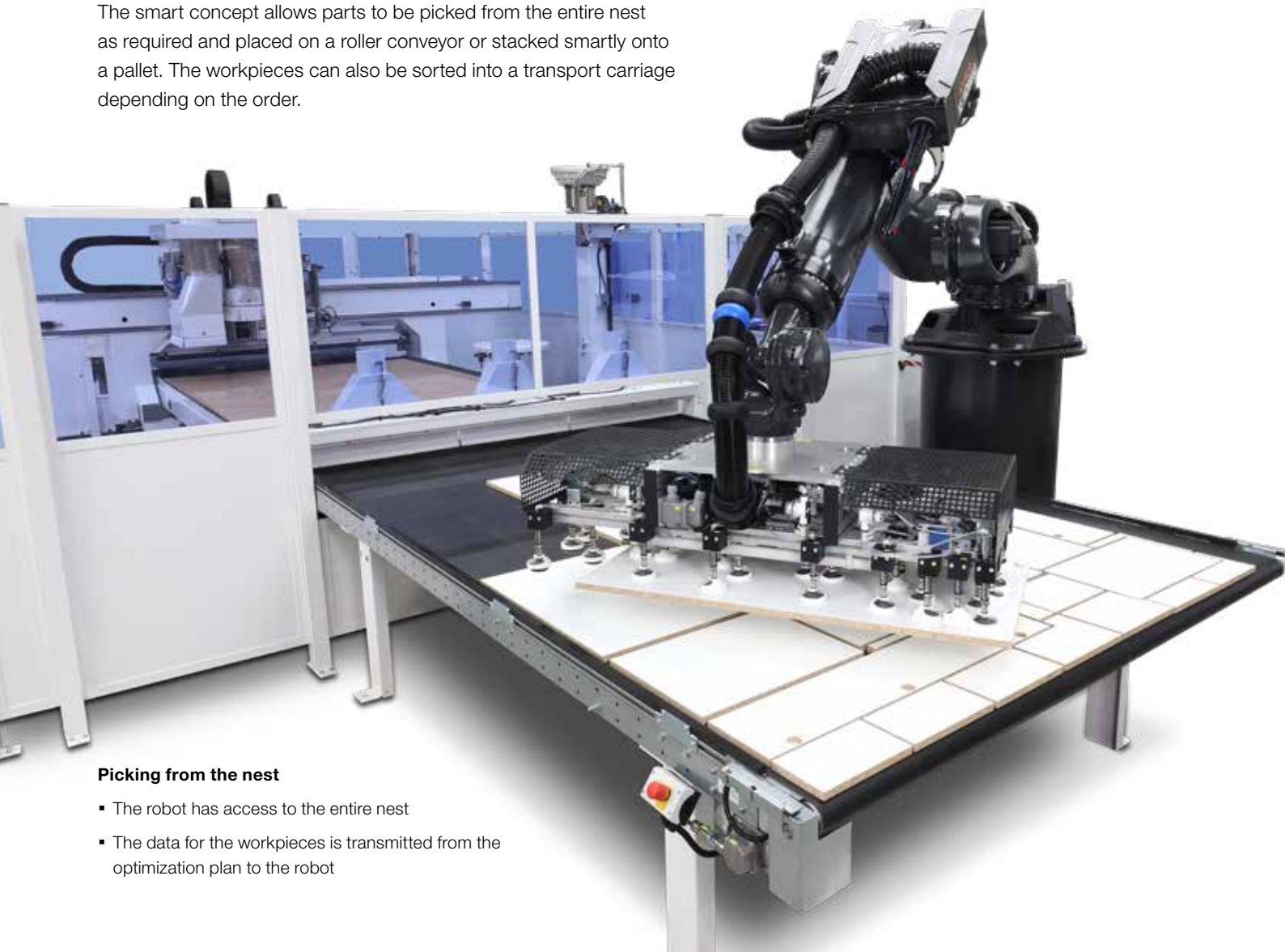


A world first: fitting insertion technology meets processing center

Flush connectors, fixtures or hinges can be fed onto the CNC machine. The connectors are sorted and loaded onto trays using a vibration conveyor. Up to 32 connectors are transported directly to the unit and can be pushed into the workpiece in a single process step.

Robot connection

The smart concept allows parts to be picked from the entire nest as required and placed on a roller conveyor or stacked smartly onto a pallet. The workpieces can also be sorted into a transport carriage depending on the order.



Picking from the nest

- The robot has access to the entire nest
- The data for the workpieces is transmitted from the optimization plan to the robot



Efficient robot cross rail

- Individual and automatic control of the individual suction nipples
- Gentle workpiece handling thanks to rubberized suction unit surfaces
- Structures in the workpiece can be offset without reducing the suction power



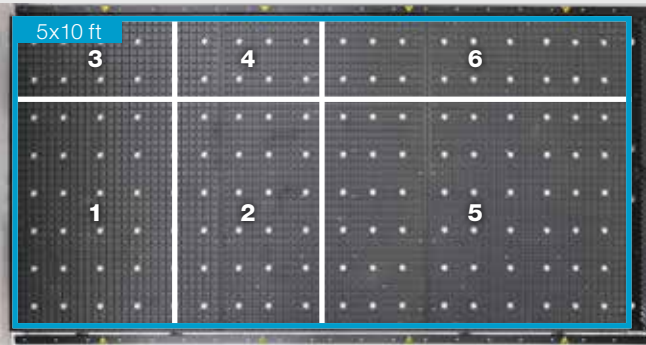
Identification of the workpiece zero point

- After picking, the precise workpiece zero point is identified using a smart laser system, enabling precise stacking on a pallet

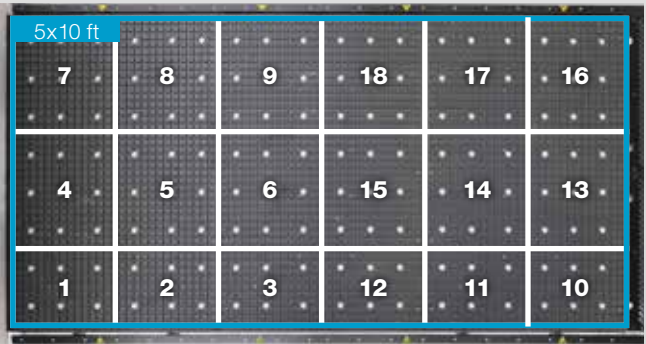
CENTATEQ N-600 – Efficient table field occupation by MATRIX Pro Plus

By automatically selecting and deselecting the table field occupation, the vacuum is activated in the required area and is effective where it is needed. The areas are optimally matched to the established range of boards.

Segmentation of vacuum zones on the example of table size
1,550 x 3,100 mm | 5 x 10 ft

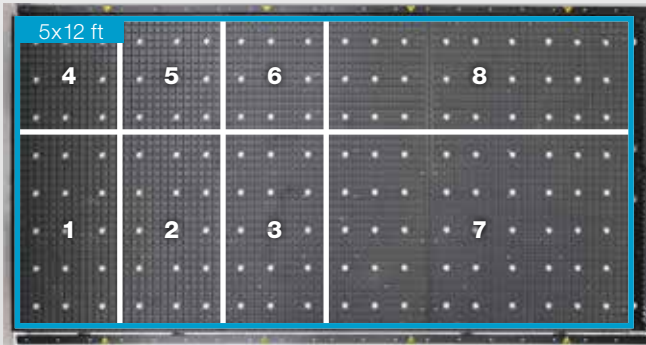


- Segmentation in 6 fields

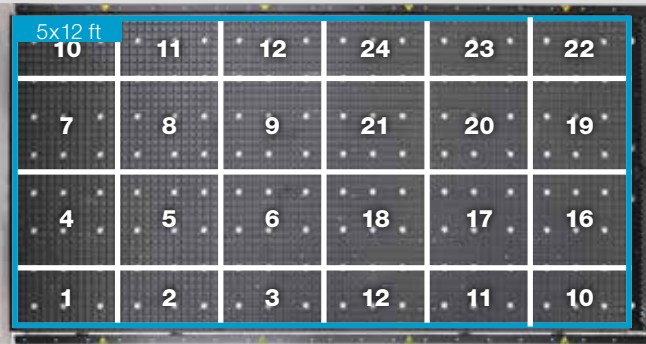


- Segmentation in 18 fields

Segmentation of vacuum zones on the example of table size
1,550 x 3,700 mm | 5 x 12 ft



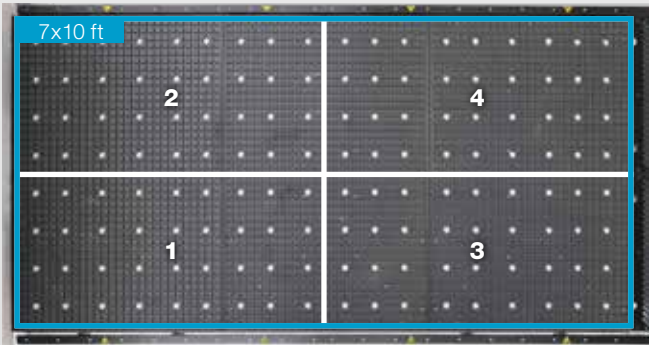
- Segmentation in 8 fields



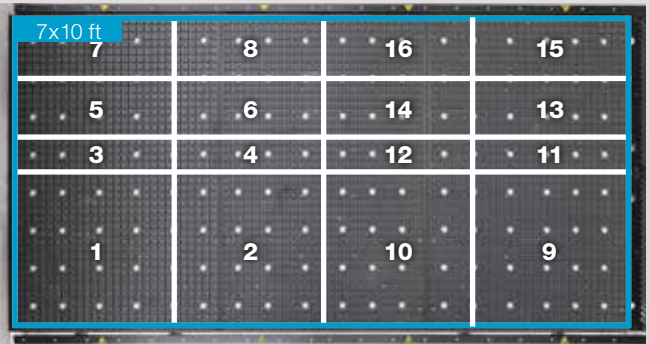
- Segmentation in 24 fields



Segmentation of vacuum zones on the example of table size
2,250 x 3,100 mm | 7 x 10 ft

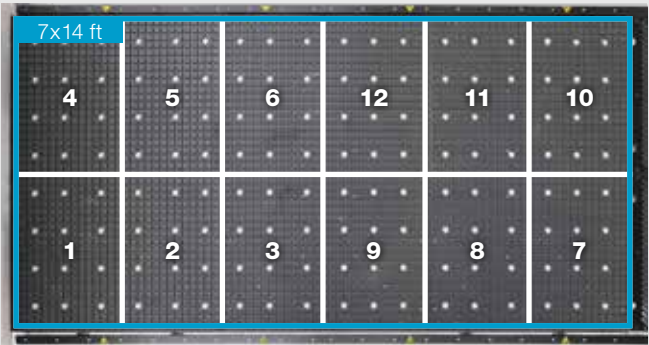


- Segmentation in 4 fields

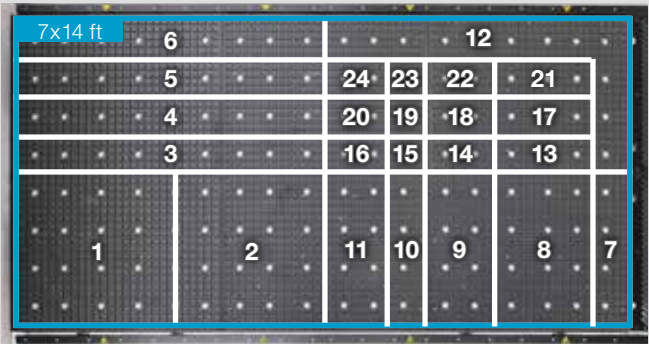


- Segmentation in 16 fields

Segmentation of vacuum zones on the example of table size
2,250 x 4,300 mm | 7 x 14 ft



- Segmentation in 12 fields



- Segmentation in 24 fields

CENTATEQ N-600 | Everything at a glance...

With these packages you are up to all tasks. The choice is yours.

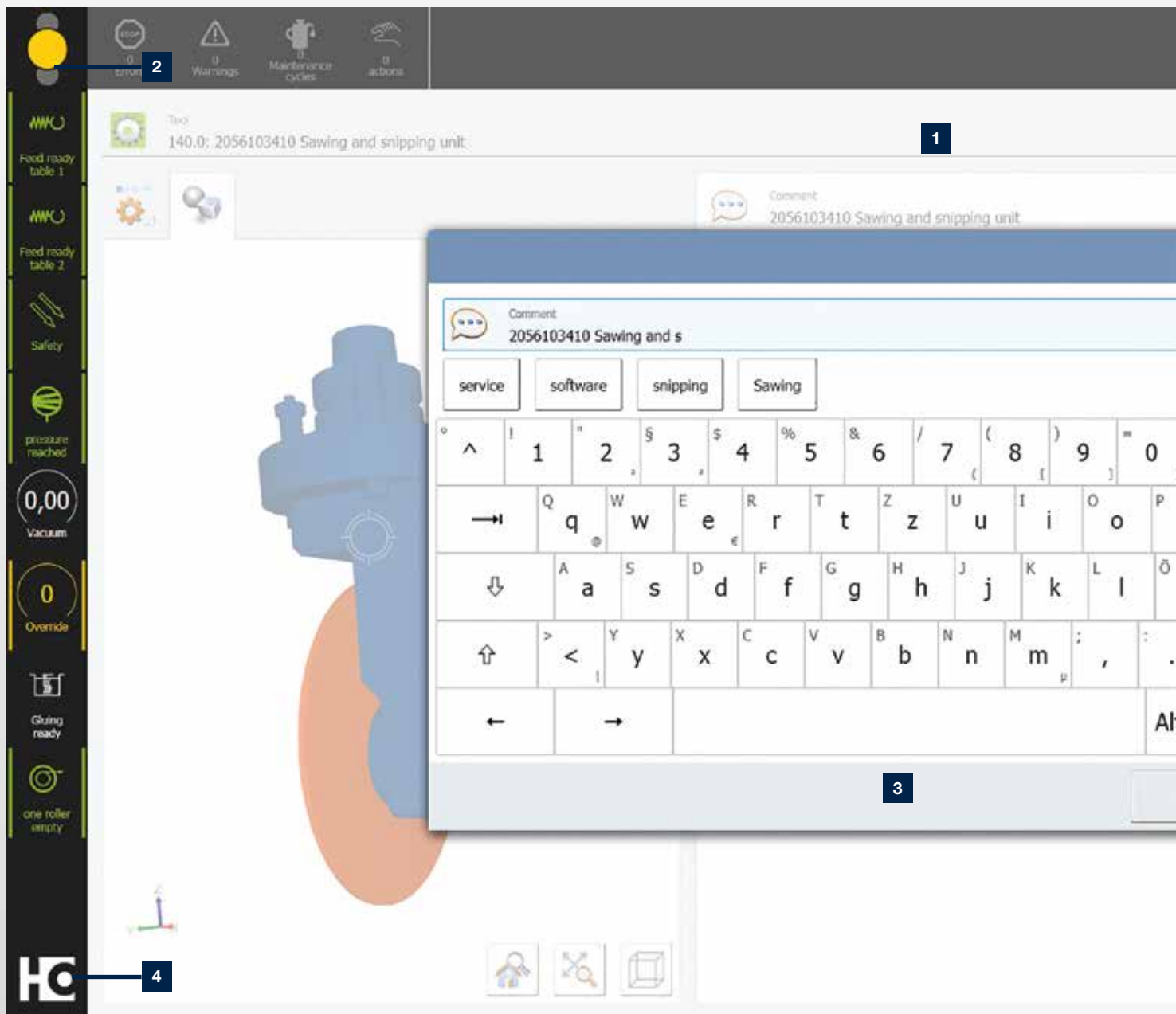
[illegible]

Automation level						Equipment											
																	
Conveyor belt	Roller track	Lifting table	Infeed roller table	Manual labeling terminal	Barcode printer	tapio-ready	PowerControl with powerTouch2	Synchronous drive	Vacuum arms for panel positioning	Push-Off device for workpieces	Extraction in the outfeed from below	Extraction in the outfeed from above	Vacuum system	Clamping elements	Air cushion function	Air-conditioning	Simultaneous pull-in and push-out
-	-	-	-	○	-	✓	✓	✓	-	-	-	-	✓	○	○	○	-
✓	-	-	-	○	-	✓	✓	✓	-	✓	○	○	✓	○	○	○	-
✓	✓	-	-	○	-	✓	✓	✓	✓	✓	✓	○	✓	○	○	○	○
✓	✓	✓	-	○	-	✓	✓	✓	✓	✓	✓	○	✓	○	○	○	○
✓	✓	-	✓	○	-	✓	✓	✓	✓	✓	✓	○	✓	○	○	○	○
✓	✓	✓	-	○	✓	✓	✓	✓	✓	✓	✓	○	✓	○	○	○	○
✓	✓	-	✓	○	✓	✓	✓	✓	✓	✓	✓	○	✓	○	○	○	○

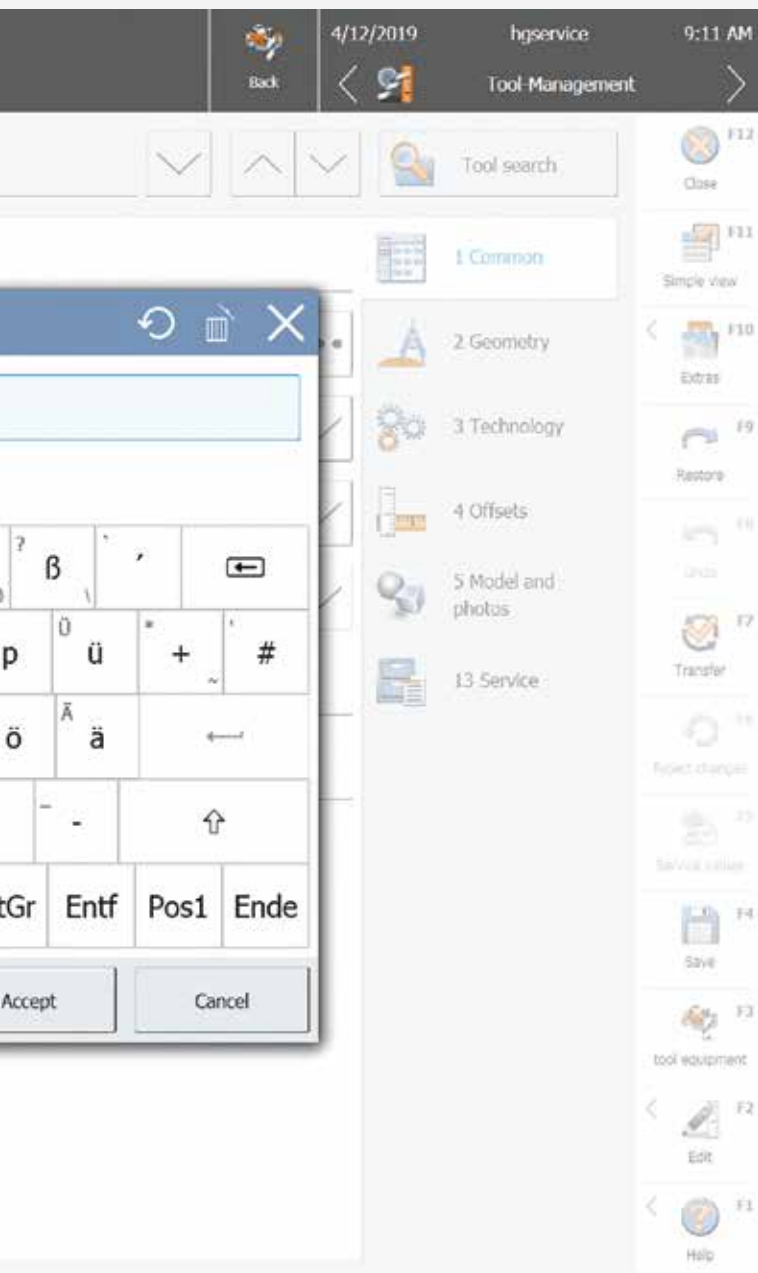
Standard: ✓

Available: ●

Option: ○



- 1 The powerTouch2 screen is clearly structured. You can see all the important information at a glance, but you still have all the details.
- 2 We have also improved the traffic light dialog further. You can now directly influence the machine's production readiness by selecting actions via the traffic light icon.
- 3 A functional pop-up keyboard that can be kept open, including automatic word completion for faster entries (when you enter the first letters, frequently used applications are proposed and you can select them directly).
- 4 Enhanced "Start" menu with additional information displayed (e.g. an indication of how many messages are currently pending or status bars that show the progress of the application) and direct access to actions (e.g. confirmation of actions without having to jump to the application).



The next generation of powerTouch: **powerTouch2**

Faster, more comfortable, clearer: Enjoy the benefits of our further improved powerTouch user interface. We have optimized our standardized operating concept and further adapted it to our customers' requirements. Controlling your HOMAG machines is now even faster and more intuitive. The new, modern design has a clear structure. The innovative touch operation allows you to achieve the desired result easily and comfortably.

With the new powerTouch generation, you can enter information at your machine even more quickly. Compared to the previous version, you can achieve a time saving of up to 30%. This is possible thanks to new features, such as automatic word completion, a pop-up keyboard that can be kept open and Windows-like functions, such as the selection of common actions directly via the start button.

Our successful powerTouch philosophy – **standardized, simple, ergonomic, evolutionary** – consistently further developed



THE HIGHLIGHTS AT A GLANCE:

- Direct and efficient operation, up to 30% faster
- Clearer and more informative thanks to additional information and live illustrations instead of program icons
- New applications for operating and controlling machines and systems (e.g. NCCenter in the PC87 control system on CNC machines or woodCommander 4 on throughfeed machines)
- Fresh, attractive design, based on the new HOMAG machine design

intelliDivide Nesting – cutting optimization for CNC machines

intelliDivide is the web-based cutting optimization program of the HOMAG Group. Depending on the machine type chosen, the software automatically switches to panel cutting using a saw or to the nesting with a CNC machine.

The cloud-based optimization software enables significantly higher computing capacity, ensuring that results are available quickly — and with considerably better key figures.

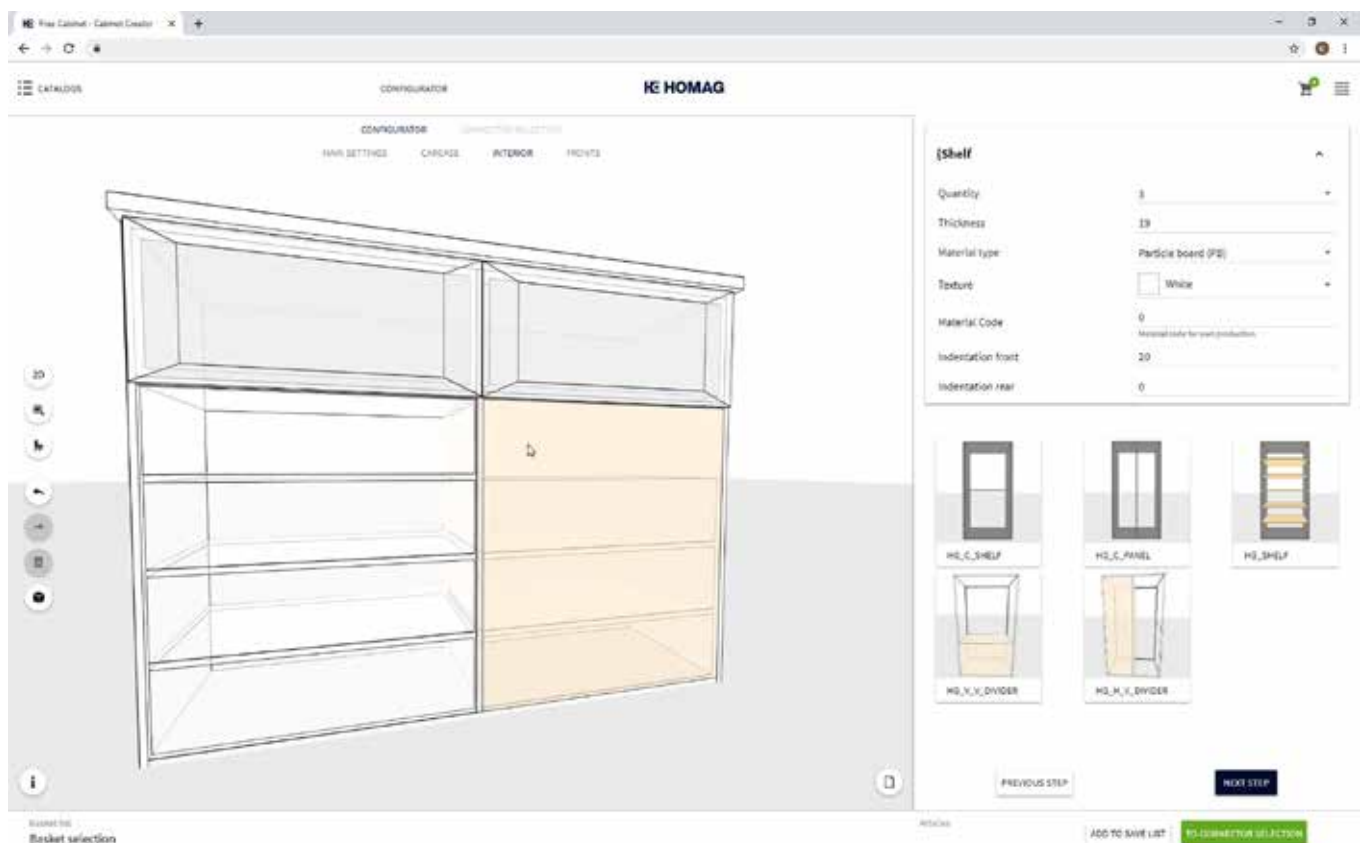


The benefits:

- No local hardware is needed. IntelliDivide operates independently of the operating system; internet access is all that is required
- Users do not have to worry about maintenance or updates
- Low-cost entry into optimization
- Intuitive, simple operation.
- Simple, usage-based booking possible. Whether a free trial month, monthly purchase or annual subscription, every customer chooses the best option for them.

Design furniture online and automatically receive all production data – with the cabinetCreator

Are you familiar with online shops, where end customers order furniture? There are a lot of them. With the web-based cabinetCreator, HOMAG is offering the industry's first furniture design wizard that allows you to plan cabinets for your customers easily and practically. The integrated connector scan adds all fixtures automatically. The cabinetCreator results: all relevant data for the production of a cabinet is created and can be given to the machine operator.

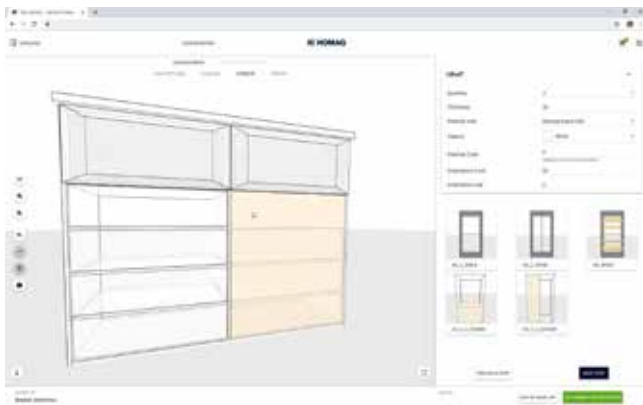


Customer benefits:

- Easy operation with step-by-step navigation
- Very fast generation of production data
- Option of setting up a custom furniture library
- Storage of individual design rules

The benefits:

- Web-based configuration of furniture bodies, so no local hardware is required
- cabinetCreator operates independently of the operating system – Internet access is all that is required
- Users do not have to worry about maintenance or updates
- Library of basic forms, e.g. straight cabinets, corner cabinets, cabinets for sloping ceilings
- Fixture selection available from all established manufacturers: Blum, Grass, Häfele, Hettich, Lamello
- 2D/3D image of the furniture
- All relevant production data generated: customer order, parts list for cutting, CNC programs, single part drawings, 3D assembly drawing

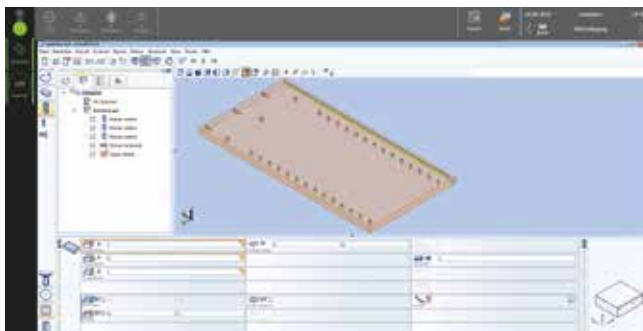


cabinetCreator

- Design furniture online and automatically receive all production data

Software | Machine

Our machines are equipped with everything needed for productive use as standard. In addition, a wide range of software modules can be supplemented to create the optimum configuration.



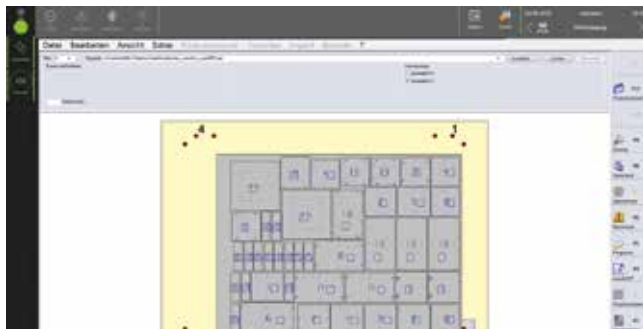
woodWOP

- Modern software based on Windows®
- Import of CAD files in DXF format
- More than 30.000 installations worldwide
- Worldwide largest forum for woodWOP



Production list software

- For management and creation of product lists for individual manufacturing



Slot assignment

- Simple control of main machine functions through soft keys
- Graphical loading

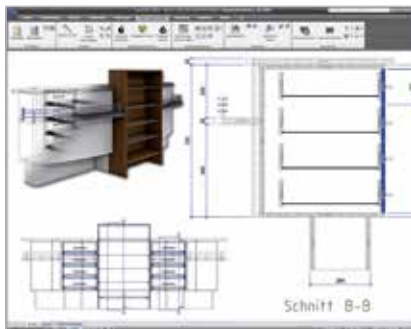


MMR Basic

- Machine Data Recording – collecting and evaluating machine states via time meter and event meter
- Display and logging of maintenance measures

Process optimization

Cut Rite, the optimization software of the HOMAG, is used for cutting boards on sawing machines as well as nesting machines. The modular structure of the software allows users already controlling their sawing machine via Cut Rite to integrate the nesting module without problems. Plus, customer processes can be made even more efficient by woodCAD|CAM and residual parts management.



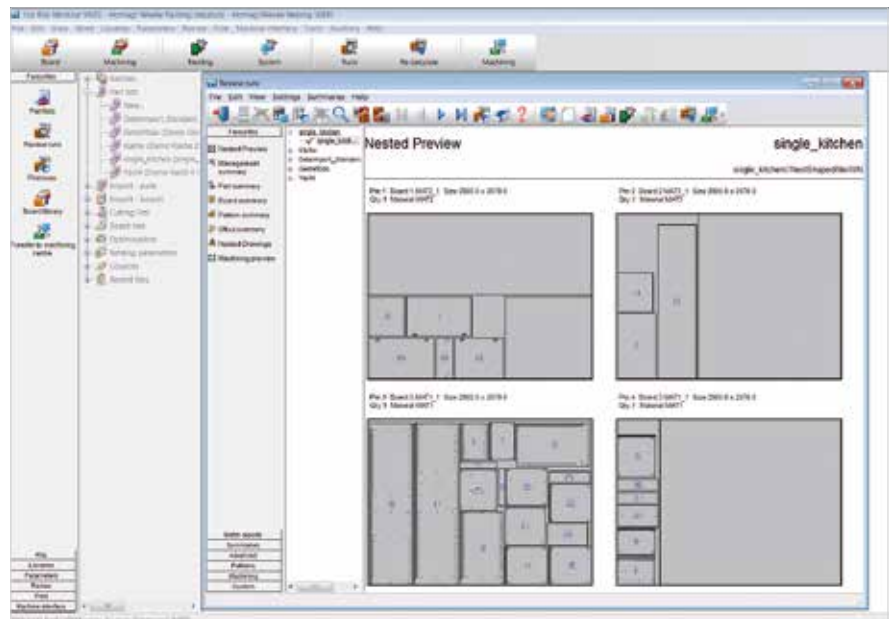
woodCAD|CAM

- Parametric design in 3D
- Seamless data flow in operation
- Bill of materials, cutting to size and cost estimation
- CNC data for HOMAG Group machines
- Bar code generation
- Photorealism for sales negotiations



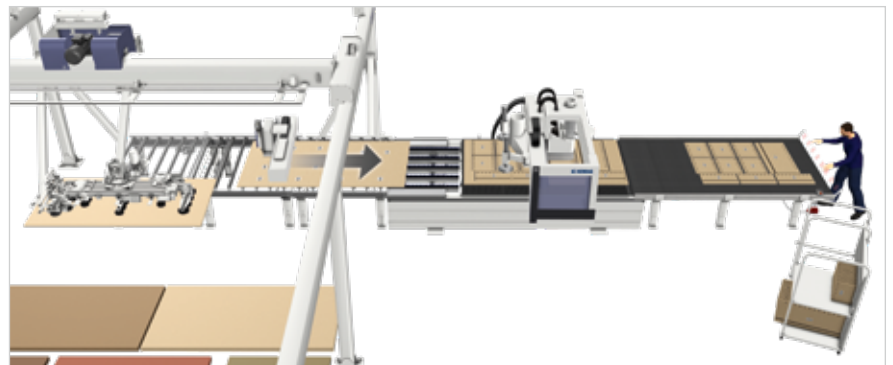
Residual parts management | Basic

- Labels for residual parts from Cut Rite
- Manual management



Optimization software: woodNest Basic and Cut Rite Nesting

- Optimization and generation of cutting plans for rectangular and free-formed workpieces (woodNest Basic: manually | Cut Rite: automatically)
- Functions with Cut Rite:
 - Import of parts lists, e.g. from Excel, or direct import of woodWOP programs
 - Additional milling strategies "bars", "common line" and "stay down"
 - Includes material management, parts sorting by material type, and label printing in the office
 - Manual editing of cutting plans



Residual parts management | Advanced

- Automatic management within the storage database
- Manual positioning in automatic mode
- Labels for residual parts can be produced on the machine itself

Residual parts management | Professional

- Automatic residual parts handling for nesting concepts in conjunction with storage solutions from HOMAG Automation
- Only in combination with residual parts management | Advanced

Easy to get. And easy to use.

tapio is the open wood industry ecosystem

This means that everyone involved in the wood industry can participate.
Because together with our business partners, we develop digital solutions for everyone.



Just have a try::

Free use of the MachineBoard app! Just register under tapio and „connect“ the machine www.tapio.one. The complimentary usage is limited in time.

Apps that make working life easier.

tapio
Partner

DataSave

- Protects machine and configuration expertise
- Faster service for machine breakdowns
- Saves time when restarting production
- Saves on maintenance costs
- Automatic backups of several machines

ServiceBoard

- Create service cases quickly and easily and send them to the correct service partner
- Live video diagnostics to solve service cases with image support
- Video reduces the language and distance barriers
- Also works without a machine connection to tapio (and is therefore ideal for older machines)

MachineBoard

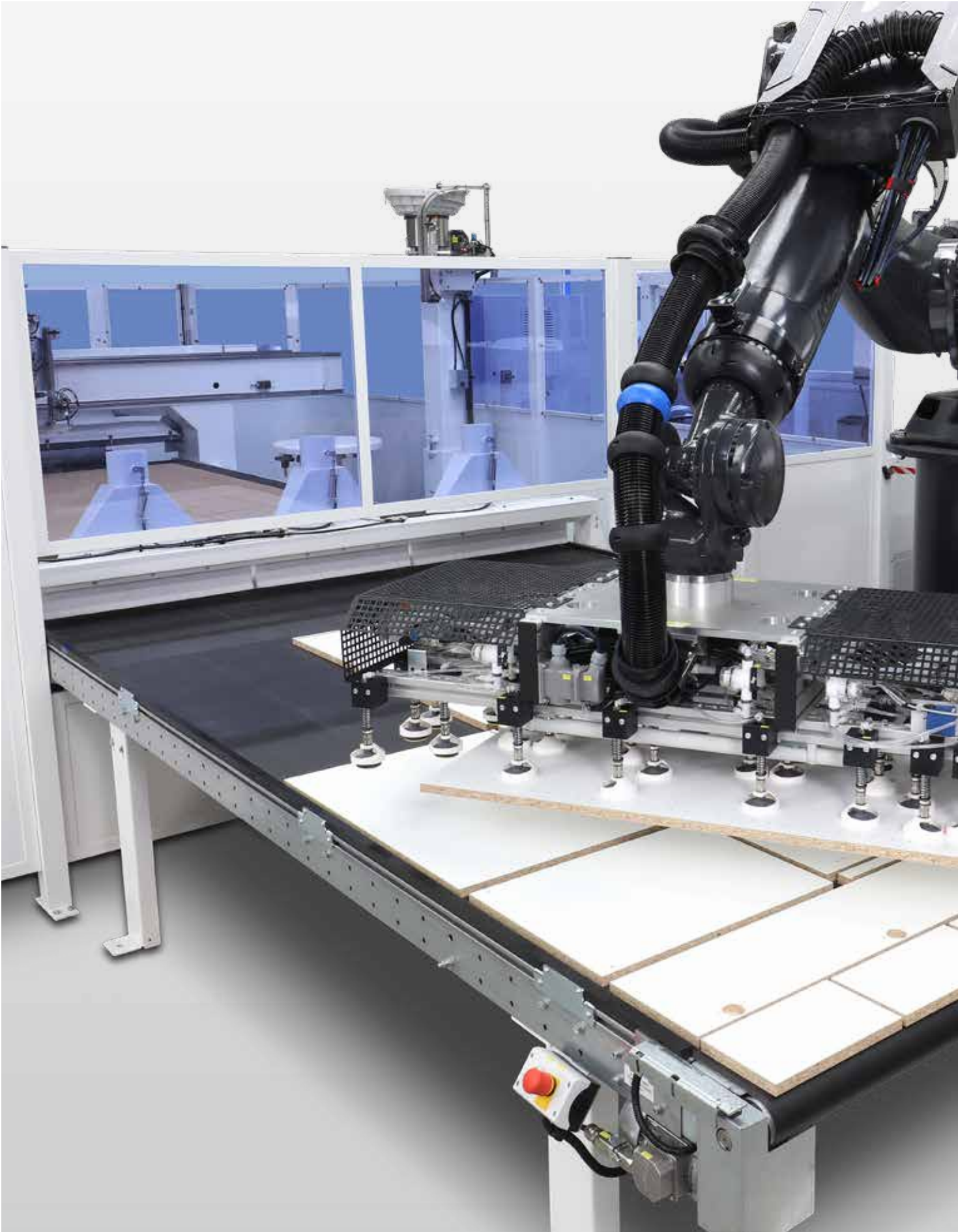
- Push notifications
- Machine data and status can be viewed from anywhere in real time
- Lists of errors, warnings, maintenance tasks and actions
- Displays the remaining time until the next intervention by the machine operator



Free demo for all tapio apps, no registration required. Simply download and test.

Currently available in the EU and Switzerland

(Due to the fast pace of the IT-landscape, the compatibility to the tapio platform is warranted for five years.)



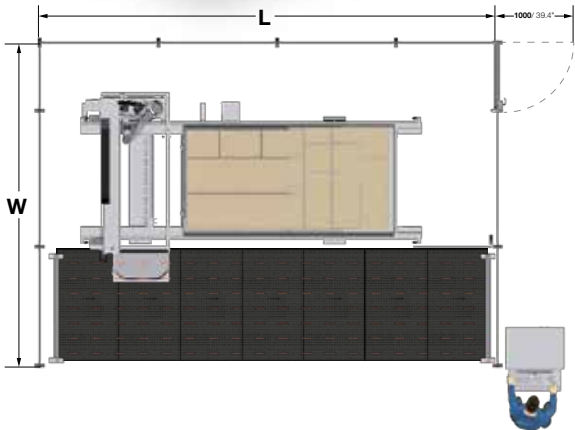


Do you need automation?
CENTATEQ N-600 with hardware
insertion and robot interface!



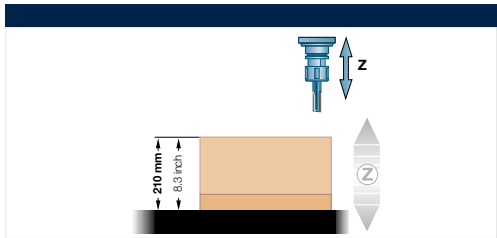
Technical data

Our machines are equipped with everything needed for safe and effective operation.



Vector speed X/Y - Z-axis	m/min	130 - 20
Compressed air connection	inch	R ½
Compressed air	bar	7
Dust extraction port	mm	Ø 200*
Dust extraction volume	m³/h	min. 3.170*
Electrical connection value	kW	27,5*

*Basic machine



Working field		X	Y	Z	
				without automation	automatic push-off
31/15/R	5 × 10 ft	3.100 / 122.0	1.550 / 61.0	210 / 8.3	60 / 2.4
37/15/R	5 × 12 ft	3.700 / 145.7	1.550 / 61.0	210 / 8.3	60 / 2.4
31/22/R	7 × 10 ft	3.100 / 122.0	2.250 / 88.6	210 / 8.3	60 / 2.4
43/22/R	7 × 14 ft	4.300 / 169.3	2.250 / 88.6	210 / 8.3	60 / 2.4
					mm / inch

Travel range			
		Drilling gear	Routing unit
All table sizes	4-sided formatting possible	215 / 8.5	245 / 13.7
			mm / inch

Floor space incl. safety area**			L	W	
Manual concepts				4-axis	5-axis
Basic machine	31/15/R	5 × 10 ft	7.230 / 284.6	5.480 / 215.7	5.730 / 225.6
	37/15/R	5 × 12 ft	7.980 / 314.2	5.480 / 215.7	5.730 / 225.6
	31/22/R	7 × 10 ft	7.230 / 284.6	6.180 / 243.3	6.330 / 249.2
	43/22/R	7 × 14 ft	8.480 / 333.9	6.180 / 243.3	6.330 / 249.2
Nesting concept outfeed	31/15/R	5 × 10 ft	9.600 / 378.0	5.480 / 215.7	5.730 / 225.6
	37/15/R	5 × 12 ft	10.140 / 399.2	5.480 / 215.7	5.730 / 225.6
	31/22/R	7 × 10 ft	9.600 / 378.0	6.180 / 243.3	6.330 / 249.2
	43/22/R	7 × 14 ft	11.750 / 462.6	6.180 / 243.3	6.330 / 249.2
Automatic concepts				4-axis	5-axis
Nesting concept 1	31/15/R	5 × 10 ft	9.850 / 387.8	5.480 / 215.7	5.730 / 225.6
	37/15/R	5 × 12 ft	**	5.480 / 215.7	5.730 / 225.6
	31/22/R	7 × 10 ft	9.850 / 387.8	6.180 / 243.3	6.330 / 249.2
	43/22/R	7 × 14 ft	12.100 / 476.4	6.180 / 243.3	6.330 / 249.2
Nesting concept 2	31/15/R	5 × 10 ft	12.700 / 500.0	5.480 / 215.7	5.730 / 225.6
	37/15/R	5 × 12 ft	**	5.480 / 215.7	5.730 / 225.6
	31/22/R	7 × 10 ft	12.700 / 500.0	6.180 / 243.3	6.330 / 249.2
	43/22/R	7 × 14 ft	16.070 / 632.7	6.180 / 243.3	6.330 / 249.2
Nesting concept 2R	31/15/R	5 × 10 ft	13.550 / 533.5	5.480 / 215.7	5.730 / 225.6
	37/15/R	5 × 12 ft	14.240 / 560.6	5.480 / 215.7	5.730 / 225.6
	31/22/R	7 × 10 ft	13.550 / 533.5	6.180 / 243.3	6.330 / 249.2
	43/22/R	7 × 14 ft	18.000 / 708.7	6.180 / 243.3	6.330 / 249.2
Nesting concept 3	31/15/R	5 × 10 ft	**	**	**
	37/15/R	5 × 12 ft	**	**	**
	31/22/R	7 × 10 ft	**	**	**
	43/22/R	7 × 14 ft	**	**	**
Nesting concept 3R	31/15/R	5 × 10 ft	**	**	**
	37/15/R	5 × 12 ft	**	**	**
	31/22/R	7 × 10 ft	**	**	**
	43/22/R	7 × 14 ft	**	**	**
					mm / inch

** on request

HC LIFE CYCLE SERVICES

Optimal service and individual consultations are included in the purchase of our machines. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast

customer solutions we guarantee consistently high availability and economic production – over the entire life cycle of your machine.



REMOTE SERVICE

- Hotline support via remote diagnosis by our trained experts regarding control, mechanics and process technology. Thus, more than 92% less on-site service required and consequently a faster solution for you!
- The ServiceBoard App helps to solve tasks in a fast, simple and concrete way. This is achieved by mobile live video diagnosis, automatic sending of service requests or the online spare parts catalog eParts.



SPARE PARTS SERVICE

- High spare parts availability and fast delivery.
- Ensuring quality by predefined spare parts and wear parts kits, comprising original spare parts.
- Identify and inquire for spare parts online under www.eParts.de 24/7, or buy even faster and more comfortably in the new HOMAG eShop (shop.homag.com).



MODERNIZATION

- Keep your machinery up to date and increase your productivity as well as your product quality. This is how you can meet tomorrow's requirements today!
- We support you with upgrades, modernization as well as individual consultancy and developments.



DIGITAL SERVICES

- serviceRemote – the new remote service solution of the future! Fast restart of production because the remote service employee has extensive access to relevant physical data.
- serviceAssist – provides help for self-help. The preventive solutions proposed in the new App are the combination of our experiences and existing machine data.



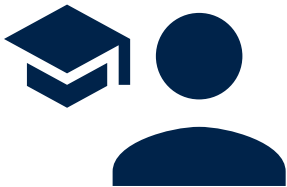
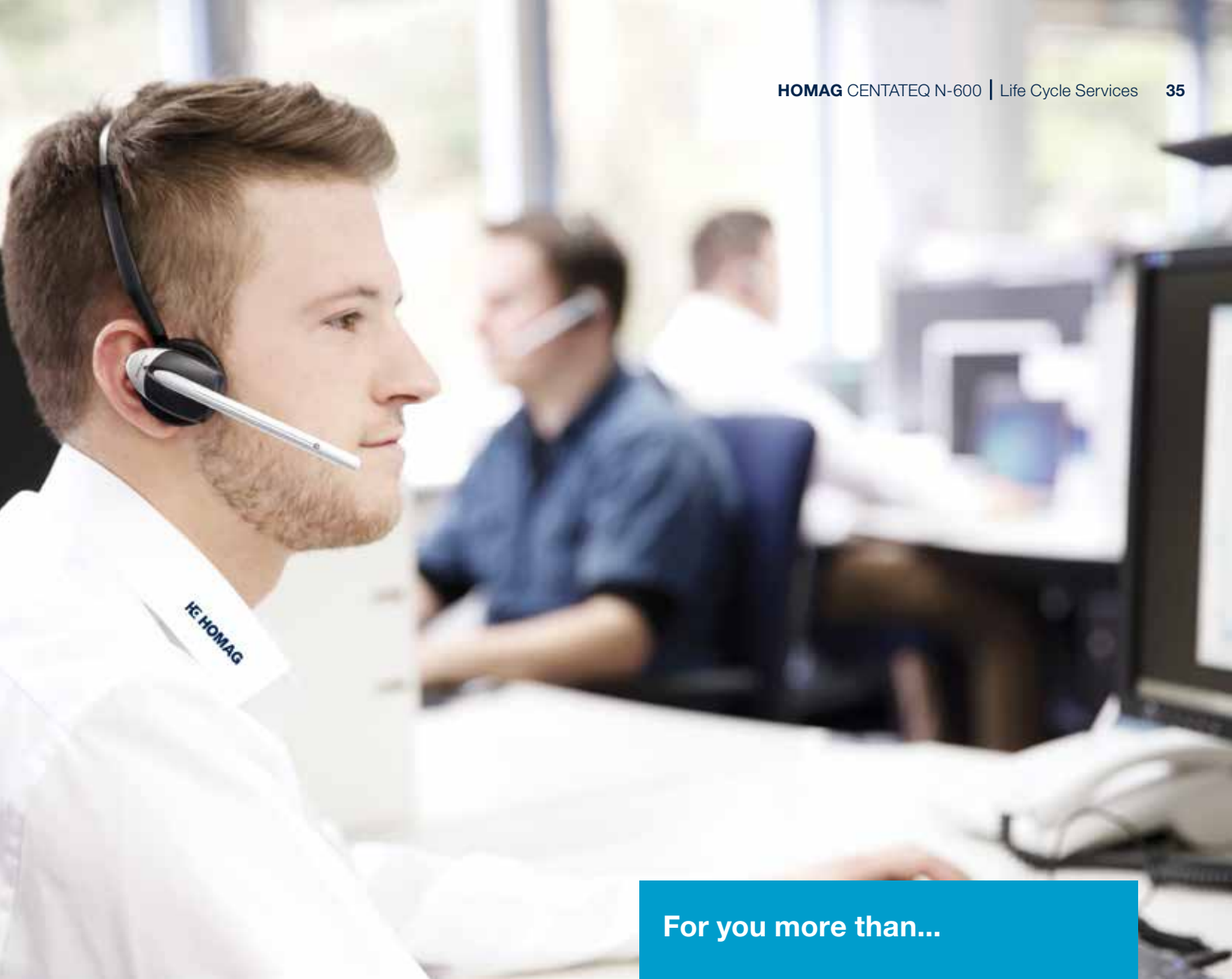
SOFTWARE

- Telephone support and consultancy through software support.
- Digitalization of your spare parts via 3D scanning saves time and money compared to new programming.
- Subsequent networking of your machinery with intelligent software solutions ranging from construction to production.



FIELD SERVICE

- Increased machine availability and product quality by certified service staff.
- Regular checks through maintenance/inspection guarantee the highest quality of your products.
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles.



TRAINING

- Thanks to training perfectly suited to your requirements, your machine operators can optimally operate and maintain the HOMAG machines.
- The training also includes customer-specific training documents with exercises proven in practice.
- Online training and webinars. Learn without traveling, meet your trainer in the digital classroom.

For you more than...

1,350

service employees worldwide

92%

less on-site service thanks to
successful remote diagnosis

5,000

customers in trainings / year

150,000

machines, all electronically documented
in 28 different languages – in eParts

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