

SANDING & POLISHING MACHINES FOR VARIOUS MATERIALS

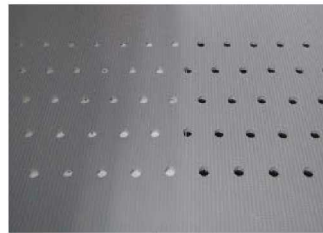
GOTTSCHILD HBS MACHINES



Variety of Polishing Pads



7 Inch Touchscreen Controller



Optional Vacuum Table



Eccentric Sanding Head

Gottschild sanding and polishing machines provide simple and easy sanding and buffing solutions, with a wide range of application possibilities. From solid surface sanding, high-gloss sanding and polishing, or even glass or metal polishing – Gottschild can do it all. The Gottschild HBS series offers superior flexibility for various types of material shapes, sizes, and weights with various models available to accommodate the needs. Gottschild machines are an effective alternative to the time-consuming and tedious process of polishing and sanding by hand and offer consistent & repeatable quality results every time.

Machine Models Available

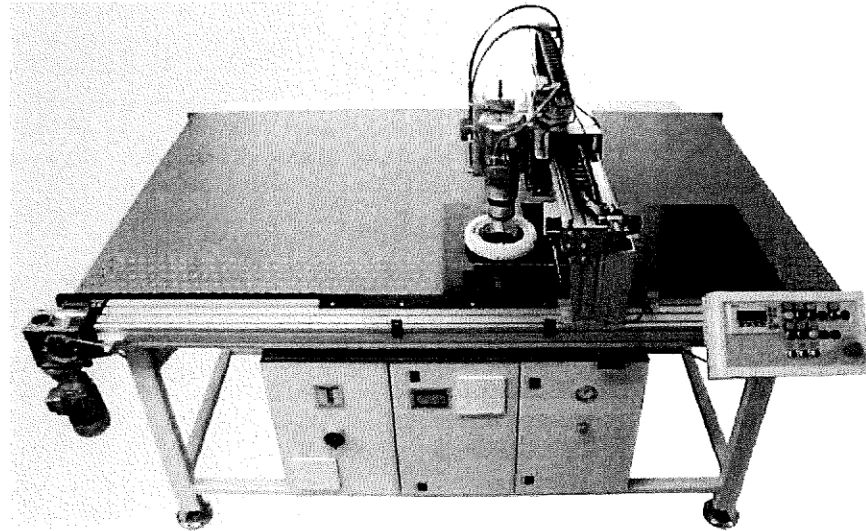
Machine	Component Shape	# of Heads	Max Part Size
HBS 1500-700-1	Rectangular	1	98" x 27" x 2"
HBS 1800-800-1	Rectangular	1	110" x 31" x 2"/4"
HBS 2200-1000-1	Rectangular	1	118" x 39" x 2"/4"
HBS 2600-1300-1	Rectangular	1	137" x 51" x 2"/4"
HBS 2600-1300-2	Rectangular	2	137" x 51" x 2"/4"
HBS 2600C	Curved	1	137" x 51" x 2"/4"
HBS 3000-1300-1	Rectangular	1	157" x 51" x 2"/4"
HBS 3000-1300-2	Rectangular	2	157" x 51" x 2"/4"
HBS 3D	Various	1	118" x 37" x 23"

Advanced Features

- Quick change eccentric sanding head for random orbital sanding and application flexibility
- Sanding and polishing can be achieved with the same machine with ease
- Automatic size and height adjustment
- Perfectly sanding surfaces without edge damage
- Various application possibilities with various tools
- Touchscreen controls for ease of use and saving recipes
- Optional vacuum table for small parts
- Easy maintenance and machine set up
- Quite and efficient during operation.
- Minimum part sizes as small as 4"x8"
- Possibility to handle solid surface parts with cutouts or contours with appropriate model
- Video Link: https://youtu.be/FG_IL7QvGy8



Gottschild Sanding and Polishing Machine HBS 2600-1300-50-1



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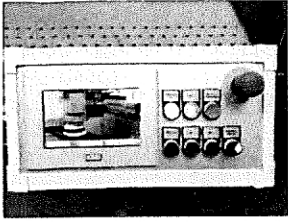
The new Gottschild sanding and polishing machine HBS 2600 has a wide range of possibilities from production of high gloss furniture fronts to sanding and polishing of Corian. Customers have told us this machine replaces the hand work of several people that are currently hand polishing with an orbital hand held machine. The HBS 2600 machine has a working width of 1300 mm (51") and a panel thickness from 10-50 mm and a maximum part length of 4000 mm (157").

Rectangular parts as small as 150 mm x 90 mm x 10 mm can be sanded, polished or brushed and with appropriate conveyance up to a size of 4000 mm x 1300 mm x 50 mm with this machine. (Maximum work piece weight is 60 kg or 132 lbs.) For work pieces with cutouts, negative templates must be used.

The HBS 2600 machine can be equipped with one polishing head Ø 180 mm, one eccentric sander head Ø 150 mm. The heads can be exchanged quickly and simply, thus enabling you to use the same machine for sanding, polishing and cleaning.

The machine is equipped with an automatic detection of size and thickness of rectangular panels. The measuring of the work piece length and width is made during the infeed of the part. The height adjustment is achieved by the pneumatic pressure control when working on a piece.

The machine works with low-priced standard polishing kits. This results in no high subsequent costs



KEB Operator Touch Panel HBS 2600 with Data entered

The clear user surface of the HBS 2600 is characterized by simple handling and offers a variety of settings via touch panel.

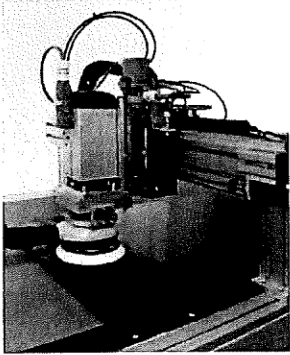
Technical Specifications

Production Parameters

Part Dimension Detection	automatically when working
Min. Part Size	150 mm x 90 mm x 10 mm
Max. Part Size	4000 mm x 1300 mm x 50 mm
Part Shape	rectangular/square (<i>For workpieces with cutouts, negative templates must be used.</i>)

Technical Data HBS 2600-1300-50-1

Electrical connection	480V, 3 PH, 60 Hz, 3 kW
Compressed air	6 bar connection, adjusted to 5 bar
Transport belt	2600 mm x approx..1540 mm
Basic Frame size	2600 mm x 1790 mm X 1500 mm
Frame height	approx. 960 mm ± 25 mm
Frame material	Welded steel tube
Frame for Tool Bridge	Aluminum profiles
Belt drive	Gear Motor 480V, 0,25 KW, I = 150
Belt cleaning	Manually every 8 hours
Protection device	Emergency Off. Without Option machine housing the machine must be protected with safety fences by customer. <i>Attention! Without housing or safety fences the machine does not comply with the Machinery Directive 2006/42 / EC (No CE Mark)</i>
Polishing motor	480V, 60 Hz, 0,75 kW with planetary gear
Control	Siemens/Vipa S7 SPS, Parameters by KEB, frequency inverter KEB
Operating components	Control ON/OFF, RESET, START/STOP, Program Interruption
Operation via KEB Touch Panel	Polishing / sander head rotation speed. Belt speed and Option tool head oscillation rotation speed
Tool bridge	1 Tool bridge with polishing head consisting of a linear profile system, driven by a pneumatic linear cylinder.



One (1) Eccentric Sander Heads

With the eccentric sander heads, the polishing machine can be changed into a sanding machine with a few simple steps. The sander head is equipped with a holder which allows a quick exchange. Due to the finish with 1000, 1500 or 2000 grit the subsequent polishing time is shortened and the polishing pattern improved. The eccentric sander gearbox with 5-mm sanding stroke is driven by a high-quality industrial spindle motor 1.2 kW, 480V with rotation speed of 6000 rpm up to 12,000 rpm.

Tool Head Oscillation

By sanding and polishing with the new sinusoidal head oscillation a high quality evenly high gloss surface is created that meets the highest demands. With the OPTION tool head oscillation, the tool head for sanding and polishing is additionally moved sinusoidally over a 20 mm long translation axis in feed direction of the conveyor belt.

These various oscillating linear movements in conjunction with the special pressure control lead to an optimal sanding or polishing pattern.

In this way a high quality sanding or polishing surface is produced, as it is usually only achieved at manual workstations.

Machine Housing ✓

The HBS 2600 is equipped with a machine housing, similar to the picture. The housing is adapted to the machine type.

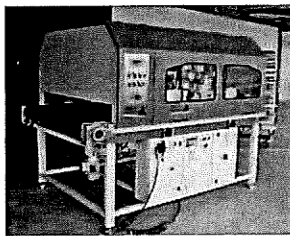
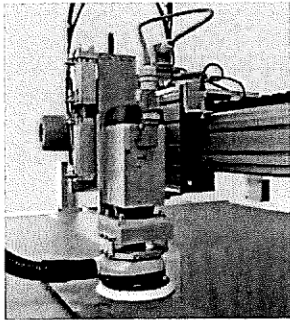
Preparation for Remote Maintenance

The remote maintenance must be enabled by customer. We only have access if this is done.

The customer is obligated to connect the machine to the Internet in case of warranty or malfunction. This Internet connection is a condition for warranty.

Documentation

The documentation documents consist of operating manual, circuit diagram and spare parts list. The software in PLC and inverters are not part of the documentation. The customer receives a right of use of the control and inverter software, which is bound to the machine. The corresponding passwords are not part of the documentation and are not made available.



Price

Total price of above machine

All prices quoted are F.O.B. Port of Entry

Price quoted includes importation and installation.

Price quoted excludes all state and local taxes.

Optional Equipment and Services

Vacuum System INCLUDED

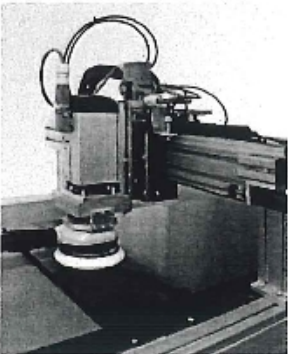
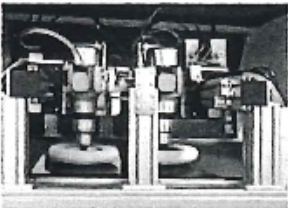
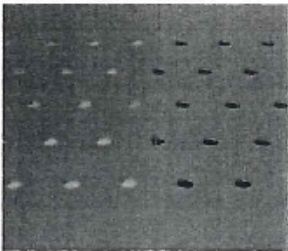
- The machine is equipped with a vacuum table in the work area of the tool head below the conveyor belt. This vacuum table with five rows of holes has a length of 220 mm and width of 280 mm is provided for connecting to the customer exhaust system (no vacuum pump) or is connected to a side channel compressor.
- The vacuum table system is made of aluminum and can be opened for cleaning.
- Function: Vacuum Table with five rows of holes for small parts

Second Tool Bridge with Polishing Motor INCLUDED

A second tool bridge brings a significant increase in performance compared to the 1-head machine (50 - 80% more).

One (1) Additional Eccentric Sander Head INCLUDED

With the eccentric sander heads, the polishing machine can be changed into a sanding machine with a few simple steps. The sander head is equipped with a holder which allows a quick exchange. Due to the finish with 1000, 1500 or 2000 grit the subsequent polishing time is shortened and the polishing pattern improved. The eccentric sander gearbox with 5-mm sanding stroke is driven by a high-quality industrial spindle motor 1.2 kW, 480V with rotation speed of 6000 rpm up to 12,000 rpm.



Technical Support – PLUS Plan

INCLUDED

In addition to remote diagnostics and technical support included in machine purchase, this plan provides one (1) preventative maintenance inspection, which includes:

- Complete machine inspection
- Machine calibration
- PC check
- Minor repairs
- Labor and travel expenses

Overland Freight

Excluded

Exceptions

The following is not part of our delivery and must be supplied by yourselves:

- Electrical power connections
- Compressed air supply
- Work pieces for tests
- Creating of the optimal parameters for the workpieces to be processed
- Safety fences for shielding of the machine by customer, if ordered without machine housing

Dimensions

All equipment offered is made to metric standards. Dimensions shown in English measure are approximate and for comparison purposes only.

Delivery

Shipment from the factory in Germany approximately four (4) months ex-factory after receipt of official order with down payment and clarification of all technical details.

Terms of Payment (Subject to Credit Approval)

- 30% with order
- 60% ex-factory or prior to shipment
- 10% on installation or 30 days after delivery (whichever occurs first)

Stiles Machinery Leasing Option

Stiles Machinery offers a variety of flexible financing options to meet your needs. Contact your sales representative for a detailed leasing quote at current rates.

Installation

Installation by a Stiles' field service representative is included in the price quoted. Stiles Machinery Inc. cannot be held responsible for any delays caused by customs authorities.

Stiles Machinery defines installation as the assembly and preparation of the machine to the 'ready-to-run' state; it does not include any preparation of the site, floor, anchoring of machine to floor, masonry work, running of electrical, pneumatic or dust extraction services to the site, or building alterations.

Your Company is responsible for the off-loading and positioning by crane, forklift or other means, as well as supplying the necessary equipment to perform this task. At your Company's request and expense, a Stiles field service representative can be made available during the off-loading and positioning in order to act in an advisory capacity, but this is to be understood as fully at your own risk. Moving and modifying existing machinery in your facility is not included in the installation.

Once the machine is in the "ready-to-run" state and the necessary services have been provided, the field service representative will test run, adjust as necessary, demonstrate, and instruct your personnel who are selected to operate and maintain this machine. The field service representative will also review the manuals supplied for this equipment.

Programming of customer patterns/samples is not included. Our field service representative will demonstrate to your personnel how to enter your patterns/programming into the control as part of the installation. If additional instruction is requested, our field service representative will be available at the current published service rates.

Technical Support

Your needs are our top priority, which is why we're only a phone call away. With the purchase of your equipment, you will receive complimentary enhanced support services from Stiles Machinery. This includes 24-hour technical support for a period of two years, and if applicable, machine software phone support and remote diagnostics from 8:00 am to 5:00 pm (EST). After the first two years, free technical advice is included at no charge from 8:00 am to 5:00 pm (EST) for the life of the machine.

Our technical support department can assist with:

- Electrical Troubleshooting
- Mechanical Advice
- Application Assistance
- Remote Diagnostics (if applicable)
- Software Support (if applicable)

Note: Remote connection requires the customer to provide an internet-accessible network connection to the machine.

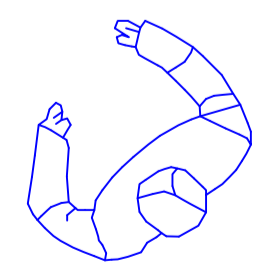
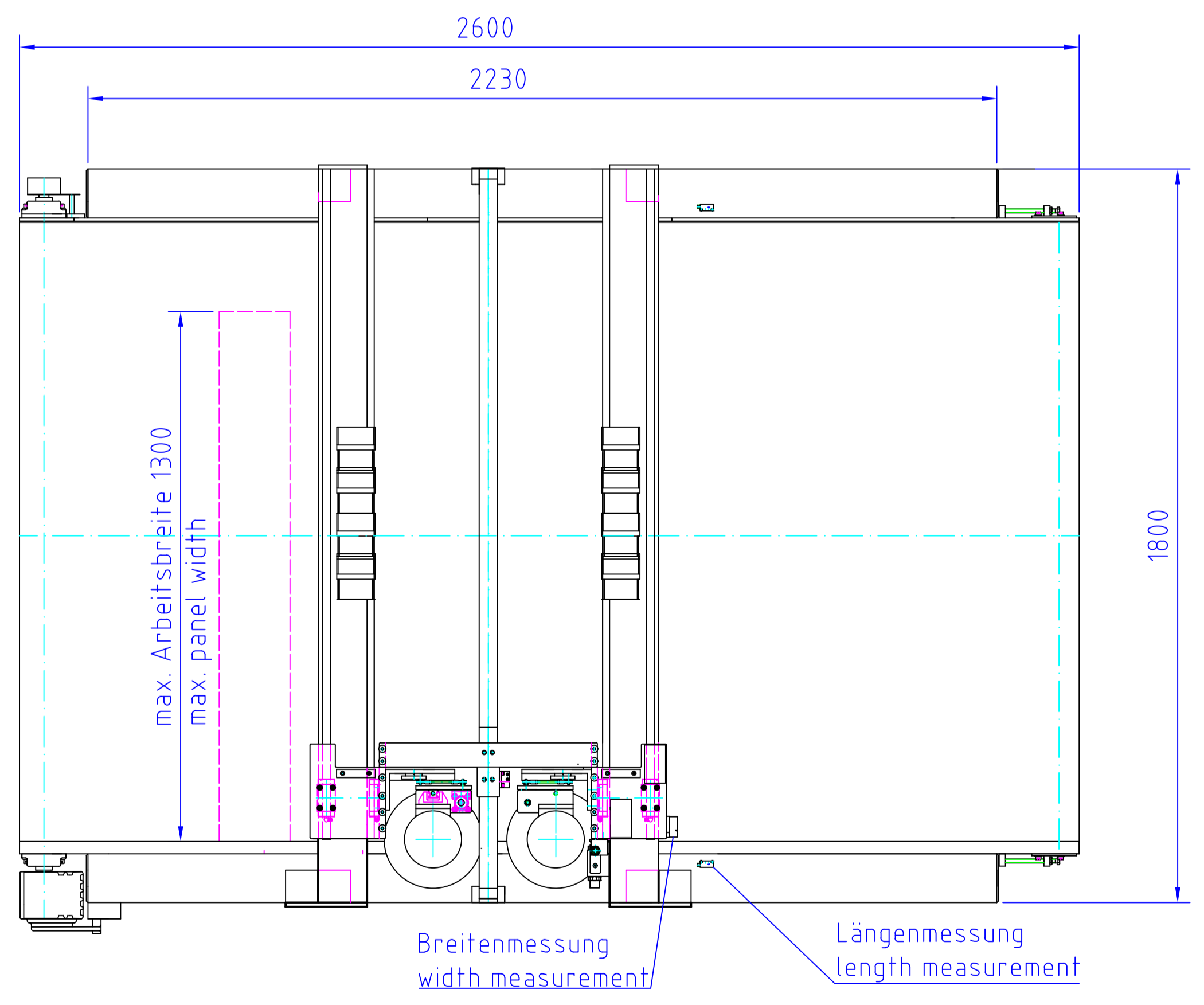
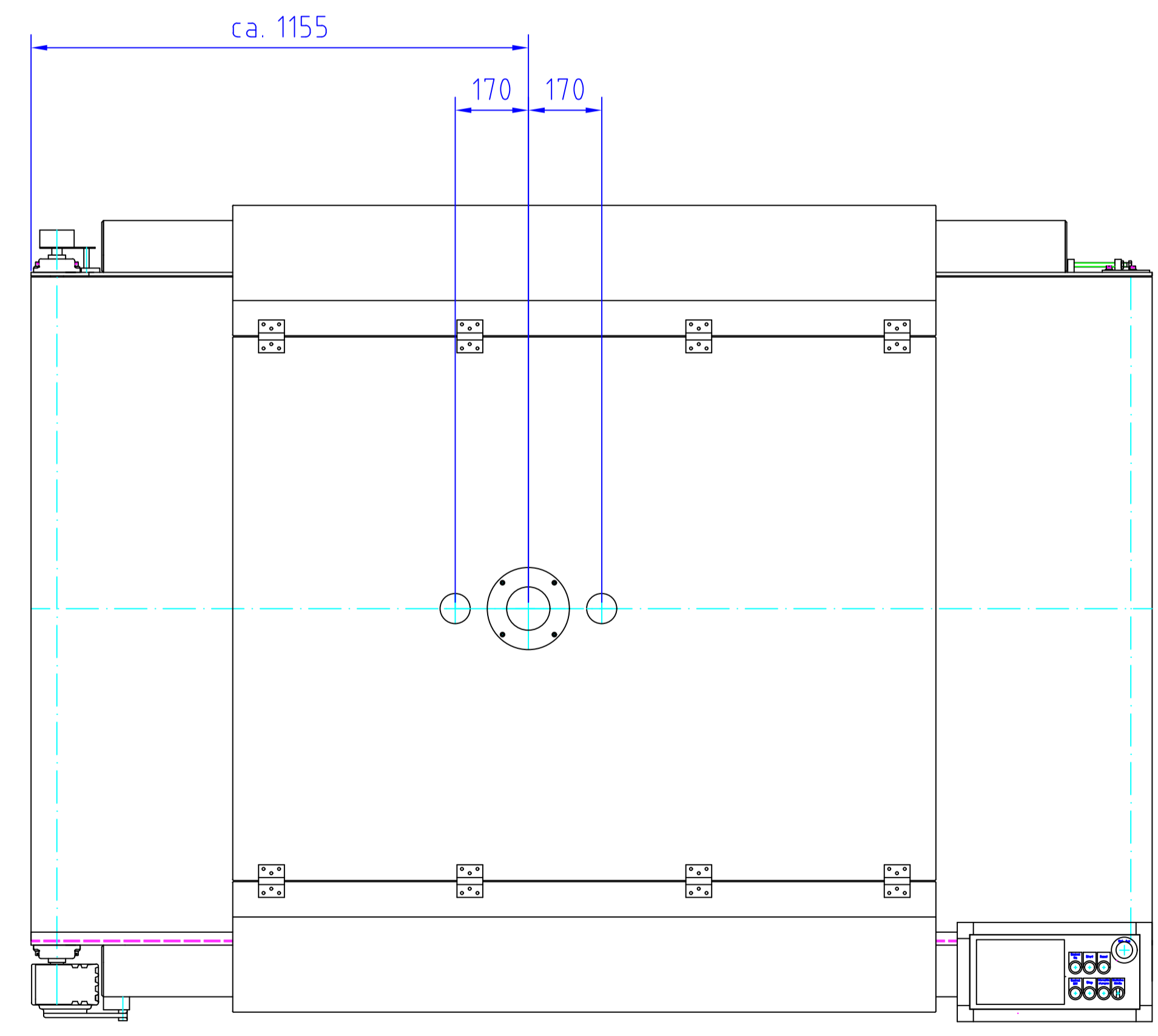
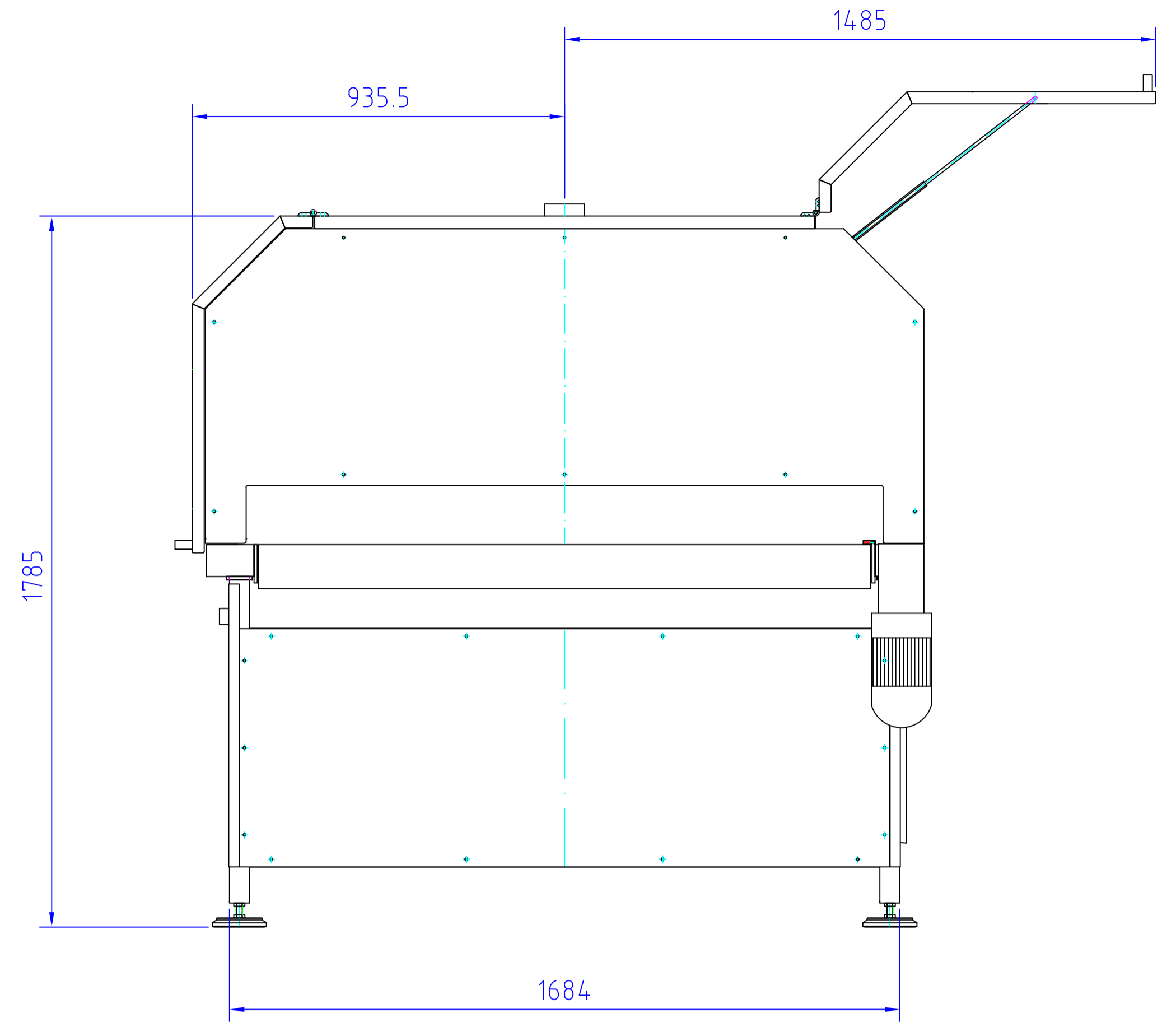
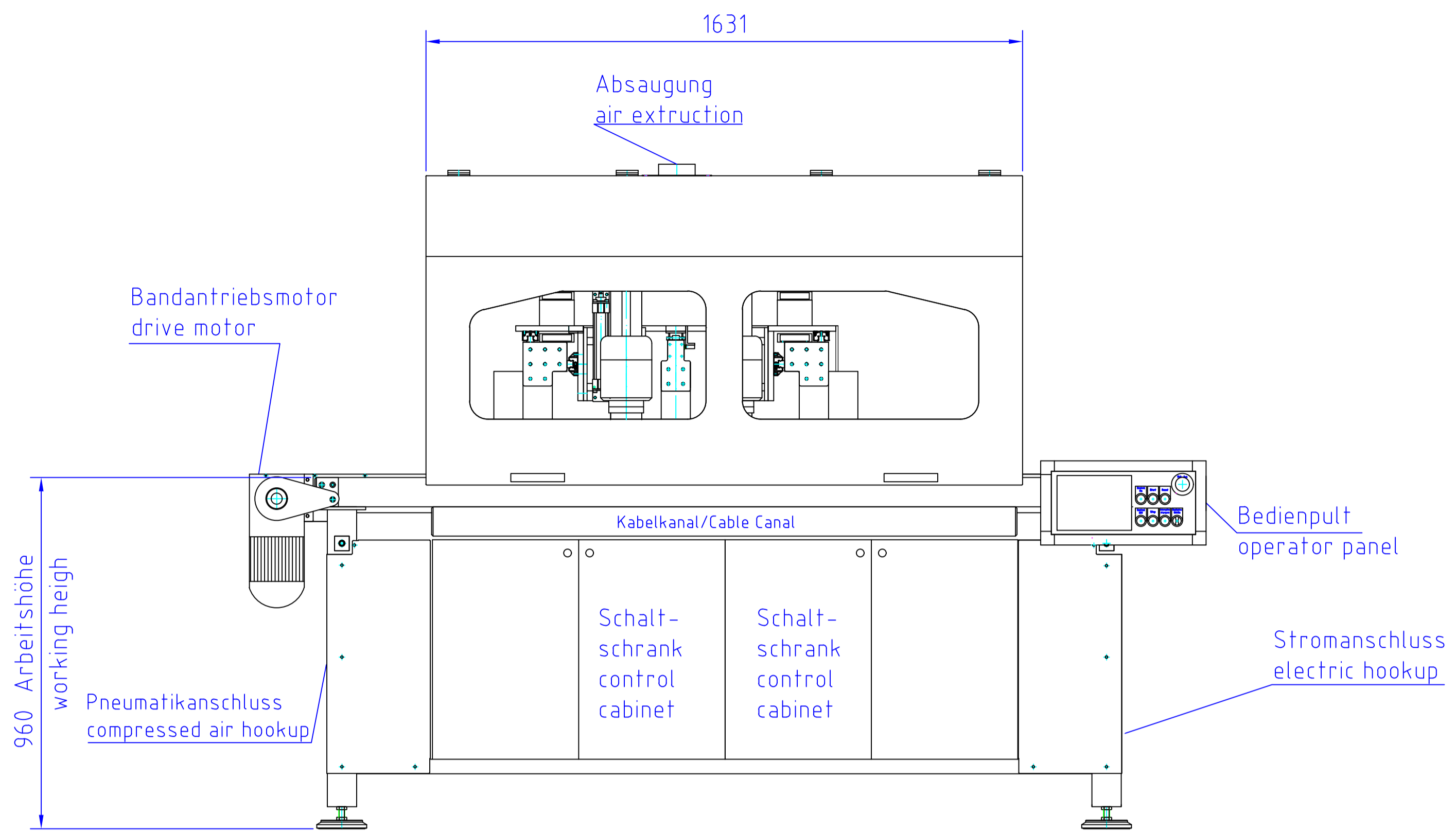
Tooling

Tooling for the proposed machine is not supplied in the price quoted, unless otherwise stated. Stiles Machinery will provide a quotation for tooling upon receiving written documentation from customer stating their tooling application requirements. Any tooling requiring special application (i.e. profiles, grooves, cope, tenons, etc.) will require detailed drawings and/or samples to accompany the request.

Tooling ordered from any source other than Stiles Machinery Inc. will release Stiles Machinery of any responsibility for the performance of the machine functions dependent upon tooling.

Service and Parts

Stiles Machinery has made the most significant parts and service commitment in the industry. This commitment includes in excess of \$50 million on hand parts inventory available 24 hours/7 days a week/365 days a year. There is never an hour of any day that you cannot reach us for assistance. Your investment is further enhanced by a large, yet nimble service contingent consisting of over 150 Field Service Representatives working from six regional service centers available for quick dispatch and short travel times.



Arbeitshöhe max. 100 mm
panel high max. 100 mm

Diese Zeichnung ist unser Eigentum. Jede Vervielfältigung, Verwertung oder Mitteilung an dritte Personen ist strafbar und wird gerichtlich verfolgt (Urhebergesetz BGB)				zul. Abweichung	Menge:	Gewicht:
Bearb. 23.12.2021 Lütjerath				Werkstoff:		
Gepr.				Benennung HBS 2600-1300-100-2		
Ind.	Änderung	Datum	Name	Zeichnungs-Nr.		Maßstab
GOTSCHILD GmbH Kleine Heide 8 33790 Halle/Westfalen				Ers. für:		Format A4