

The complete range

Homag - your system
partner for every field
of woodworking



The Homag Group:

Everything from one reliable partner - working for your success

Any company seeking to process wood with outstanding economy and precision need look no further than Homag as a partner. The Homag Group is the world's biggest association of woodworking specialists. Which means access to a unique range of machines, plants and systems for sawing, sizing, drilling, trimming, sanding, edge banding, transportation, assembly...

The Homag range

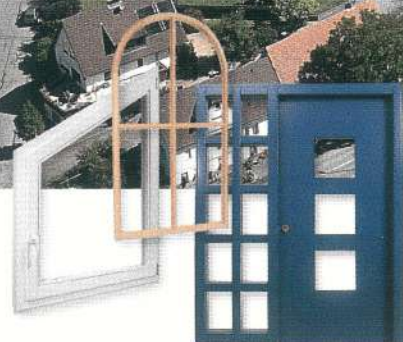
Sizing and edge banding are key areas of competence looking back on a long tradition at Homag. As the world market leader, we offer a comprehensive range:

- Combined sizing and edge banding machines
- Single and double-sided edge banding machines
- Double-end tenoners
- Postforming machines
- Transport elements
- Complete machine lines

Added to this are highly flexible CNC machines for stationary processing as well as a standardized control system used throughout the Group on a world-wide basis.

Our expertise working to your advantage

The future-oriented production possibilities open to the woodworking sector are something the Homag Group knows all about. Expertise and experience are exchanged between the Group members in every conceivable field. Through close cooperation and the use of compatible system components, Homag is able to offer you an unmatched spectrum of different plants and machines. And when it comes to complete projects, worries about compatibility, interfaces, performance parameters and coordination are a thing of the past: What you buy is practically a complete plant from a single market partner - from Homag.





Parent plant of the Homag Group in
Schopfloch, Baden-Württemberg

Stationary technology

Throughfeed technology

Low-cost solutions for industry and cabinet shop

Whether the furniture industry and its suppliers, whether interior fitters and cabinet shops - the companies which make up the Homag Group offer a complete, ideally coordinated range for streamlined woodworking which encompasses machines from three performance categories:

- **Optimat** - the versatile standard machine range featuring the familiar high standard of Homag quality at low cost
- **profi** line - the innovative machine range to address stringent demands in terms of precision and economy
- **power** line - the superlative high-tech range offering outstanding performance right from batch size 1!

The consistent modular structure opens up scope for customized solutions - whether for standalone machines or whole production lines.

The KL series:

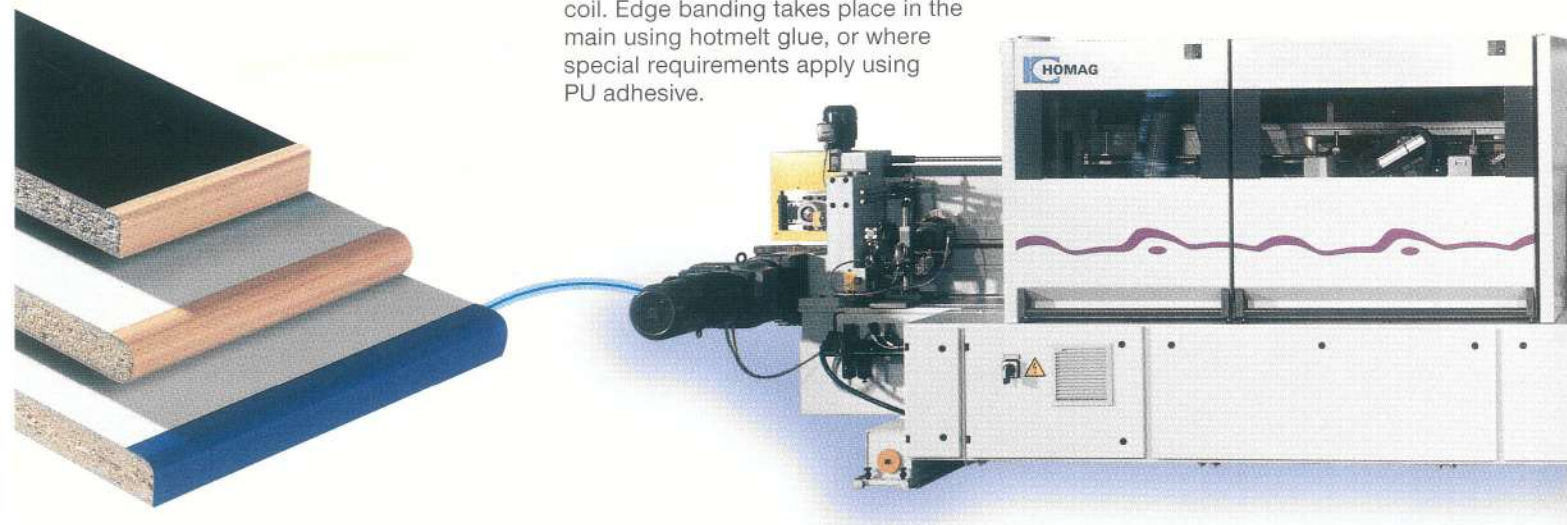
The successful range for straight and softforming edges

The KL series: The successful range for straight and softforming edges

Any edge banding machine designed for practical everyday operation must permit efficient, flexible application for any type of edging material - like the Homag KL series. This series lends itself to work with any type of material: Solid wood, melamine, PVC, ABS, veneer edges etc.; optionally in the form of fixed length material or off the coil. Edge banding takes place in the main using hotmelt glue, or where special requirements apply using PU adhesive.

Two models to choose from

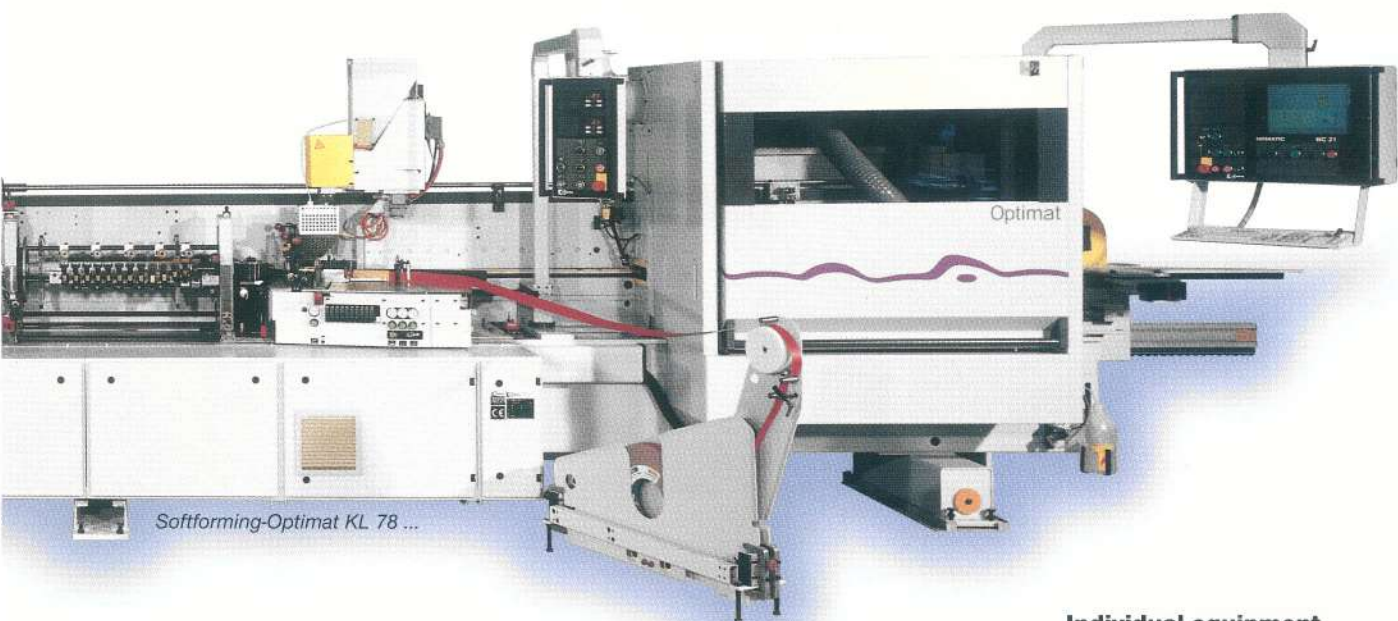
The KL series is configured specifically either for processing straight edges or for softforming edges. It comes equipped with a gluing unit, edge magazine, pressure zone and finish processing units - alternatively with an upstream jointing section. When working with softforming edges, first the profile is trimmed then the edge banded in line with the profile and finish processed.



Optimat KL 70

The most important features:

- Hard-wearing design
- Maintenance-friendly machine structure
- Environmentally compatible technology
- Maximum operating convenience
- Modern, functional design



Softforming-Optimat KL 78 ...

Individual equipment

It is primarily the perfection of the finish processing which determines the overall quality of a workpiece. With a wide range of units and options - from rough trimming through to scraping and finishing - Homag supplies every conceivable requirement, whether processing, feed output or automation.



FL and NFL series:

Double-end tenoners for precise formats

Double-end tenoners are among the most important machines for streamlined processing of coated chipboard, solid wood workpieces, MDF and other panels. They are characterized by high output, versatility and flexibility.

Solid, reliable engineering

Homag double-end tenoners are hardwearing, compact and highly reliable machines guaranteeing dependable and precise workpiece guidance. The feed can be steplessly adjusted and adjusted to varying tool and material requirements.

profi line

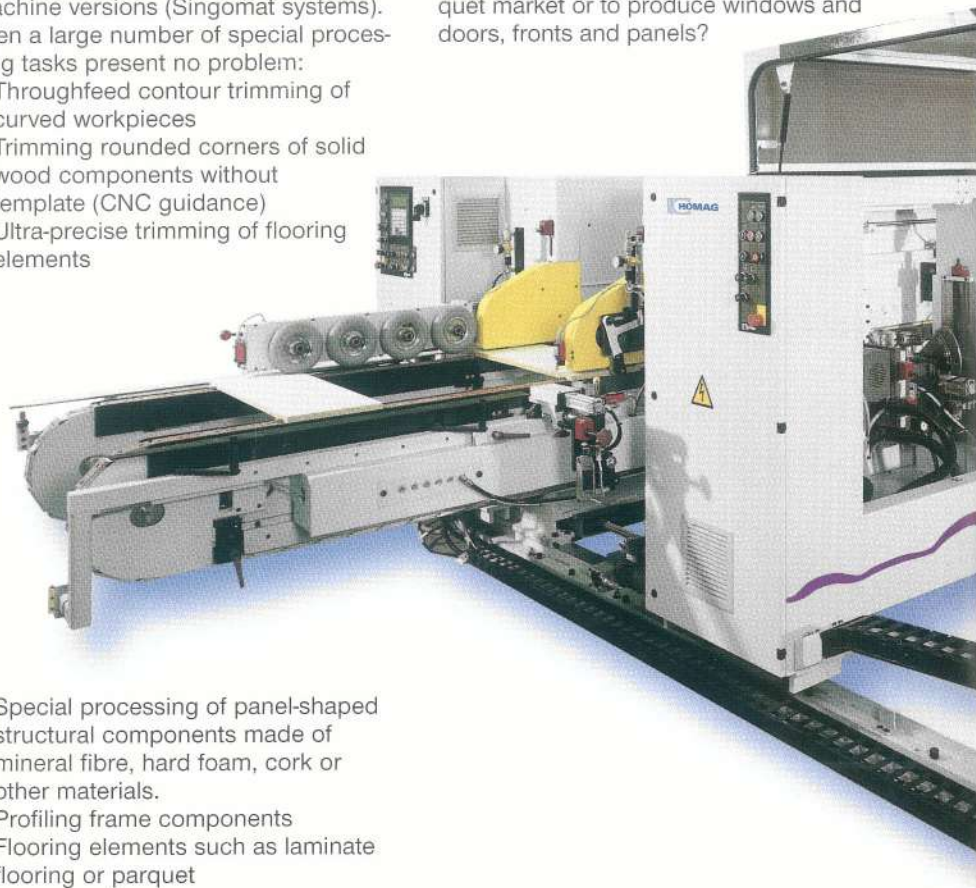
The FL series addresses every conceivable sizing requirement - such as angular cuts, profiling, grooving or sanding. In conjunction with part feed systems, dimensionally accurate sizing is also possible with single-sided machine versions (Singomat systems). Even a large number of special processing tasks present no problem:

- Throughfeed contour trimming of curved workpieces
- Trimming rounded corners of solid wood components without template (CNC guidance)
- Ultra-precise trimming of flooring elements

Optimat

Optimat series double-end tenoners are reliable, compact "work horses" for a wide range of different tasks: Angular or inclined cuts, sizing, profiling, rebating, grooving and corner processing ... allowing you to enter the lucrative parquet market or to produce windows and doors, fronts and panels?

- Special processing of panel-shaped structural components made of mineral fibre, hard foam, cork or other materials.
- Profiling frame components
- Flooring elements such as laminate flooring or parquet



Double-end tenoner **profi** line FL 10 - 20



These machines are characterized by top performance and high availability due to their hard-wearing, low-wear and low-maintenance engineering concept. Just the job for tough, everyday processing conditions.



Double-end tenoner Optimat NFL 25/26

Operating convenience as standard

Their highly convenient control system makes Homag double-end tenoners simple to operate and program. The display and user prompting system allows you to "talk" to your machine from the start in plain language: It will guide you step by step to the result you wish to achieve.



The KF series: Maximum sizing and edge banding flexibility

Mass production or small runs:
Modern furniture production calls for
high-performance combination sizing
and edge banding machines.

Big machines for big jobs

Whether you opt for the Optimat or the
profi line - the Homag KF series combi-
nation machines are fitted with a heavy-
duty continuous machine frame. They
ensure highly precise guidance and

processing of workpieces in continuous
throughfeed. In comparison to a solu-
tion involving individual machines, they
eliminate the need for transfer and inter-
linking systems, and take up less valua-
ble production space. And as the size
of the job grows, the machine grows
with it, allowing flexible conversion or
upgrading right through to a complete
production line at any time.

All types of edges

A range of versatile supplementary
units is available for fast, reliable solu-
tions to all types of processing require-
ments: Sizing panels, profiling, grooving
and rebating - as well as gluing all types
of currently popular edges using hot-
melt glue:

- Veneer off the coil
- Plastic edges in melamine or finish
foil off the coil
- Up to 3 mm (0,12") thick PVC edges
off the coil



Optimat KF 25/26

**A whole new performance
dimension in industrial production**
power line allows you to step up your
production to a whole new performan-
ce dimension - when means:

- Extreme bulk output or
 - Flexible extremely high-speed just-in-
time production
- of high-grade furniture, wall or ceiling
panelling and flooring elements. And in
an exceptionally high standard of quali-
ty and economy. Short delivery periods
- satisfied customers - greater success
for you.

New machine intelligence: The quantum leap

A completely new control engineering
concept was developed for **power** line
based on distributed intelligence:
Decentral process regulation instead of
central control - with the aid of high-
grade sensor technology for conti-
nuous acquisition and regulation of
production sequences. On-the-spot
intelligence: Short distances to sensors
and actuators - for fast system respon-
ses. **power** line even permits precise,
process-controlled traversing of con-
tours. All with absolute reproduction
accuracy. And all the machine operator
does is to program "results" - the con-
trol system does the rest.

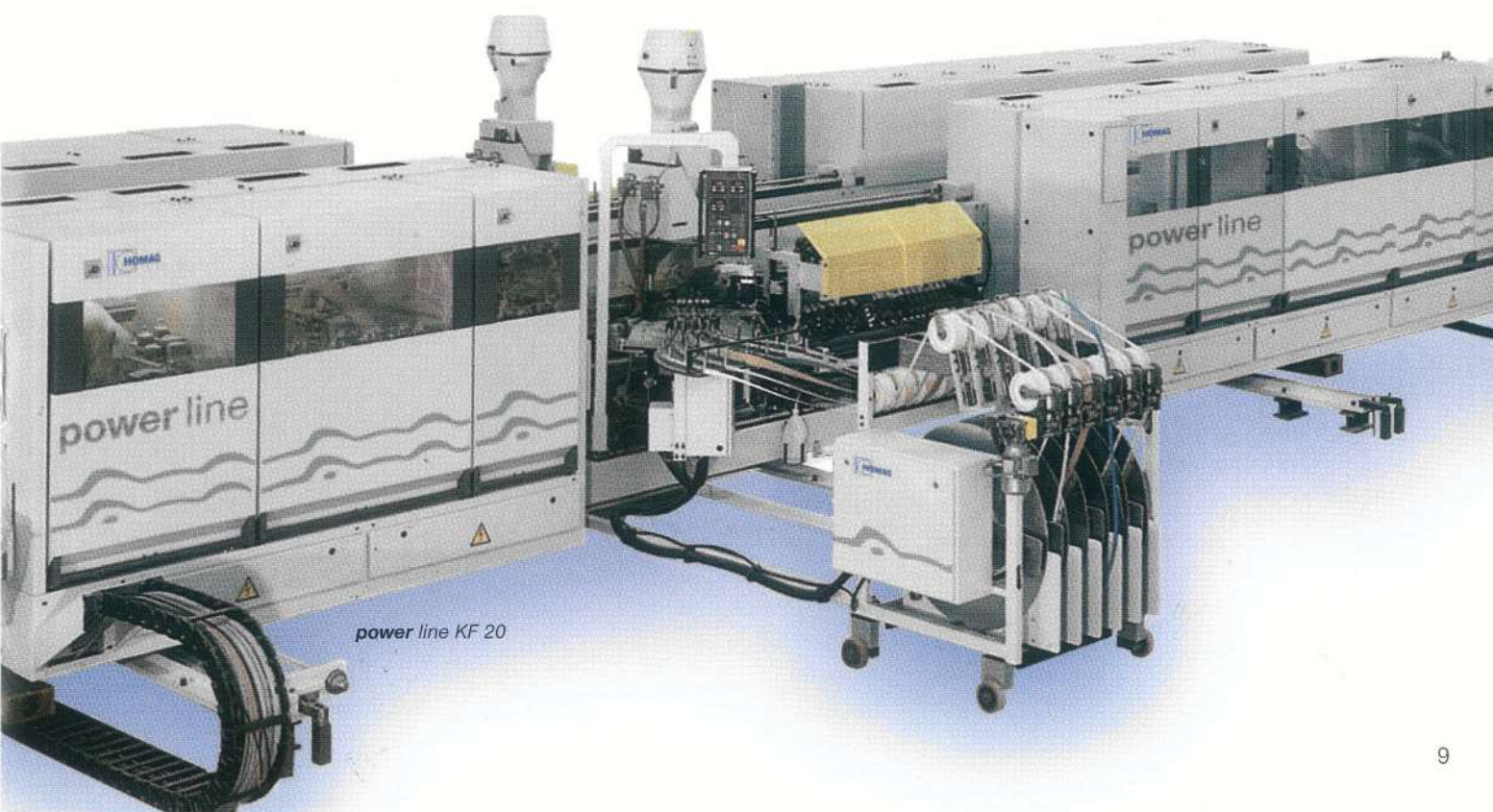




profi line KF 10 - 20

Typically Homag:
The quality is in the detail

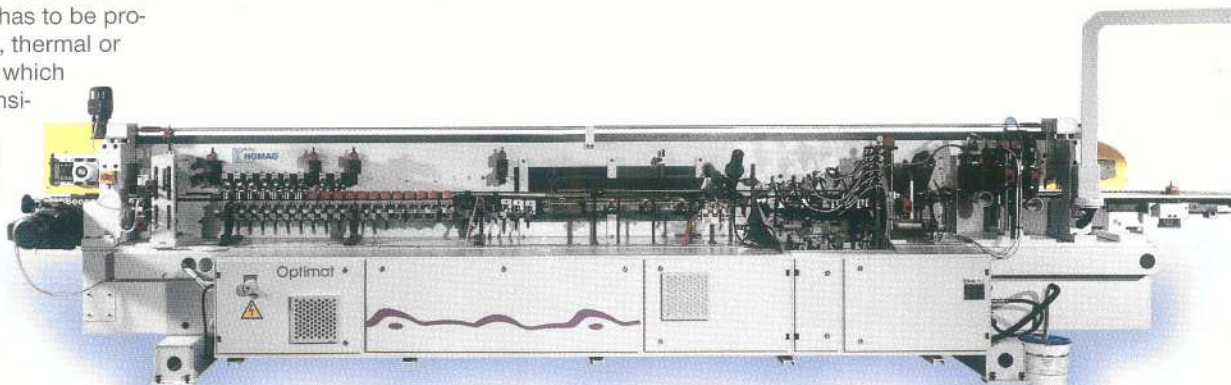
- Easy-running, high-speed width adjustment by means of linear guidance
- Maintenance-free cardan drive for height adjustment
- Variable speed gear with low back-lash for outstanding dimensional and repeat accuracy
- Extremely hard-wearing transport chain with heavy-duty block links
- Special dogs to support panels during transverse processing



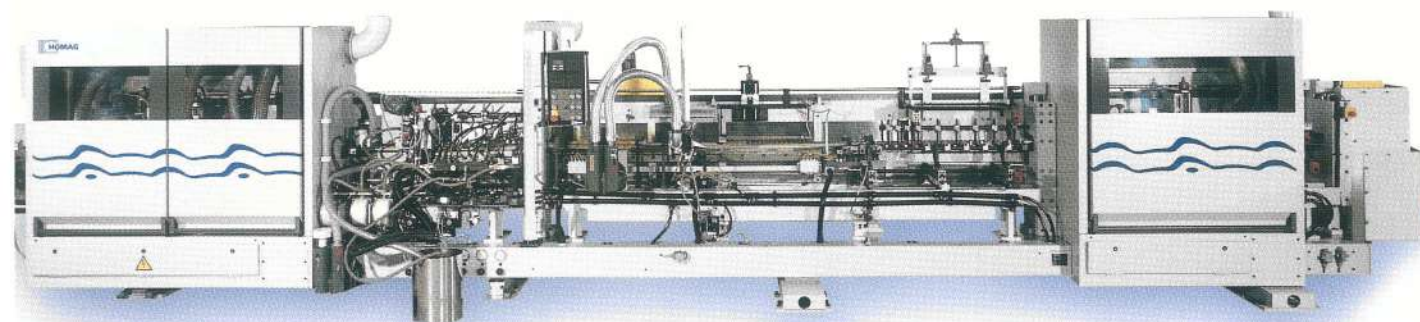
power line KF 20

Postforming machines VF: Efficient production of rounded edges in throughfeed

Postforming technology comes into its own wherever furniture has to be protected from mechanical, thermal or chemical stress - stress which generally affects the sensitive edge area. This is where the advantage of the postforming technique is brought to bear: The surface and edge of the workpiece are wrapped continuously with laminate, eliminating the need for a glue joint.



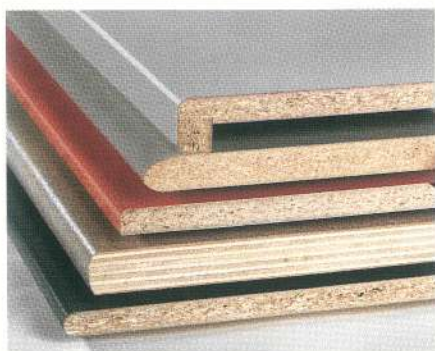
Optimat VFL 74/75



Postforming machine **profi** line VF

For all requirements and capacity levels

The VF series postforming machines from Homag are most frequently used as single-sided machines. For larger



capacities, however, double-sided machines are also available. And Homag naturally also offers high-performance systems. The feed rates of the different models range from around 10 m to 30 m per minute (395 to 1180 ipm). The length of the machines depends on the type and number of necessary processing units.

Integrated experience and know-how

From the very beginning, Homag has been an instrumental force behind development of the postforming technique. This rich fund of experience has been ploughed into development of the VF postforming machine series. The result: A modern, extremely reliable range of machines capable of with-

standing tough industrial day-to-day operation over long periods. Alongside the conventional postforming technique, Homag also offers machines for the direct postforming technique. Using this method the workpieces are made of directly coated panels. This machine series also permits veneer postforming.



The T series for workpiece transport gets your production rolling

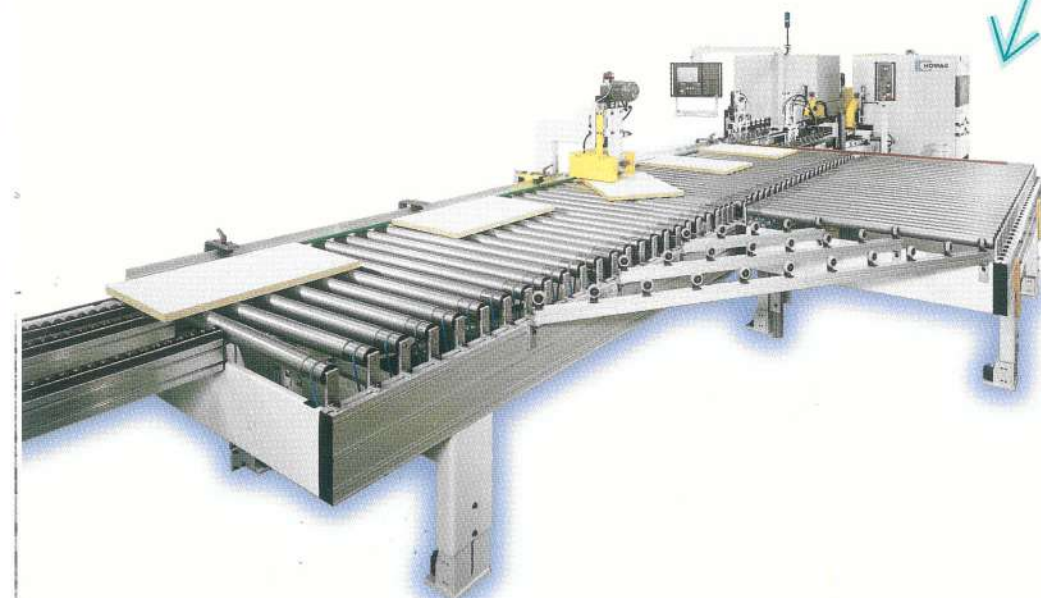
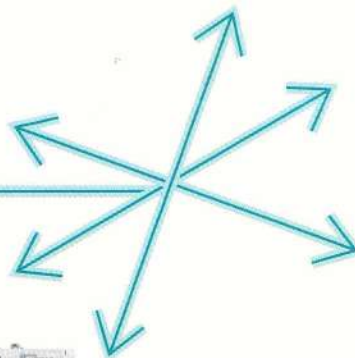
An ideally coordinated material flow forms the basis for trouble-free production sequences. In this context, workpiece transport elements between individual machines play a vital role.

Modular concept for optimum flexibility

The various transport systems must be capable of precise adjustment to your individual circumstances and requirements. For example as regards the available space, work sequences, capacity, batch sizes and other important parameters. The modular Homag workpiece transport range provides the ideal answer. Its various elements provide a custom-tailored, flexible solution to every individual requirement. This ingenious modular equipment selection offers everything you could conceivably require for efficient workpiece transport.

Elements of the T series:

- Roller conveyors
- Feeding tables
- Rotary stations
- Conveyor belts
- Angular transfers on one or two levels
- Intermediate transport systems



Processing centres: The tailor-made complete solution

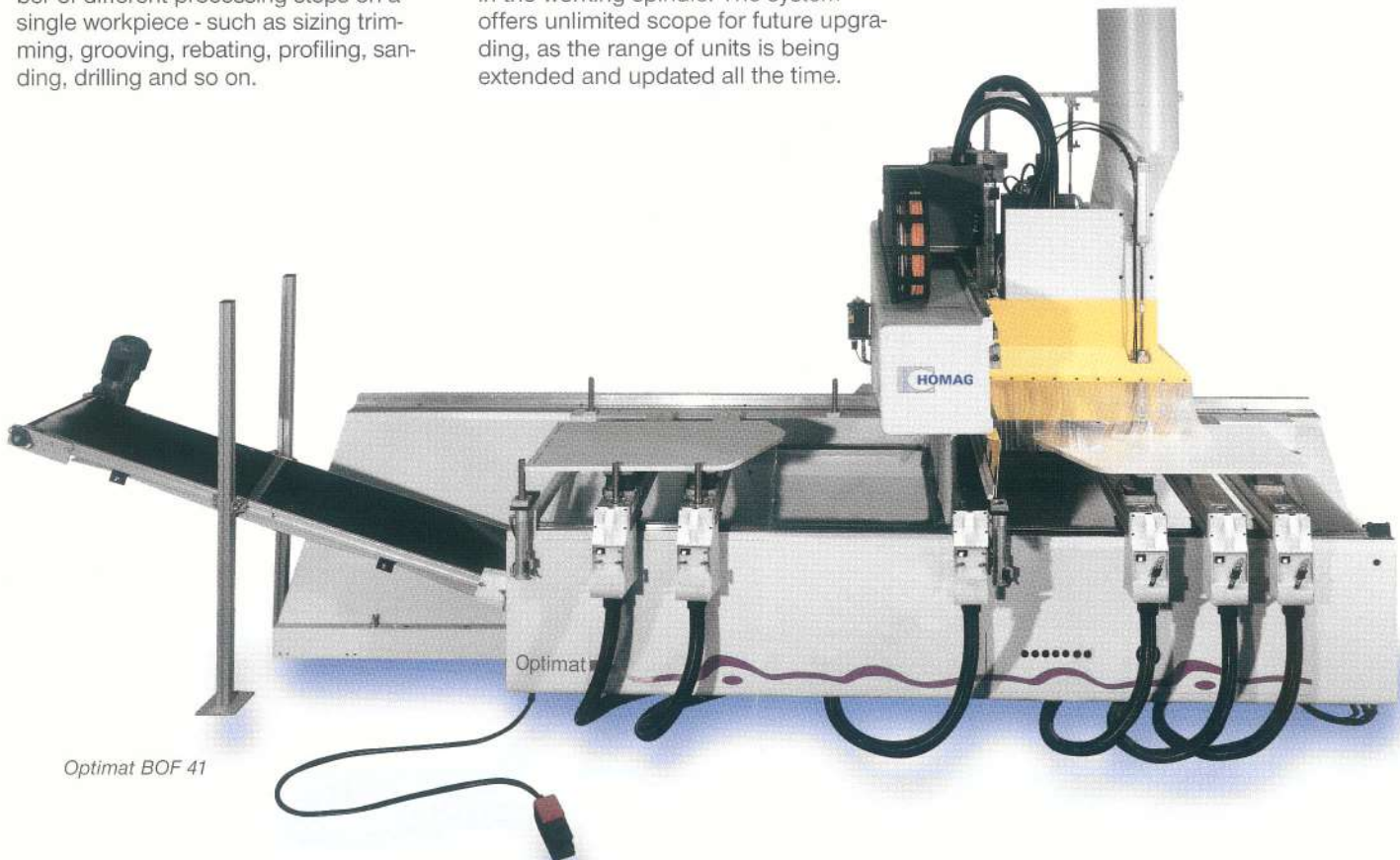


Router - processing centre BOF

CNC routers like the Optimat BOF 41 are conquering an ever broader spectrum of applications in the efficient production of shaped components. This type of production is characterized by a large number of different processing steps on a single workpiece - such as sizing trimming, grooving, rebating, profiling, sanding, drilling and so on.

The range of modular units

Homag offers a wide selection of different units to address broad-ranging processing requirements. The units are exchanged fully automatically from the tool changing system into the interface in the working spindle. The system offers unlimited scope for future upgrading, as the range of units is being extended and updated all the time.



Optimat BOF 41

Versatile application

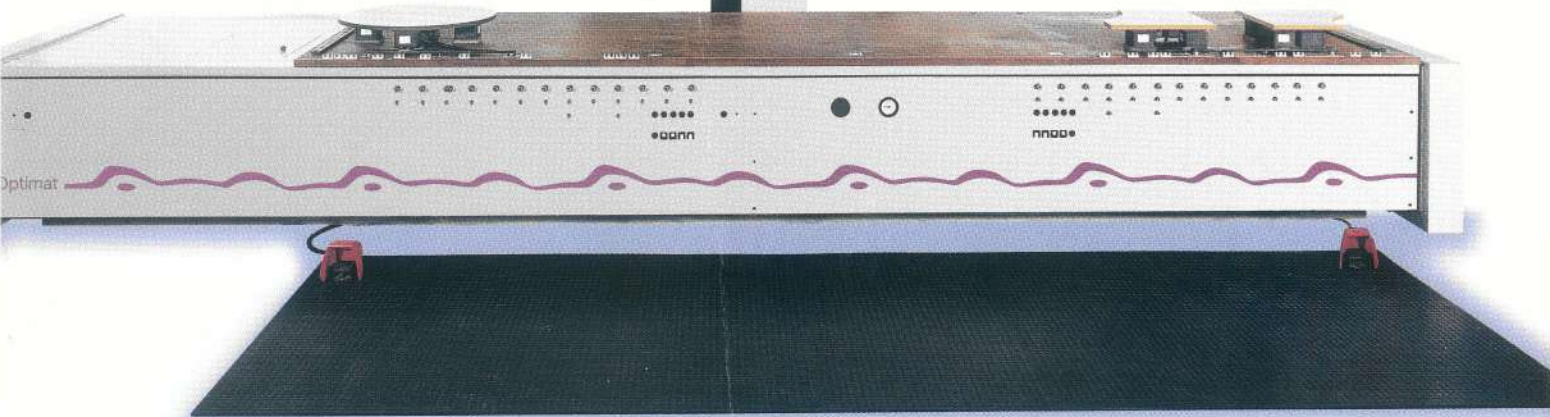
Homag processing centres represent high-powered problem solvers when it comes to the production of furniture components, fronts, panels, windows, staircases, doors and work surfaces in every conceivable type of material, such as chipboard, solid wood, MDF or plastic.



profi line BAZ 20

BAK 41: For every edging variant

Extremely cost-effective, compact and flexible: The BAK 41. The ideal extension to your router, this machine offers the whole range of processing possibilities for efficient edge banding and finishing in a single clamping process. Even workpieces with non-standard shapes present no problem. Units with tracing facility and digital drive technology ensure a consistent high standard of quality and perfect repeat accuracy.



Optimat BAK 41

Capacity for future upgrading and expansion

The new **profi** line processing centre provides a low-cost solution offering capacity for future upgrading and expansion, offering a whole new dimension in CNC-controlled stationary processing for cost-effective working from batch sizes as low as 1. BAZ 20 is ideally coordinated for custom-tailored complete processing - with or without edge banding.

State-of-the-art engineering

This processing centre encompasses a broad range of processing units. Simply compose your machine concept in line with your specific needs and adjust or upgrade as required. And: Your BAZ will go on growing and developing as processing unit technology progresses. You can "update" at any time to keep your processing centre abreast of the latest technological developments.



A new dimension in complete processing: BAZ 120 / BAZ 220

The new high-performance series BAZ 120 and BAZ 220 are capable of performing sizing and edging work with an unprecedented degree of productivity and economy: The machine concept is based on a gantry design with tandem table. Highlights:

- Multiple-spindle technology for parallel processing of similar or different workpieces
- The two independently controlled tables can also be used in coupled mode
- Extreme reduction of downtimes even for batch sizes of 1 for optimum machine capacity utilization
- Control with IPO (intelligent process optimization) offers solutions for the future already today
- HSC (high-speed cutting) technology stands for outstanding processing speeds

And what's more, the new BAZ machines are able to cope with workpieces up to 5.6 m (220") in length and 2.4 m (94") in depth/width. This represents a tremendous advantage for high fitted cupboard units, large-format work surfaces or side elements for caravans.



power line BAZ 220

It pays to be a Homag customer

Homag is everywhere

For you, the customer, a well-developed servicing, sales and dealer network means even greater proximity, rapid response and improved customer support - around the world.

Remote diagnosis worldwide

All NC machines are fitted in the factory with a modem to allow remote diagnosis anywhere around the globe. A search for possible faults is performed from the Homag Service Centre.



Once localised, all errors can be remedied immediately over the telephone line.

Practically-oriented training

Although Homag products are designed for outstanding operating simplicity, thorough training does help cut down on commissioning times, reduces trial wastage, helps develop the skills of the operator and generally improves efficiency.

Careful maintenance

Scheduled, correctly performed maintenance helps reduce costs and increase the productivity and service life of plant and machinery.

Outstanding quality

The Homag Group is certified to DIN EN ISO 9001 (TÜV CERT). At Homag, it is a matter of course for machines to comply with the CE standard. This provides you with the assurance of consistent, certified quality.



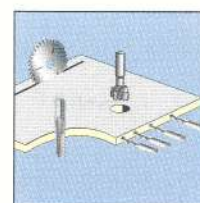
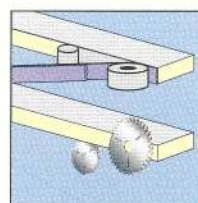
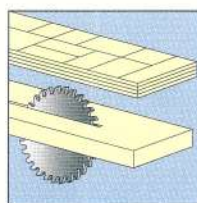
Identical parts, simple handling

A large number of the parts, control elements and assemblies used in Homag Group plants and machines are identical. The wide-ranging benefits of this policy include simplified operation, lower costs, streamlining of spare parts management and also faster maintenance and servicing - to name only a few.

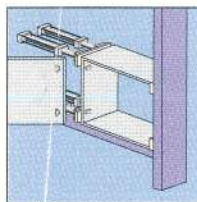
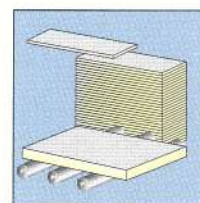
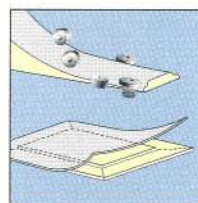
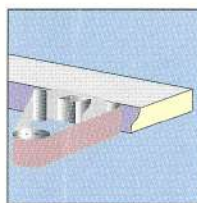
Production



Sales



Services



Your contact:



**Homag
Holzbearbeitungssysteme AG**

Homagstrasse 3-5
72296 SCHOPFLOCH
GERMANY
Tel. +49 (74 43) 13-0
Fax +49 (74 43) 13 23 00
info@homag.de
<http://www.homag.com>