



## EXENSO BASIC AND EXENSO COMFORT

The ideal Length Stop System for machine tools.



# PERFECTLY COORDINATED: THE NEW SAW COMBI-SYSTEMS FROM HECHT

# EXENSO LENGTH STOP SYSTEMS: USER-FRIENDLY AND INTELLIGENT



Exenso Length Stop Systems from Hecht are precision positioning systems suitable for a number of machine tooling applications, and are designed to achieve optimal utilisation of timber, metal and other materials.

Customised software tools can optimise results and features to match the customer's specific requirements. Automatic logging means a subsequent analysis can be made of all process steps, and this transparency in the production process provides additional reassurance. All Hecht systems are developed to meet practical needs and are designed for ease of use: straight-forward entry of measurements using the tried and tested Hecht position controller, together with program-

mable function keys, make the workflow faster and smoother. In the Exenso Basic model, values are displayed on a large LCD screen. In the Exenso Comfort model, measurements are entered and cut lists are managed via a touchscreen. A network-capable controller with ethernet connectivity for data transfer make Hecht positioning systems a future-proof investment for all requirements.



Exenso Comfort with a glazing bead saw arranged for simultaneous cutting of 2 glazing beads.



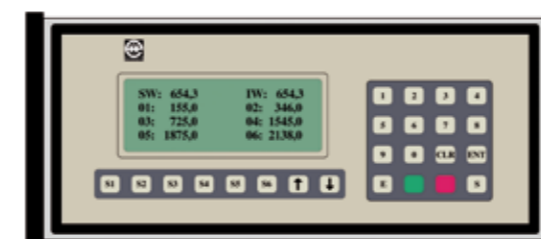
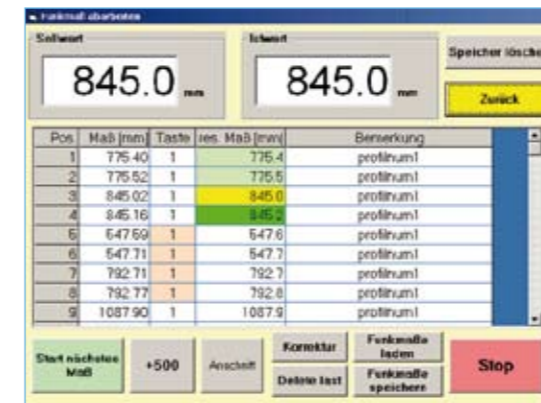
Exenso Comfort with roller track and crosscut saw setup.



Exenso Basic with deposit tray for GMF measuring calipers, set up with a glazing bead saw.



Excellent handling, fast and smooth operation: GMF measuring calipers measure glazing beads, store data, and transfer it to the controller. Standard length of 1.5 m with possibility of 1 m extension.



## QUICK AND EASY DATA ENTRY

- User interface
- Directly enter starting positions
- Specify external data source

## PRECISION ASSURED AT THE PUSH OF A BUTTON

- Work sequence using the data transferred from the GMF measuring calipers
- Colour indication of status or current position

## CONVENIENT ORGANISATION OF YOUR MEASUREMENTS

- Measurement data can be transferred to the controller over an internal network (ethernet). Direct data connections can be made: for example to your window-frame manufacturing software, or via the input of a process schedule prepared in the form of an Excel sheet.
- Colour indication of status and current position

## EXENSO BASIC CONTROLLER

- Easy measurement value input via tried and tested position controller. Recall of up to 60 alignment positions.



- Table mitre saw integrated with length stop system
- With a swivel range of 15-90-165 degrees
- Available saw blade diameters 500-800 mm
- Automatic rotary table adjustment
- Automatic length compensation for angle settings
- Optimisation software with management of cutoff pieces



- Hecht profile saw for automatic sawing of aluminium, wood, and plastic profiles: under-table angle setting 30-150°
- Single cut and sequential cutting with storage of angle combinations
- Automatic processing after clamping and two-hand start
- Max. saw blade diameter 300 mm Ø (Pict. saw without protective cover)

## EXENSO COMFORT LENGTH STOP SYSTEM SET UP WITH TWIN MITRE SAWS

- Processing anodised aluminium profiles
- Data input from EDP system



## EXENSO COMFORT LENGTH STOP SYSTEM SET UP WITH CHOP SAW

A customised PC-based operational data input system can be controlled via the touchscreen controller at the unit itself, enabling data files to be handily stored and recalled. Exenso moves automatically to position and commences sawing. The subtraction measurements and optimising software reduce cuttings and save time in processing.

## HOW IT WORKS

- The incoming/outgoing side heights are adjusted by servo-motor according to the thickness of the supplementary plate
- A program is started or lengths and angles are entered
- Place the profile in the collet
- Start
- After an initial cut, the profile is cut to length
- The conveyor belt is paced to match the length of the work piece
- A sensor recognises when the belt is full
- The saw blade swivels automatically to 45-90-135 degrees
- Fully automatic length correction



## INTEGRATED WITH PUNCH EQUIPMENT

- Pusher operation
- One-by-one punching of clamped profile
- Any interval distance
- Limit-stop operation
- Measurement values input online from cutting control centre for PVC window manufacture

## EXENSO – A SERIES WITH MANY ADVANTAGES

### EXENSO COMFORT

User-friendly touchscreen monitor for fast and convenient entry of values. Chain and absolute measurements, as well as CSV format files and optimisation programs can all be stored. Exenso Comfort has proved itself particularly effective when you have a large number of measurements or frequently changing values. Operation is menu-driven, language of choice can be programmed.

### EXENSO BASIC

Function keys on the tried and tested Hecht position controller allow straight-forward input and storage of up to 60 alignment positions. Large LCD screen displays values over 4 lines.

### Technical specification for EXENSO COMFORT and BASIC

- Linear guide unit 80 x 80 mm aluminium profile with double-sided steel shaft guides
- Individually adjustable working height
- Accuracy 0.1 mm
- Carriage speed 60 m/min (120 m/min option)
- Servo-motor

- Reversible swiveling
- Aluminium tray or roller track
- Standard adjustment range 2.600 mm, extra length up to 7.000 mm possible

### Optional

- Connection to wireless measuring calipers, barcode scanner and printer
- Pusher operation
- Roller track 310 or 410 mm width, also with steel rolls

### Optimisation programs for EXENSO COMFORT

- **Package 1:** Length control by a sensor; after first cut optimized cutting
- **Package 2:** Length control by a sensor; after first cut optimized cutting, software for management of cutoff pieces
- Connection to industry software possible
- CSV Data can be uploaded; an order created in Excel format can be opened directly in the program of the Exenso Comfort

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