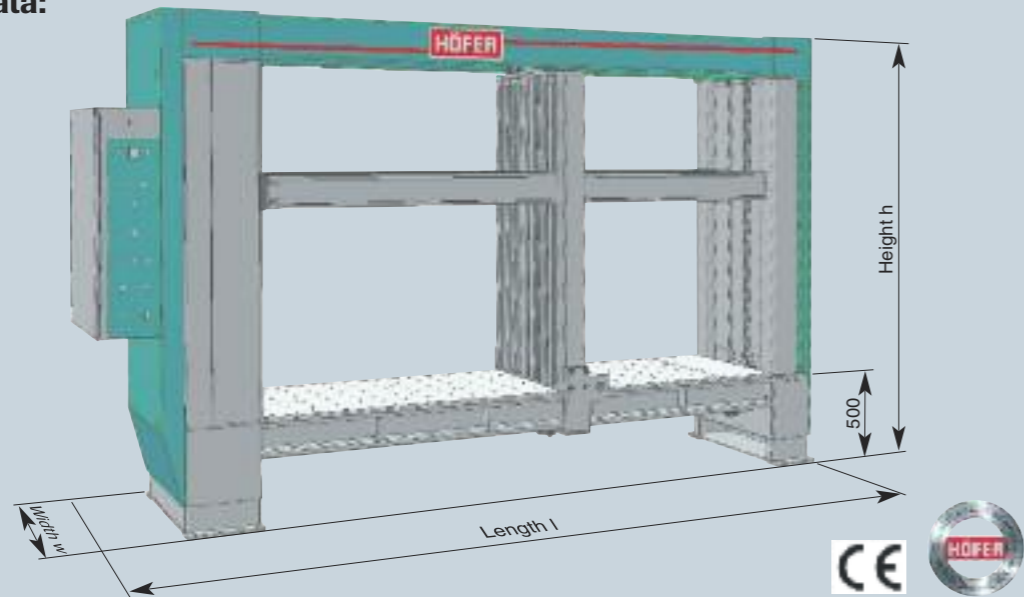


Technical data:



Standardmodel		KOPTRONIK
Pressure force	[dN, kg]	650 - 3500
Working dimension max.	[mm]	2500 x 1400 x 700
Working dimension min.	[mm]	150 x 150 x 150
Adjusting speed	[mm/sec.]	25 / 50
Working height	[mm]	350
Total weight	[kg]	2600
Connected load	[kW]	5
Nominal current at 400 V / 50 Hz	[A]	10
Space requirements (l x w x h)		
KOPTRONIK	[mm]	4600 / 850 / 2350
with set-up station and pre-assembly table	[mm]	4600 / 2360 / 2350
Certificates		
Declaration of conformity - CE		✓
HÖFER Quality Certificate		✓
<small>Note: Subjects to alteration</small>		

Standard equipment

- TOUCHSCREEN operation
- Powered by 4 ball screw spindles
- Synchronised pressing via proximity switch
- Manual control switch for 8 different movement functions
- Independent pressure settings for pre-pressing and pressing force
- Work process memory
- Automatic opening
- Pressure force from 650 to 3500 kg continually variable per pressure wall
- Safety rip-cord

Accessories

- Machine feet
- Pre-assembly table with/without pneumatic raising, non-motorised roller strip
- Airjets in the machine base
- 8-Spindle construction
- Discharge roller way 3000 x 700 mm with all-round rollers
- Combined set-up station and discharge roller way with all-round rollers
- All-round rollers - soft
- Light barrier - optical safety device
- Swivelling console
- Minimised pressure force - starting at 150 kg
- Faster processing speeds - up to 200 mm/sec

Special sizes, special designs, machine lines as well as glue dosing machines upon request.



KOPTRONIK

Case Clamp

COMPETENCE CONCERNING CABINET PRODUCTION

Success all down the line requires flexible solutions.

Creativity and innovation produce smart solutions

Since 1955 HÖFER-products have been field-tested all over the world. The users of these machines appreciate their quality, precision and long-life cycle.

The high quality of our products are generated by:

- the creativity of our engineers
- the spirit of innovation
- a reliable and customer oriented consulting
- an involved production-team in Taiskirchen/Austria

All this belongs to our know-how and is implemented in

- carpentries
- wood-industries
- furniture-industries
- car- and car-supply industries
- composite processing
- metal processing
- synthetic industries
- chemical industries etc.

HÖFER produces and assembles all machine components in their 10.000 m² state-of-the-art production facilities.



Quality from Austria 

www.hoefer-maschinen.com

A head start needs to be apparent.

The whole is greater than the sum of its parts

Many components have to play their parts in order to process material prim and precise:

- practical oriented design and construction
- used materials and production methods
- safety features and equipment, which protects but does not interfere and
- long-ranging spare-part supply.

We implement all this into our case clamp very consequently.

The **Ball Screw Spindles** that HÖFER use guarantee:

- high durability and precision with
- a long life span and
- a minimum of maintenance, as well as
- a highly developed dust strip system and
- very smooth operation.

These high-precision spindles are used in CNC machines for feed movement. Both lamella pressure walls are each moved by means of 2 ball screw spindles. These spindles are connected together with a drive belt, creating a uniform movement during closing and opening.

Extremely solid construction of the case clamp and its components make the Koptronik a very resilient and at the same time precise machine. The high availability level and long life span guarantees high investment profitability.

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Case Clamp economical and efficient

An Overview of the Case Clamp

When something good gets even better - the HÖFER KOPTRONIK with touchscreen.

This highly developed and practically oriented case clamp is used for the precise angle pressing of units, as well as for drawers, arches, designer furniture, frame joints and more. The pressure wall system is comb interlocked, parallel and at a precise angle to the chamber wall. For this reason, all right-angled pieces can be pressed concentrically, without exhaustive equipment requirements.

The press force is built up via a frequency controlled gear motor and can be set to each individual pressure wall.

- Matching market requirements, the KOPTRONIK is now equipped with a high-resolution colour touchscreen. All production-relevant operating elements are clearly laid out. The user has the option to set the machine's parameters according to needs and requirements in the various operating modes. This is a great advantage, especially in the multifaceted applications, (e.g., unit, frame and design glueing work), in which the case clamp can be used.

- **Faster Processing Speeds:**

These accessories contain a front light barrier as well as a 8-spindle construction. The processing speed in the fast speed setting is increased from 50 mm/sec to 200 mm/sec. Now you only need 5 seconds to process 1 m! The conversion to the optimum press speed is managed automatically via a proximity switch. The "Preset Opening Path" mode of operation allows the pressure walls to be automatically set to 5 freely adjustable positions.

An extensive range of accessories means even more rational and more efficient unit manufacturing and is an essential work-saving measure at the preassembly or final treatment stages, making single-person operation a possibility.

Safety is a priority

A lockable main switch is included, which complies with the safety regulations. By operating the rear-mounted safety rip cord or the emergency stop button, all operation ceases immediately. In manual operation mode, a button has to be constantly pressed to instigate the closing movement. If this button is released, all operation ceases immediately.

The machine meets the EC Machinery Directive for mechanical engineering (2006/42/EC - CE certified).



Fig.: **Case Clamp KOPTRONIK**
with following additional equipment:

- Machine feet
- Airjets in machine base

OUR STRENGTH APPEARS IN DETAILS



Operating console
Clear arrangement of the operating elements in the control console with touchscreen, maintained-contact button, control switch for 8 movement directions, as well as the emergency stop button.

Touchscreen
Modes of operation: synchronically, hand, pre-pressing horizontally / vertically.
Data display:
• Pressure of the horizontal or the vertical pressure wall – separated from one another
• TARGET / ACTUAL pressing time.



Synchronised pressing
Using an electronically controlled proximity switch, the operating speed is reduced approx. 10 mm before the work piece down to pressing speed. The pressure walls presses the unit synchronically with the preset pressure.



Angle precision
Precise right-angle pressure frames and tightly bound pressure lamella guarantee precisely angled units and the best pressing results.



Machine Parameters
The following machine parameters can be set:
• Pre-pressing from above or from the side
• Number of pre-pressings
• Opening width following pressing process
• Activation duration of the airjets in the machine base.

Input Fields
This is where you can enter and change the desired data, depending on the requirements. Error minimisation feature with minimum and maximum parameter settings.



Melamine resin plates
These build up a steady counter-pressure, with a wear-resistant, adhesive-repellent and calibrated melamine resin plate (Compact plate), providing a completely sealed surface with uniform pressure while pressing.



Pre-assembly table
Format 2500 x 700 mm
Use for pre-plugging the units. Solid construction, adjustable, with supporting wheels, optionally equipped with pneumatically height-adjustable, non-powered roller strips (Accessory).



Ball screw spindles
The intercombing pressure walls are set in motion by 2 ball screw spindles. These spindles are extremely durable, precision instruments with improved smooth-running features and a fully developed dust wiping system.

Construction
The basic frame is manufactured from solid rolled sections. The press base and side of the press are constructed from solid, heavy duty I-beams, guaranteeing precise angle pressing operation.



Combined set-up station and discharge roller way with allround rollers
For easy, energy-conserving, manpower-saving construction of tall units - can also be used as a discharge roller way (Accessory).



8 spindle construction
Essential for units which have to be positioned eccentrically for fixing the rear wall (Accessory).



Intercombing pressure walls
The thick-walled formed pipes and flat steel reinforced pressure walls are precisely manufactured and are coated with proven melamine resin plates.

4-point guiding
In order to compensate for the torsion forces present when pressing units, each pressure wall is strengthened on all four of its basic frame sides.



Airjets in the machine base
For material and energy-saving loading and unloading. Division into 6 compartments provides for uniform air circulation across the whole machine base (Accessory).



Light barrier
Mounted on the operator side. For an automatic pressing process. The next unit can be preassembled while the press is closing. A protective grid is fixed on the rear side of the press (Accessory).