

# EDGESEQ

## S-380

**The highly flexible allrounder.**

Fast feed, powerful, large screen.







**Rediscover your  
competitive edge.**



# Perfect edges produced with flexible machines for demanding customers

Individual customer requirements, sophisticated products and a wide range of materials — these are all requirements that play a key role in today's wood processing sector. It is therefore important that production is flexible and efficient, especially in woodworking shops and for medium-sized businesses.

HOMAG offers you unbeatable advantages, has an international production network as well as sales and service companies, with a presence in more than 100 countries and around 7000 employees. HOMAG can help make your business competitive and ensure lasting business success.

## YOUR SOLUTION

[MORE AT HOMAG.COM](https://www.homag.com)



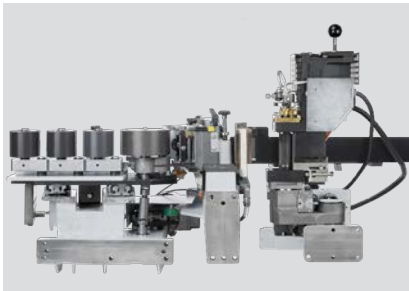
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## You can choose between two models

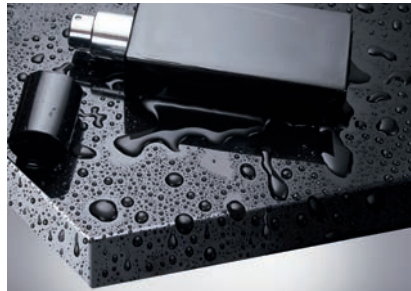
### THE MOST IMPORTANT FEATURES

What distinguishes the series is the extensive equipment, including a belt top roll pressure unit for precise workpiece guidance, as well as optimized trimming tools for optimum chip removal and perfect processing quality. A variable feed rate for different performance classes ensures a high level of productivity. In addition, all machines can be extended.



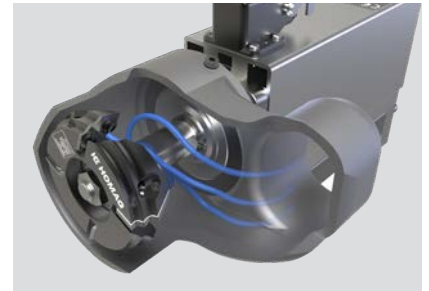
#### Gluing units for safe hot-melt glue application

HOMAG gluing units are ideal for fast, solid gluing of EVA and PUR. The heated gluing roller ensures an optimal adhesive temperature.



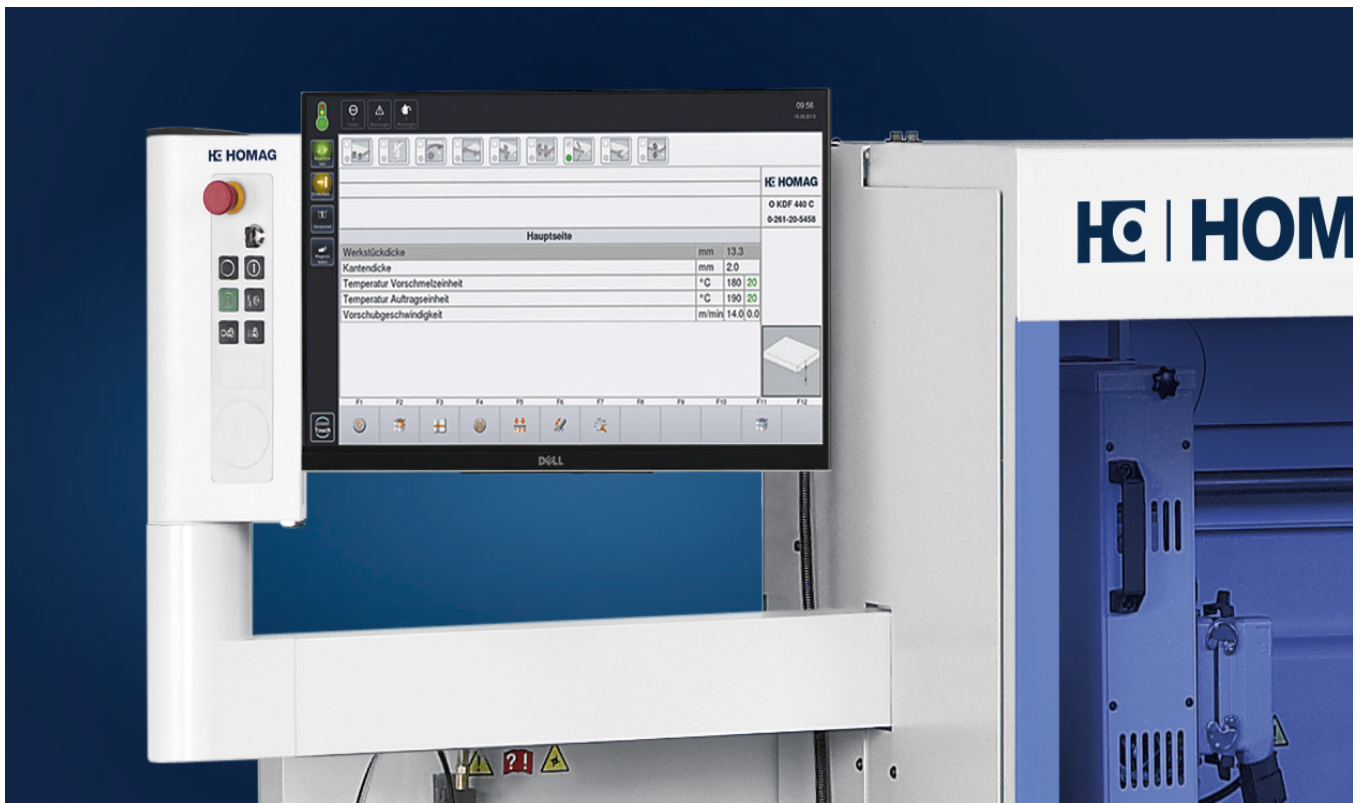
#### Edge gluing with PUR

At HOMAG, PUR glues are processed on the same machines and with the same application unit as EVA hot-melt glues.



#### Controlled chip collection

The chips are suctioned up in the interior and fed to the extraction hood in a targeted manner. Reduced wear and tear and lower service costs increase profitability and service life. The reduced suction speed lowers energy consumption and costs.



### Intuitive operation with the powerTouch control system

Control machine functions directly using the multi-touch monitor in widescreen format. The ergonomic design and numerous help and assistant functions simplify operation significantly.



OPTIONAL

### Belt top roll pressure unit

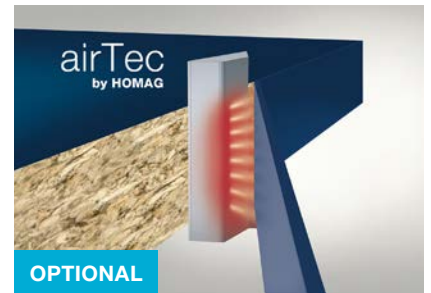
The steel top roll pressure unit with double V-belt provides the basis for the highest quality because your workpieces are optimally clamped for processing.



OPTIONAL

### Multi-profile technology

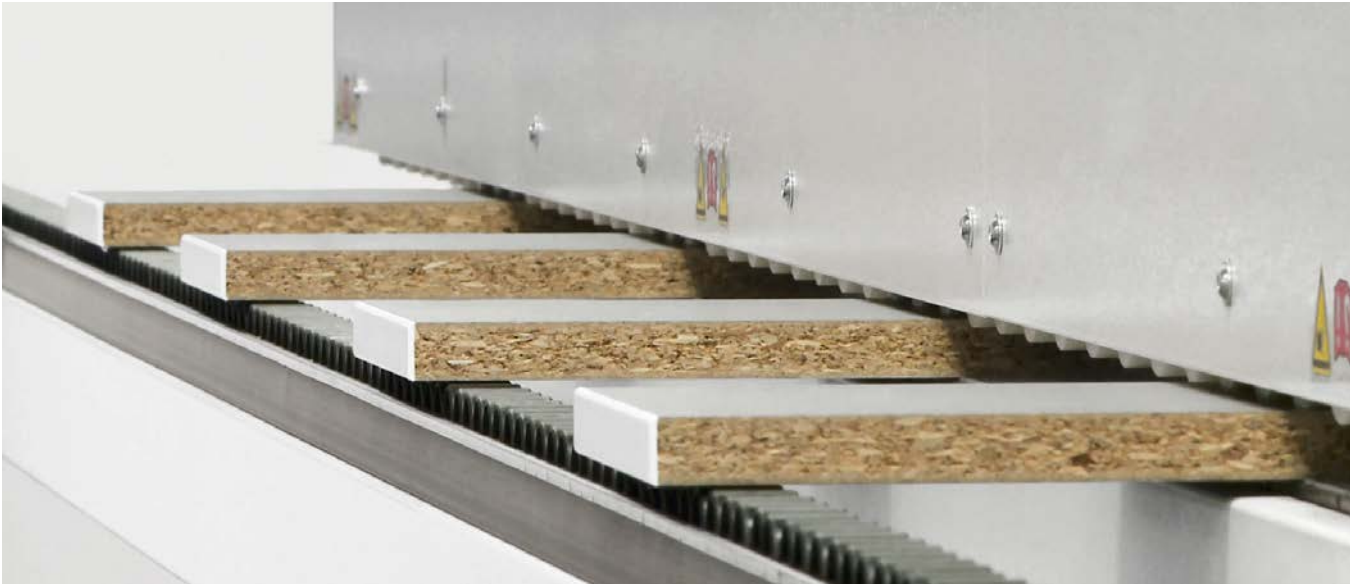
For easy adjustment of the units at the touch of a button. Saves time and increases quality.



OPTIONAL

### Zero joint technology with HOMAG airTec

The units are now equipped with a rotary fan heater, which improves the efficiency of the process, reduces noise and ensures a more cost-effective use of resources.



## Material types – Edge parameters

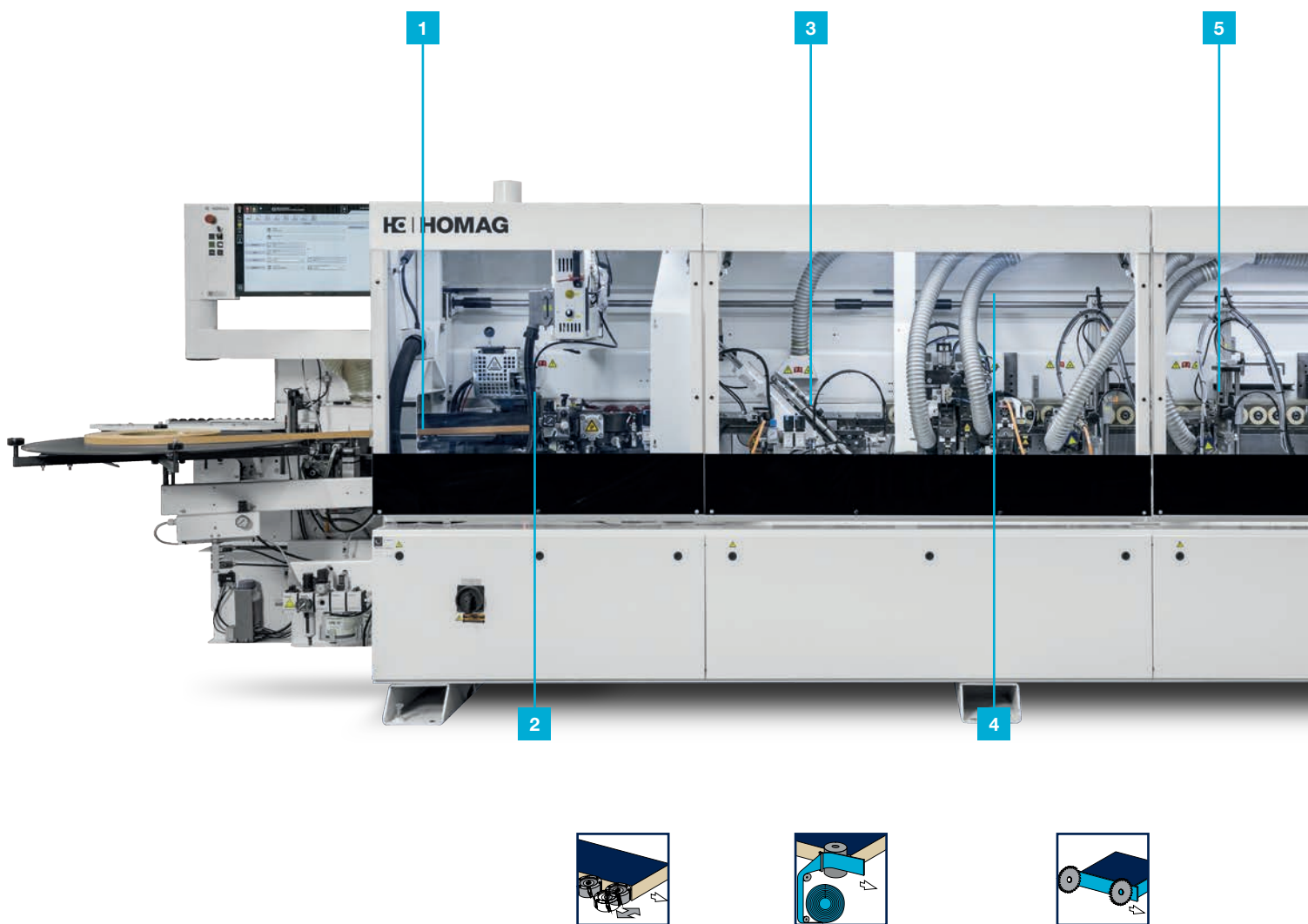
A high level of flexibility is achieved through the processing of all types of edge materials: 0.3-mm melamine, 3-mm ABS/PVC, 20-mm solid strip and veneer. For perfect high-gloss parts, important components such as the motorized top roll pressure unit and the automatic adjustment of the glue joint scrapers are used. Special tracing elements are ideal for processing sharp-angled or blunt-angled parts or parts with hinge holes.



|  |                 | a | b   | c    | d                  | e  |         |
|--|-----------------|---|---|------|--------------------|----|---------|
|  | SOLID<br>(mm)   |   | If b ≤ 22: min. 60<br>If b ≤ 40: min. 125 | 8–60 | 0,4 – 12,0<br>(15) | 65 | Max. 30 |
|  | ROLLERS<br>(mm) |   |   |      | 0.3–3.0            |    |         |
|  | STRIPS<br>(mm)  |   |   |      | 0.4–3.0            |    |         |







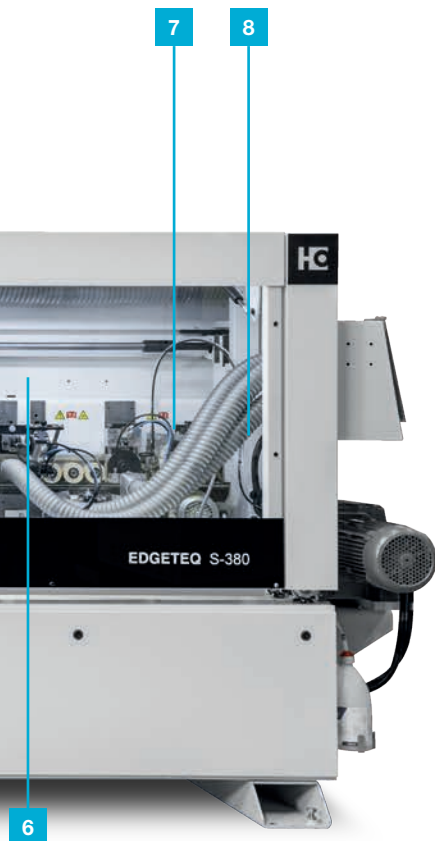
## EDGETEQ S-380 – Model Classic:

### Setting standards for performance and quality

The basic machine is equipped with a precise gluing station, a dual-motor snipping unit, a trimmer and a profile trimming unit. A radius scraper, a glue joint scraper and a buffing unit provide the perfect finish. The powerful motors of all units provide the unrestricted power required for processing the wide range of parts. In order to always be in a position to offer

the optimum solution, a joint trimming unit and a swiveling grooving unit (1670 FGC) are available for the machines. Thanks to the optional Quickmelt gluing station, the optional workpiece gap optimization for even more effective production and the available separating and cleaning agents, this series is optimally equipped for all requirements.



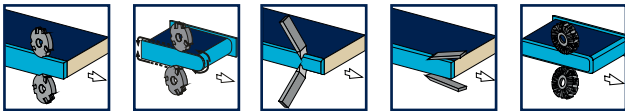


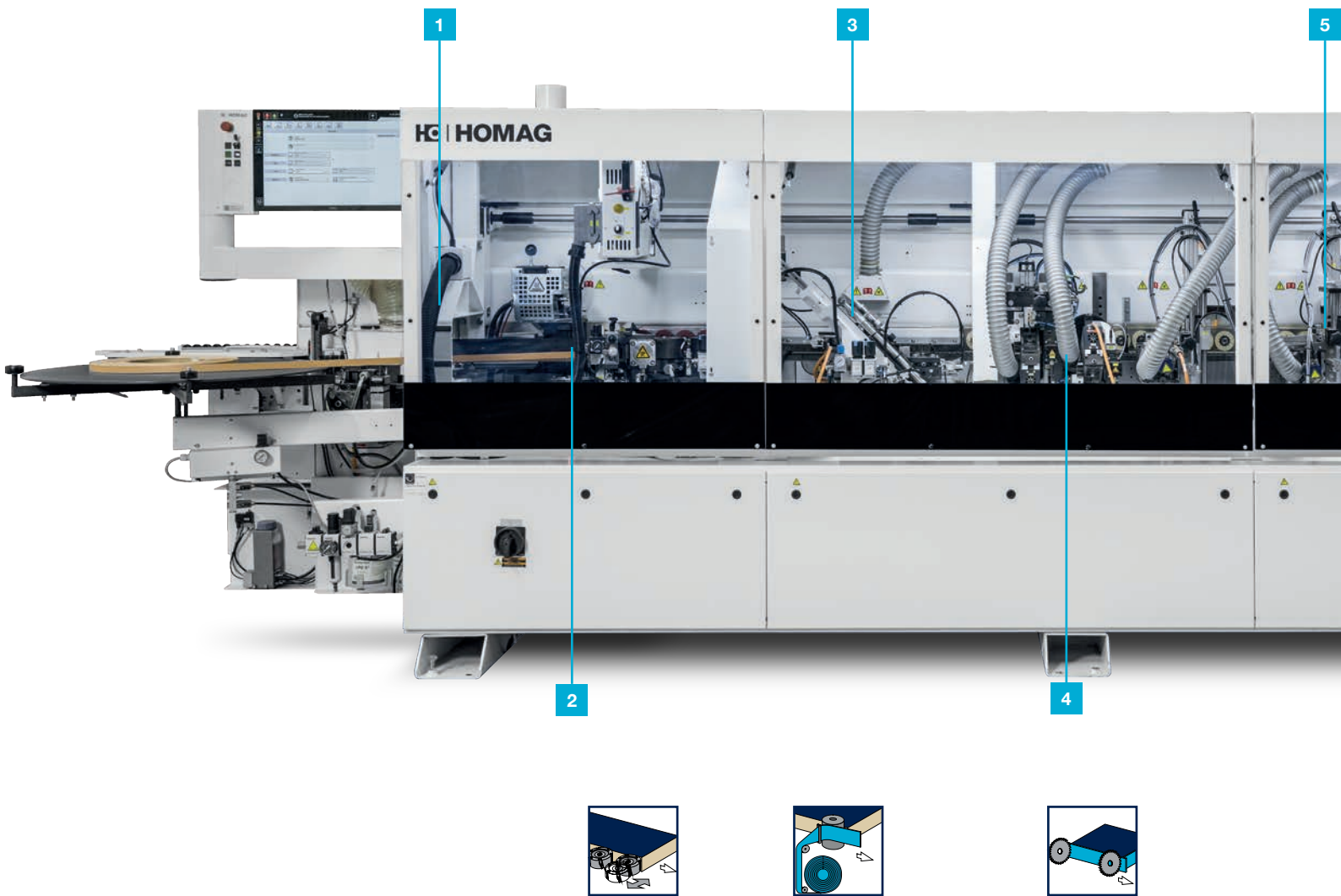
## EDGETEQ S-380

Model Classic

Feed speed: 8–18 m/min

- 1** Joint trimming unit
- 2** Gluing unit
- 3** Snipping unit
- 4** Trimming unit
- 5** Profile trimming unit
- 6** Profile scraper
- 7** Glue joint scraper
- 8** Buffing unit





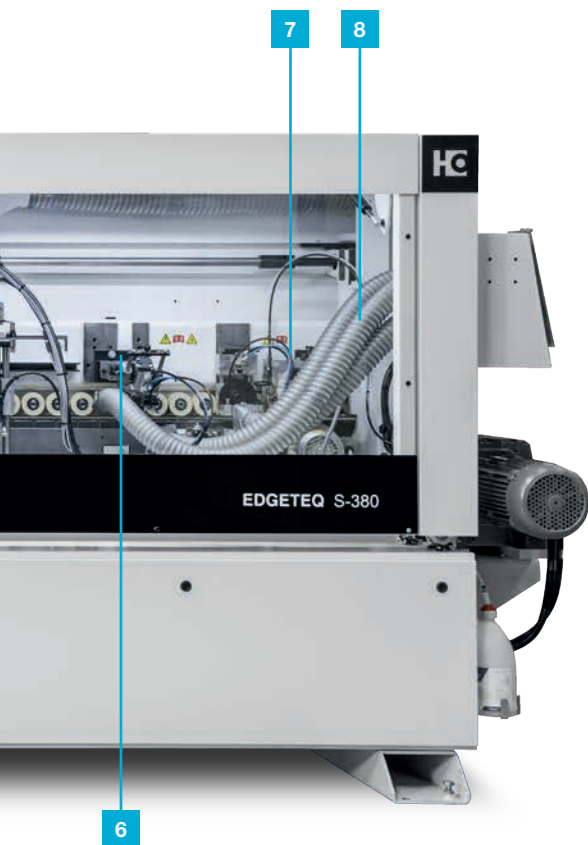
## EDGETEQ S-380 — Model Advance:

### Precision and performance for high demands

The basic machine is equipped with a precision gluing station, a dual-motor snipping unit, a trimmer and a multifunction profile trimming unit for corner rounding and flush trimming. A radius scraper and a buffing unit provide the perfect finish. The powerful motors of all units provide the unrestricted power required for processing the wide range of parts. In order to

always be in a position to offer the optimum solution, a joint trimming unit and a glue joint scraper are available as standard for these machines. The Highflex series is distinguished by its high level of automation and the extensive unit equipment. The high level of flexibility allows the machines to be aligned to your needs and guarantees optimal edges.



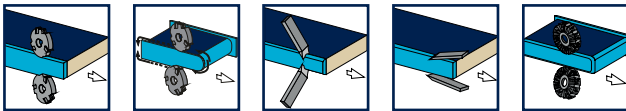


## EDGETEQ S-380

Model Advance

Feed speed: 8–18 m/min

- 1 Joint trimming unit
- 2 Gluing unit
- 3 Snipping unit
- 4 Pre-trimming unit
- 5 Multifunction profile trimming unit
- 6 Profile scraper
- 7 Glue joint scraper
- 8 Buffing unit

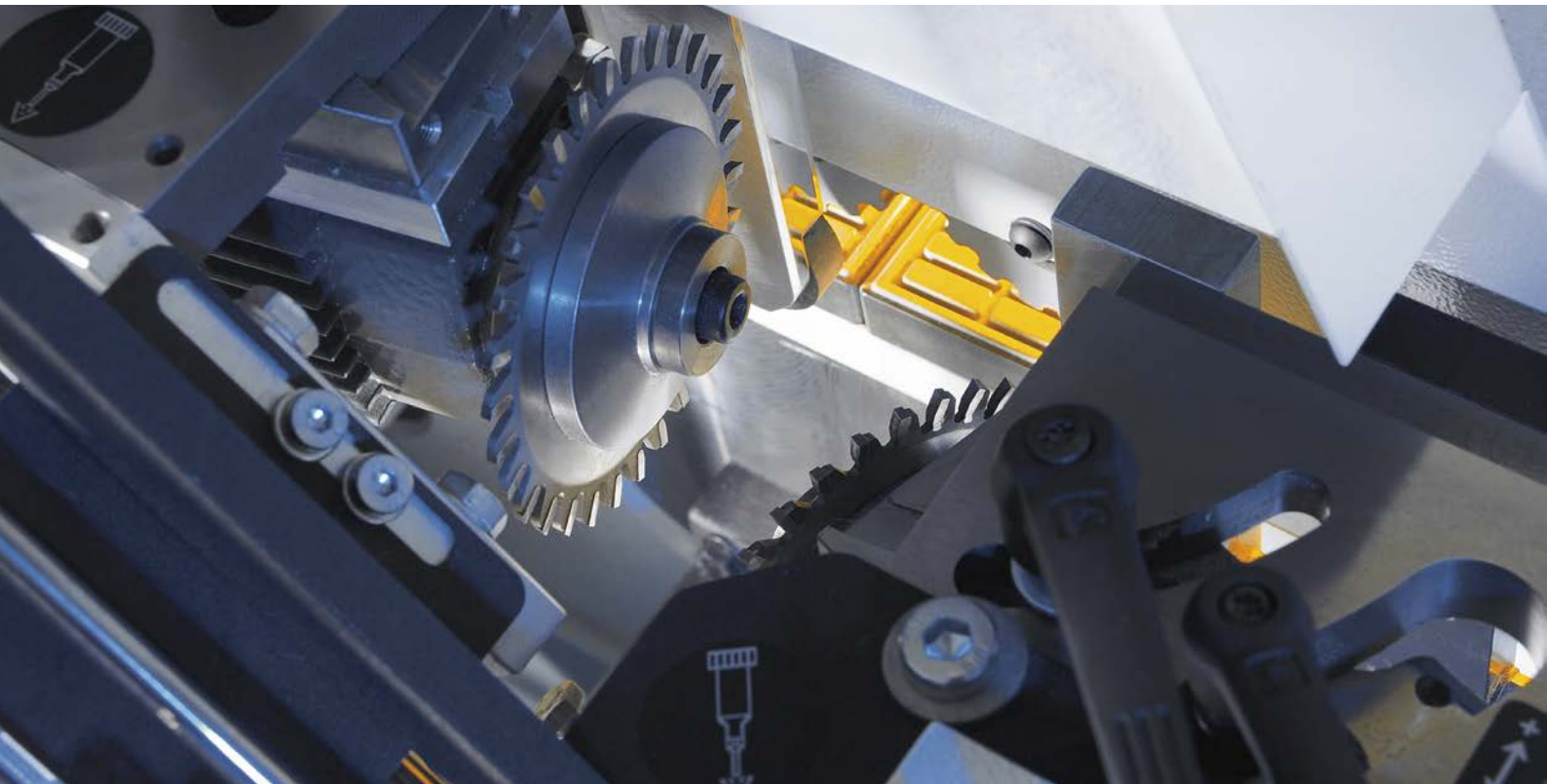


## Our unit modules:

### The right solution, whatever the requirement

For wide-ranging and diverse processing tasks, we use units from our tried-and-tested unit modules. We are constantly expanding our functions so we can offer you the right solution for new trends. The following pages contain units from the

fields of joint trimming, gluing, cutting, trimming, grooving and finishing. You benefit from a high level of precision, state-of-the-art technology and the ability to produce your products flexibly and efficiently.



## Guiding the workpieces

Workpieces need to be fed into machines precisely in order to achieve perfect edge quality. Take advantage of the benefits our solutions have to offer, such as infeed guides, infeed blocks, sliding carriages and workpiece supports.



#### Air cushion table

Air cushion table for safe loading of the machine.



#### Infeed block

For a minimum workpiece distance and safe operation.



## Sprayers (Optional)

Sprayers improve the edge quality throughout processing. Separating agents prevent hot-melt glue residues forming deposits and anti-static agents prevent plastic chips forming deposits.

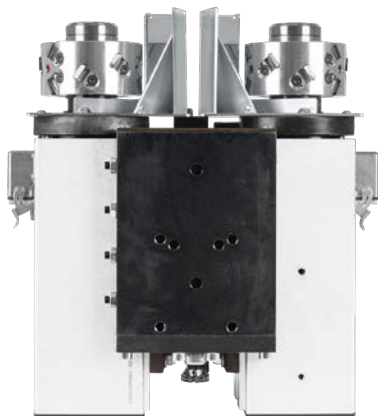
The adhesive residues can be easily removed using cleaning spray. Lubricants prevent shiny marks on the workpieces and protect sensitive surfaces before trimming.



- 1 Separating agent
- 2 Cleaning agent

## Joint trimming unit

Our joint trimming units form the basis for precise, absolutely straight and tear-free workpiece edges and glue joints with consistently high product quality.



### Joint trimming unit

Diamond tools ensure perfect cutting and a long service life, as well as optimal glue joint quality. The diameter is 100 mm.



## Systematic gluing

For solid gluing, it is crucial to achieve an optimum interplay of very different factors. On HOMAG machines, the workpiece preheating, application unit, quick-release system, melting unit, magazine and pressure zone are perfectly aligned.



### Workpiece preheating with heaters

High-strength gluing due to optimum workpiece preheating.



### QA65N application unit

For both EVA and PUR.



### Pressure zone

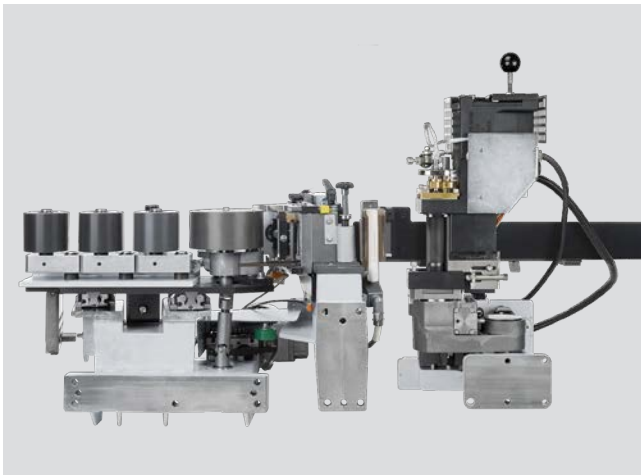
Heavy pressure zone up to 15/20-mm edge thickness and 60-mm panel height for optimum glue joint quality.



## Gluing unit — safe hot-melt glue application

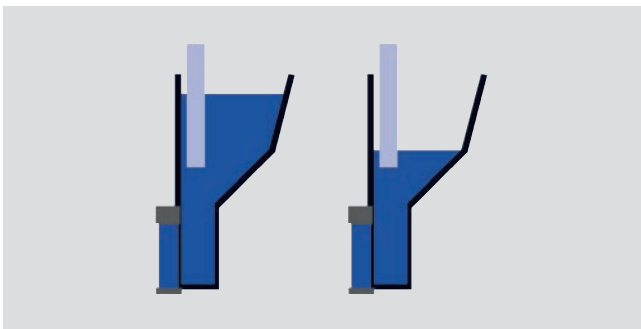
HOMAG gluing units are ideal for quick, solid gluing. The heated gluing roller ensures an optimal adhesive temperature. On request, the gluing unit can be equipped with a melting

unit for you for a high level of availability and optimum gluing quality.



### Top gluing unit — QA65N glue application system

The application unit can be easily removed by means of a quick-change device with pneumatic interface.

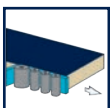


### Sensor for checking the fill level of the application unit

Switching to a lower glue level guarantees a fast heat-up time for processing small batch sizes.

## YOUR BENEFITS AT A GLANCE

- Short heat-up time thanks to sensor-controlled level regulation (two levels can be selected)
- The application unit can be easily removed thanks to the quick-release lock
- Pre-melting unit for melting hot-melt glue automatically or manually as required
- Gluing roller with integrated heating unit guarantees a constant temperature and viscosity for all workpiece thicknesses
- Electro-pneumatic clamping of the gluing roller and tank prevents glue contamination to the rear edge of the workpiece
- Tracing pad prevents wear to the application roller and ensures a constant glue film thickness
- Gluing roller lifts when feed stops
- Automatic glue quantity metering



## More flexibility when melting the glue



### Melting unit for EVA

High availability, as the adhesive is melted only in accordance with adhesive consumption. The Quickmelt system ensures perfect glue quality.

- Melting capacity max. 8 kg/h



### Automatic glue quantity metering

The application quantities are implemented quickly and easily via the powerTouch user interface for automatic glue quantity metering. The glue is applied in synchronous operation.

Precisely and quickly adjustable glue quantities result in:

- Optimal gluing quality
- Higher availability and performance
- Greater cost efficiency

# PUR glue and HOMAG — a strong connection

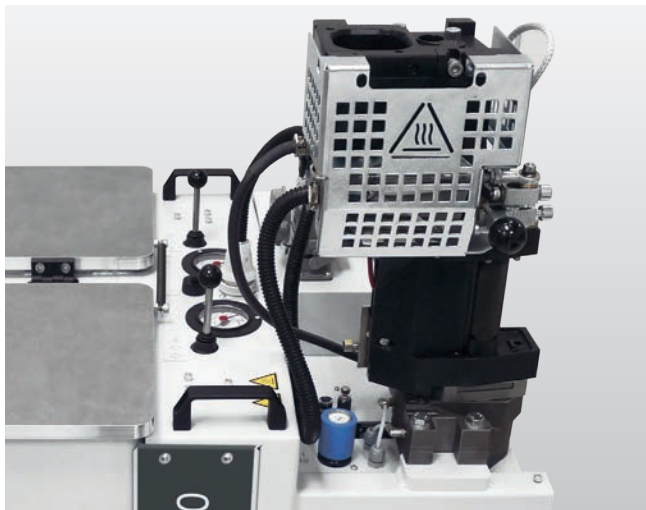
Using polyurethane (PUR) hot-melt glue increases the resistance of furniture to moisture and heat. It is ideal for use on furniture in damp areas such as bathrooms, kitchens and laboratories.



## Your HOMAG PUR benefits at a glance

- One application unit for all types of adhesive
- No additional application unit required
- Fast, powerful thin-film application by means of gluing roller with integrated heating unit
- To be used as standard from the entry-level model to the high-end machine





#### Service station

The application unit in the holding device for preheating



**OPTIONAL**

#### Service station

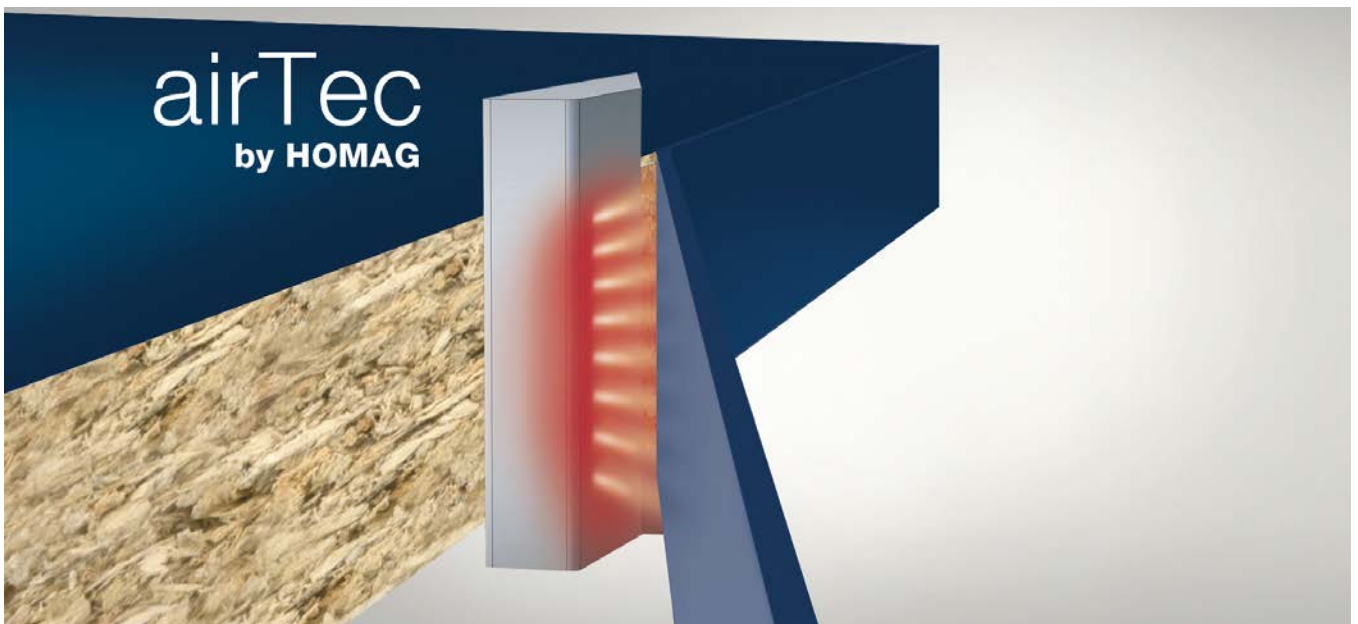
- Preheating and cleaning station for the QA65N application unit with one storage position
- High level of flexibility thanks to up to two vacuum containers for one QA65N application unit or one PUR melting unit with 2.5 kg/h capacity
- No vacuum pump and no nitrogen necessary
- With optional accessories also for application units for the powerEdge Pro/Pro Duo CNC edge banding unit



**OPTIONAL**

#### Vacuum container

- Compact, portable container for the PUR application unit or a PUR melting unit with 2.5 kg/h capacity
- No vacuum pump and no nitrogen necessary



## airTec — an ideal introduction to zero joint technology

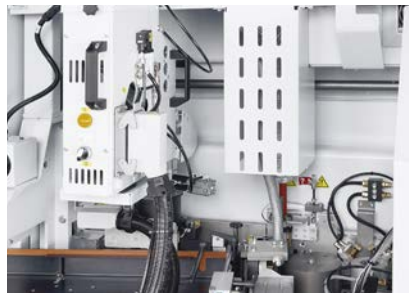
The airTec process has established itself as the optimum zero joint solution for woodworking shops and medium-sized companies. At the core of the HOMAG airTec unit is a powerful, resource-conserving rotary fan heater, which is

also distinguished by a significantly reduced noise output. All laser-compatible edging types that are currently available on the market can be processed with airTec. This means great flexibility for all materials and colors.



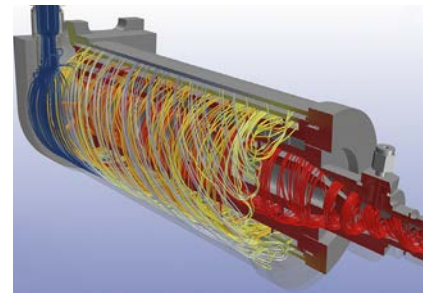
### Gluings edges "without joints"

In the airTec process, the edge and panel are bonded using hot air. This requires the use of special edges. These consist of a decorative layer and a functional layer. Using the HOMAG airTec unit, the functional layer is melted at a constant temperature and volume outflow and optimally applied to the narrow surface.



### Easy integration

The airTec reactivation unit is installed in such a way that you can work with either the standard application unit or the airTec system. The anti-static spraying device for an optimum processing result is included in the standard version of all airTec units.

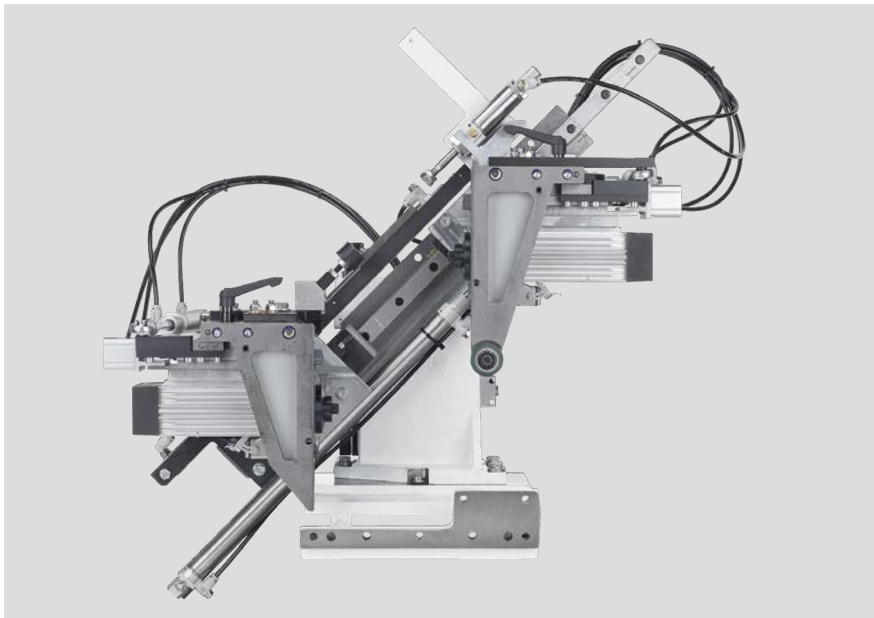


### Innovative rotary fan heater

This source of energy heats the air and simultaneously serves as heat storage that can then be used to heat the air again. In addition, less air is required and the heating effect on the surrounding area is minimized. Any noise is almost exclusively produced during the activation process and is below the noise level of other processing units.

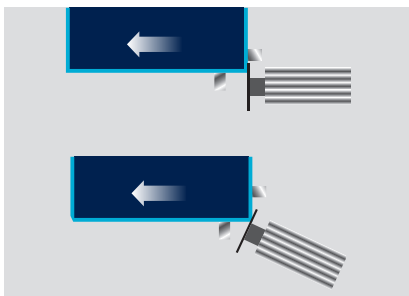
## Snipping unit for cutting the overhangs on the front sides

For processing the edge overhang on the front and rear edge of the workpiece. The front side can be snipped straight, with chamfer or with overhang.



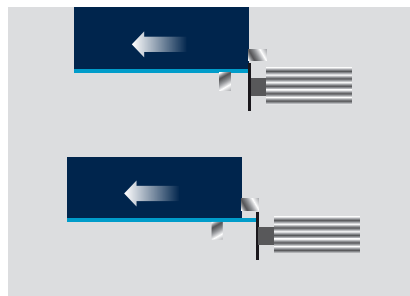
### Snipping unit

An exact snipping cut thanks to a robust snipping unit with extremely precise linear guide and workpiece gap optimization (optional) for a higher output in the same processing time. Soft-touch function for optimum snipping results even at high feed speeds.



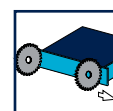
### Automation in the standard version

Pneumatic adjustment of the snipping motor for chamfers/straight lines, for a quick change between straight-line snipping and cutting with a chamfer.



### Can be automated

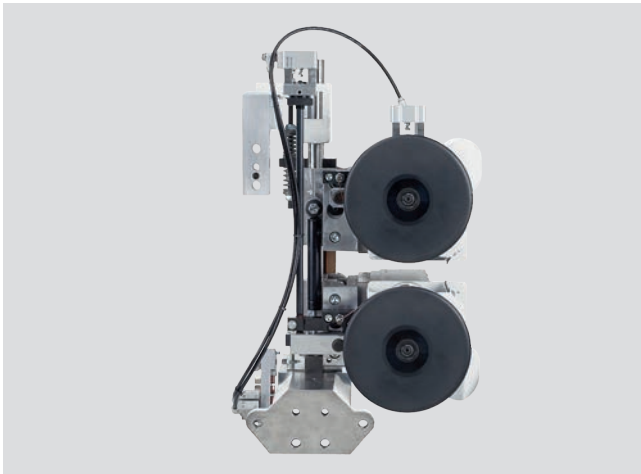
For a quick change between flush snipping, e.g. of solid strips or shelves, and cutting with an overhang for profil trimmig results.





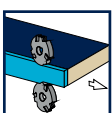
## Model Classic – Trimming units for flush trimming

The pre-trimming and fine trimming units offer the perfect solutions for processing edge overhangs. The trimming units are only equipped with tools that collect the chips in a controlled manner.



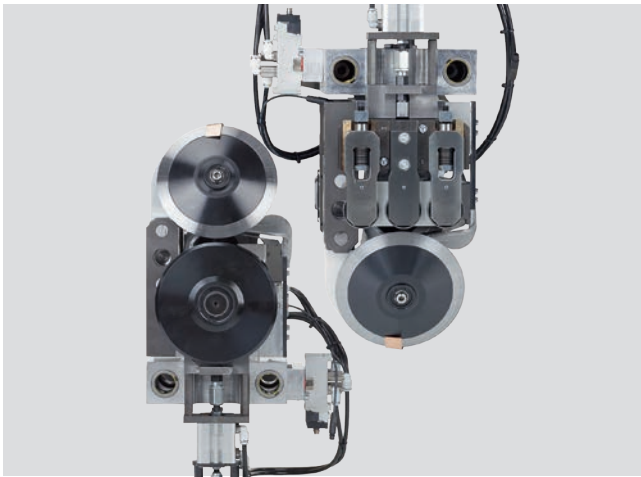
### Pre-trimming unit

For pre-trimming all standard edge types.



## Model Advance – Trimming with multi-level technology

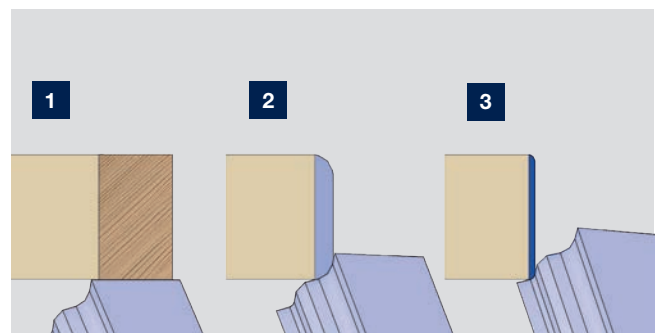
The range of edges and panel materials is continually growing and so is the demand for flexibility. It is immaterial if edges are made from plastic, solid wood or veneer, or if workpieces have high-gloss surfaces. The multi-level trimming unit always offers the optimum profil for frequently changing applications, and therefore the best results.



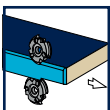
### Multi-level trimming unit MS 40

Fully automatic changeover to three different profiles using servo motors\*.

\* Servo drives consist of motors with infinitely variable adjustment. They impress thanks to a high positioning accuracy and are particularly suitable for small positioning distances.



- 1** Flat
- 2** Profile 1
- 3** Profile 2



## Profile trimming units

The profile trimming units are universal. As a user, you have the option to manually adjust the units or perform programming using the control system. The design is then

executed up to a speed of 18 m/min with extreme precision. Our profile trimming units enable both corner rounding and trimming of the upper and bottom edge overhangs.



### Structural shelves

Profile trimming is also possible on workpiece sides without an edge. This applies not only to structural shelves, but also to upper and lower shelves, shelf inserts and partition panels.

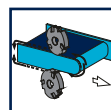


### MF50 multifunction trimming unit

For processing edge overhangs on the upper and bottom edge of the workpiece and copying of the corners of the front and rear edge. Equipped with automatic adjustment between thin and thick edges. Workpiece thickness 60 mm.

### Automated in standard

Infinitely variable axis adjustment for quick profile changes and adaptation to different edge thicknesses.





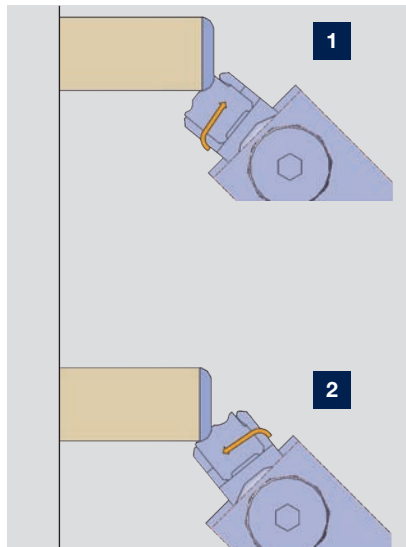
## Finishing units – Optional

Perfectly coordinated finishing units enhance the quality of your products. With optimally matched finishing units, HOMAG makes the quality of your products perfect.



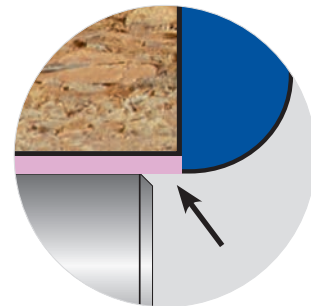
### MZ40 multi-level scraper unit

Fully automatic conversion to two different profiles through the use of servo motors with infinitely variable adjustment.

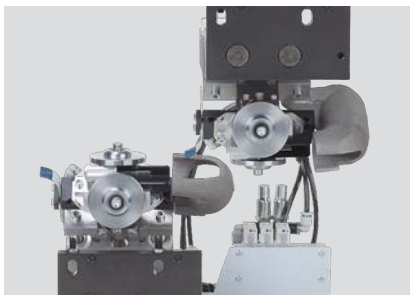


**1** Profile 1

**2** Profile 2

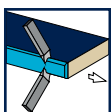


**Optimum compensation for protective films**



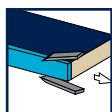
#### Profile scraper unit

Unit for smoothing radii and chamfers.  
Equipped with changer heads to allow rapid  
profile changes.



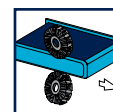
#### Glue joint scraper unit

For the perfect finish.



#### Buffing unit

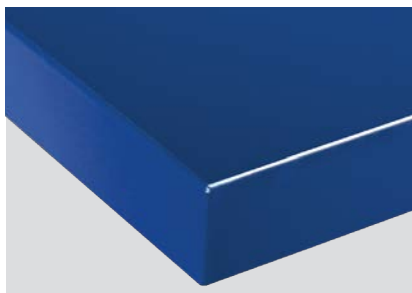
For polishing edges for a natural color.



## Special processing

To extend the range of functions of the machines for individual situations, we offer solutions for processing workpieces with protective film/high gloss, as well as for processing, for

example, sharp-angled or blunt-angled parts or parts with hinge holes, as produced in nesting.



### Workpieces with protective film/high gloss

For perfect high-gloss parts, the lubricant spraying device and the motorized top roll pressure unit are used.



### Motorized top roll pressure unit



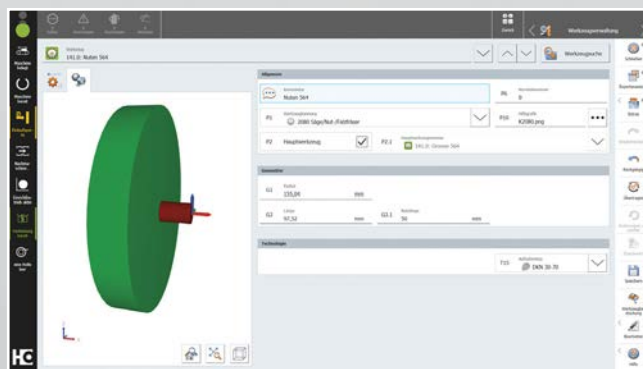
### Small parts processing

Greater flexibility in the production spectrum, as optimum workpiece guidance and processing are also provided for workpiece lengths < 240 mm to a minimum of 120 mm. This is achieved by a narrow roller pitch at the top roll pressure unit.

## 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.



### 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 5 on throughfeed machines)
- Fresh, attractive design, based on the new HOMAG machine design



## RCs 14 returns:

## Increased productivity for your edge banding machine

Workpiece returns are an optimal supplement to the machines of the EDGETEQ S-380 series. Single-person operation enables you to optimize your workpiece return flow, resulting in a streamlined and efficient production process.

### YOUR BENEFITS AT A GLANCE:

- **Increased efficiency**  
Reduction of labor costs
- **Flexible personnel organization**  
One-man operation
- **Plug & Play operation**  
No training required
- **Better quality control and process stability.**
- **Ergonomic operation**  
Reduced operator fatigue
- **Capacity availability at all times.**



| TECHNICAL DATA             |                     |
|----------------------------|---------------------|
| Conveyor speed* [m/min]    | 8 - 14              |
| Workpiece Length [mm]      | 300 -2450           |
| Workpiece Width [mm]       | 120-1450            |
| Thickness [mm]             | 8-50                |
| <b>4 Side processing**</b> |                     |
| Min workpiece size [mm]    | 300 x 300           |
| Max workpiece size [mm]    | 1450 x 1450         |
| Max workpiece weight [kg]  | 50                  |
| Mass / unit area [kg/sqm]  | 25                  |
| Working height [mm]        | 835 -950            |
| Controls                   | Independent         |
| Connected Load [kW]        | 2.5                 |
| Electricals                | 3ph, AC 400V, 50 Hz |
| Control Voltage [V]        | 24 VDC              |

# Technical data

## EDGETEQ S-380 models

|  | CLASSIC  | ADVANCED |
|--|----------|----------|
| Overall length [mm]  | 5.773    |          |
| Adjustable feed [m/mm]                                       | 8 – 18   |          |
| WORKPIECE DIMENSIONS   |          |          |
| Workpiece width [mm]*<br>For workpiece thickness 8 - 22 {mm] | 70       |          |
| Workpiece thickness [mm]                                     | 8 – 60   |          |
| Edge thickness rollers [mm]                                  | 0.3 – 3  |          |
| Edge thickness strips / moldings [mm]                        | 0.4 – 12 |          |

\*Dependent on the workpiece thickness

# Apps and digital assistants.

Quick and easy support  
in your machine  
environment.

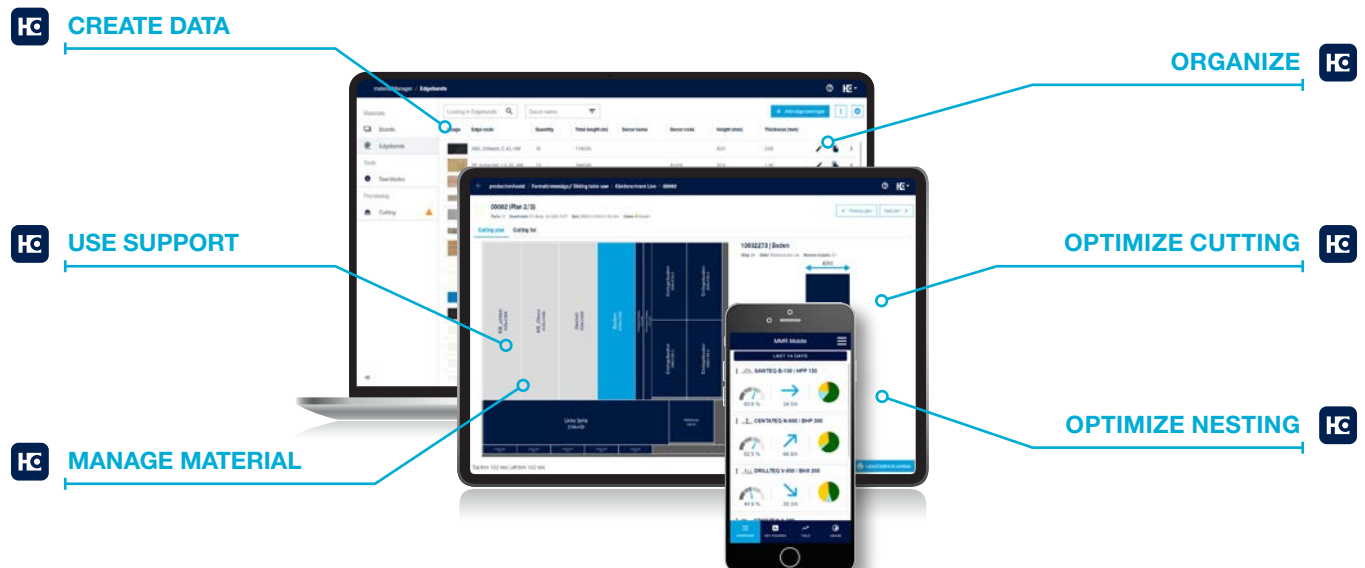
Some people still use pen and paper to create their cutting patterns. But they look at their smartphone if they want to know what the weather is like – instead of looking out of the window. We asked ourselves: why not combine the best of both? Our apps and digital solutions make your everyday work easier: machines, material, tools, cutting patterns, components – you always have everything in your pocket or on your desk.



More information at  
[digital.homag.com](https://digital.homag.com)

## WE HAVE DEVELOPED POWERFUL AND SMART SOLUTIONS FOR YOU:

- ✓ Always low investment
- ✓ Always up to date (no updates necessary)
- ✓ Always easy to use (no complex software)
- ✓ Always helpful



# VALYOU

Our Mission, Your Performance.

## LIFE CYCLE SERVICES

Improved performance, more efficient processes, faster help, assurance of availability and smarter working

### TEAM & COVERAGE

Largest global service network in the industry with over 1,350 personnel.

### INSTALLATION & COMMISSIONING

For a smooth start, we only let proven experts manage your setup.

### OPERATION & CONTROL

After teaching your personnel the intuitive control system, our clever apps help to make the operator's life much easier.

### MAINTENANCE & SERVICING

To keep things running, we're happy to take a preventative approach. You decide how often and how intensively you want the support to be. As we all know, prevention is better than the cure.

### eSHOP & ONLINE ADVANTAGE

A few clicks and it's fixed. Receive exclusive advantages by ordering spare parts online, depending on market availability. [shop.homag.com](https://shop.homag.com)

### HOTLINE & READINESS

When there's an emergency, we're here. Direct by phone, digitally via app or video, or with on-site support. We are close to you with over 90 regional service organizations worldwide. With more than 35,000 spare parts immediately available, we can deliver 85% of your orders fast.

### TRAINING & EDUCATION

With classroom, live online or eLearning training, we offer flexible options to help you get knowledge. We conduct over 4,000 customer training courses every year, and we even have our own training centers in 19 countries

### MODERNIZATION & IMPROVEMENT

Our modernization program is tailored to your machines and processes. We can evaluate your data and situation and advise you on the next step.

### ANALYSIS & SUSTAINABILITY

On request, we analyze all your processes with proven tools and procedures (LeanSixSigma). We have a large, certified team of experts for this purpose.

### FINANCING & CONSULTING

We offer you tailor-made financing concepts worldwide. With more than 60 years of experience and a close partner network of prominent banks and insurance companies to help us to find the right solution for you, we're always transparent and reliable in processing.





**Fast support:**

94% resolution rate  
via our hotline

**Close to you:**

1,350 service experts worldwide

**We get things moving:**

Over 1,000 worldwide spare parts  
shipments each day

**No one else has that:**

Electronic documentation on over  
150,000 machines, available in 28  
languages



**HOMAG Group AG**

info@homag.com  
www.homag.com

**YOUR SOLUTION**