

Double-end tenoners for floor production



The right solution every time

Laminate and parquet flooring – top quality plus versatility

Products to appeal to every taste. The HOMAG plant range offers almost unlimited scope for processing wide-ranging materials. And in a wide choice of dimensions and shapes: Whether cork flooring elements, linoleum and veneer surfaces, laminate flooring made of wood or tile decor elements and – in line with the very latest trend – country planks or narrow laminate strips. Product versatility that will help you meet every conceivable market requirement.





Laminate



Parquet



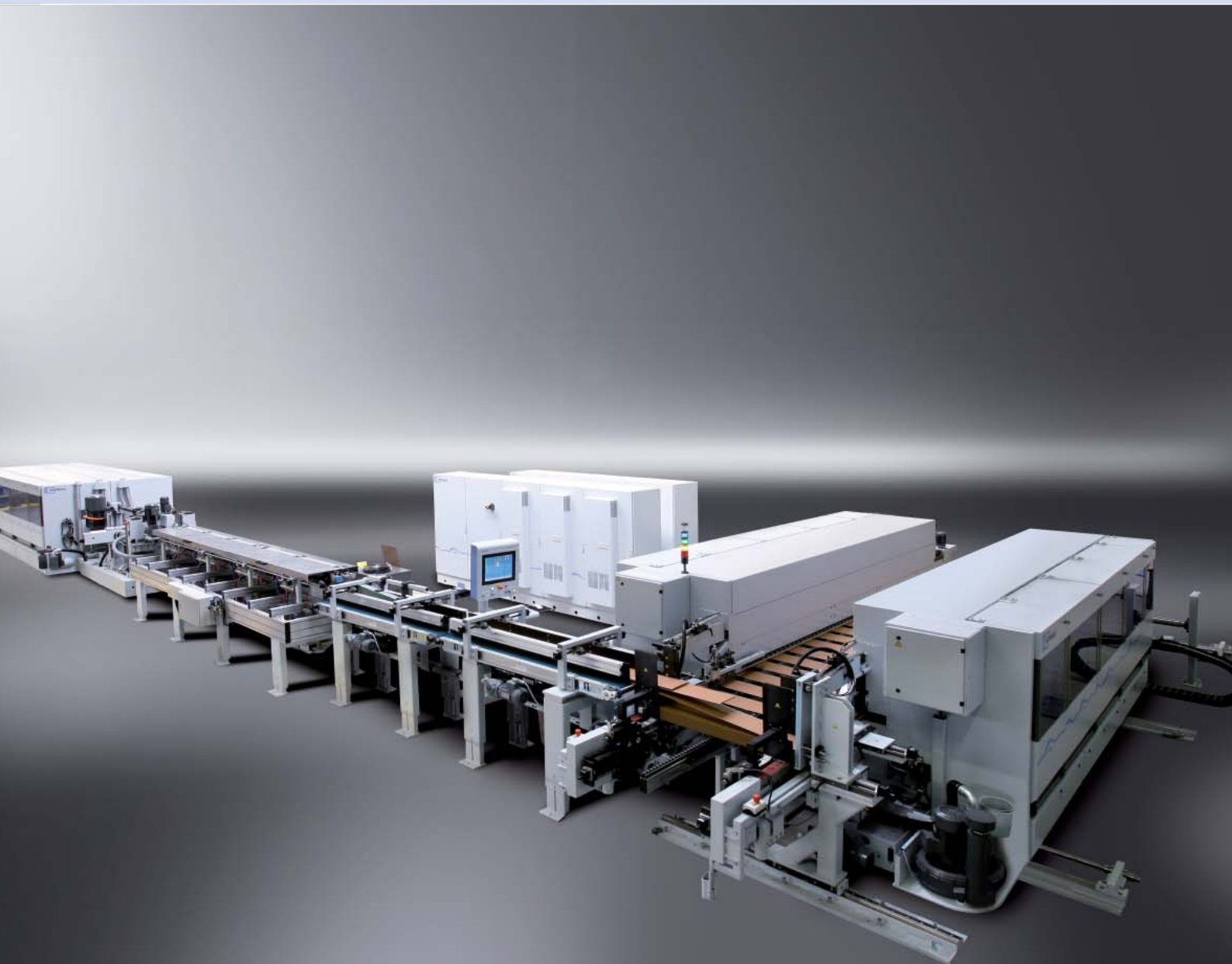
Your benefits at a glance:

- Comprehensive range of plants
- From the entry level machine to the complete production line
- Over 700 production lines supplied worldwide
- For processing wide-ranging different materials
- For ultra-precise processing

Your benefits with the HOMAG Group

As a technology leader, HOMAG has played a pioneering role not only in the field of floor processing. Featuring a range of groundbreaking new developments, innovative double-end tenoners from HOMAG have been engineered to provide a decisive competitive edge.

With its range of double-end tenoners, HOMAG offers bespoke solutions to cover the whole range of production requirements through to the flexible mass production of “individual” products. Alongside different decor effects or wood types, surface properties and formats, these production lines can be upgraded with supplementary functions such as noise dampening application, chamfer lacquering and, importantly, product packaging in line with individual customer needs.



**Process reliability with a system
– efficient, durable and profitable**

The close cooperation between HOMAG Group members and a lively transfer of know-how ensures the ideal selection, configuration and networking of individual machines and optimum material flow. We are able to guarantee not only process reliability but a range of flexible upgrade options.

Overriding coordination by HOMAG Engineering and years of international experience in the planning and implementation of complete plants are your guarantee of the very best standard of quality and a troublefree processing sequence.

Depending on the project requirements in each case, we coordinate partner suppliers both inside and outside the company Group with a view to achieving maximum customer benefit.



BARGSTEDT – Feeding systems for large-format panels



HOMAG – Panel ripping



HOMAG – Transverse profiling



HOMAG – Lacquering



BÜTFERING



LIGMATECH – Robot handling



WÄCHTER



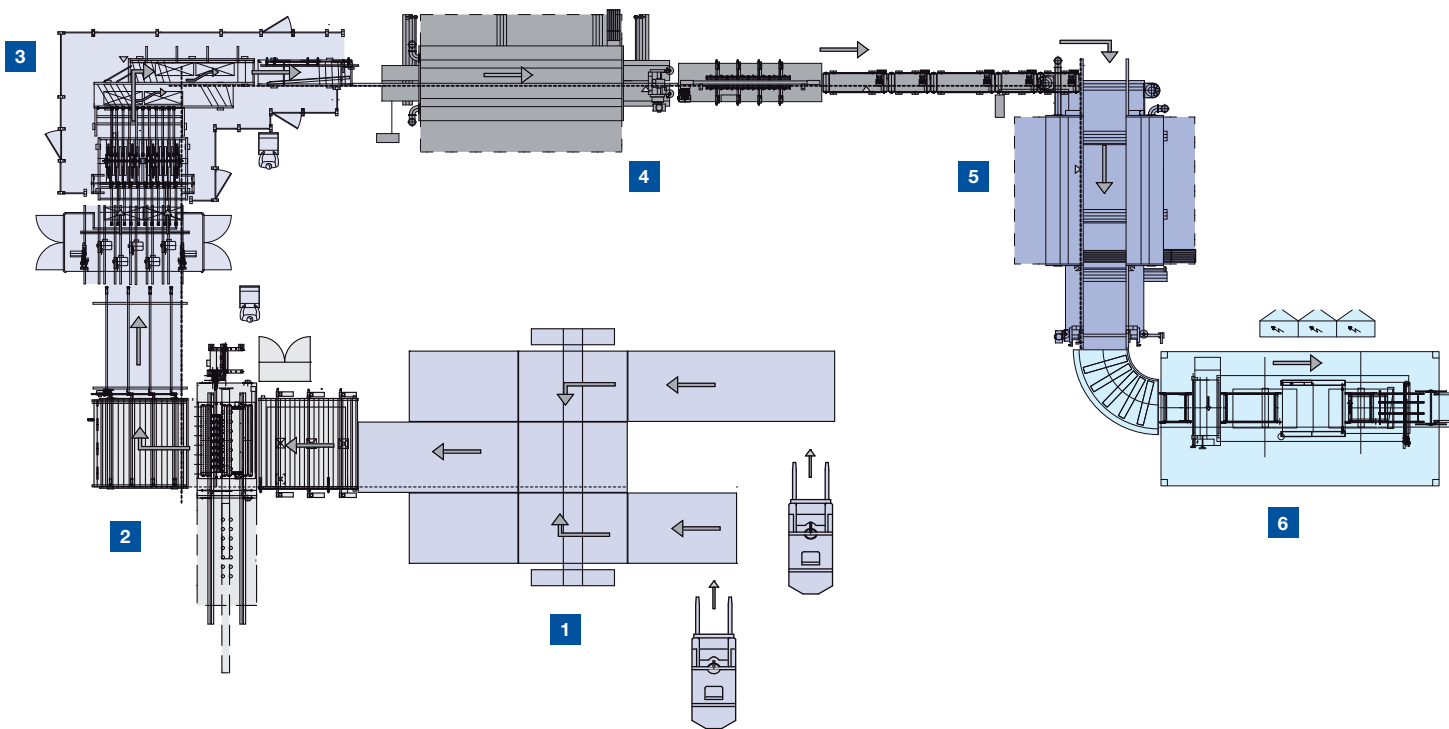
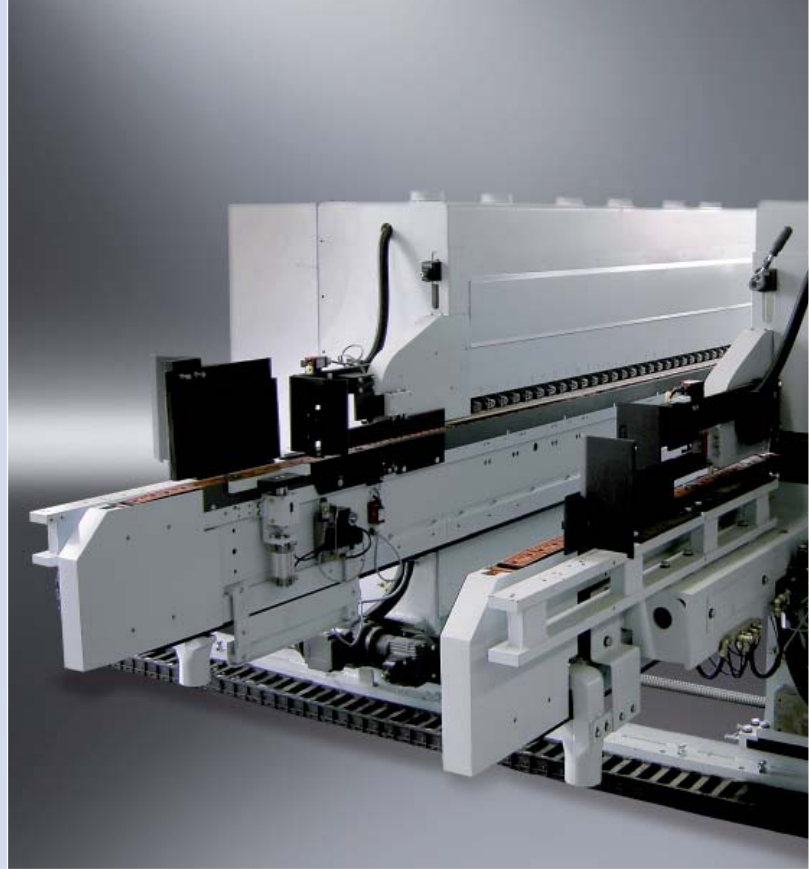
HOLZMA



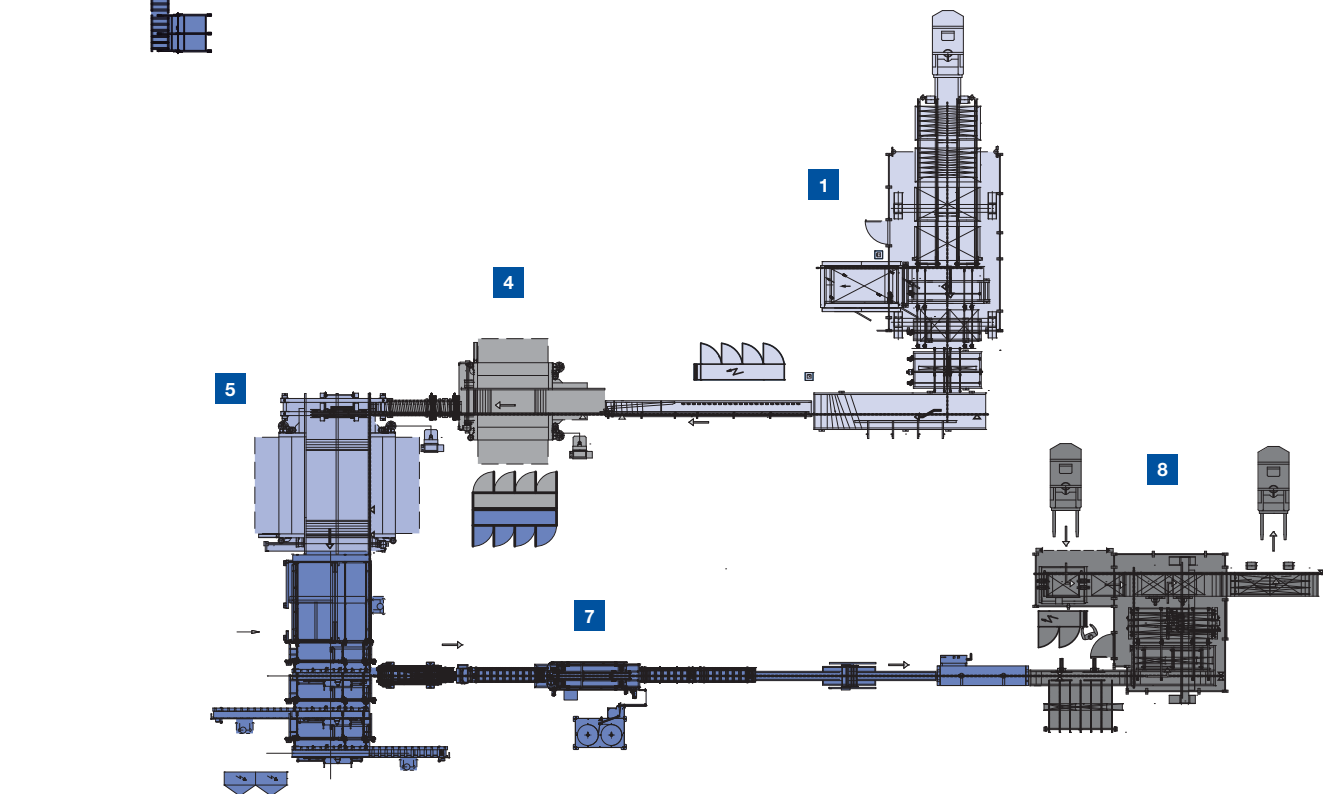
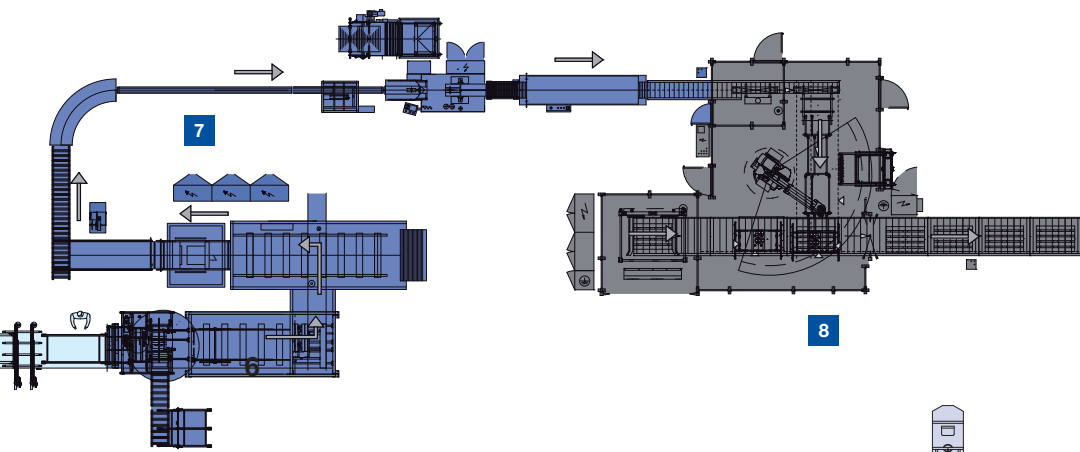
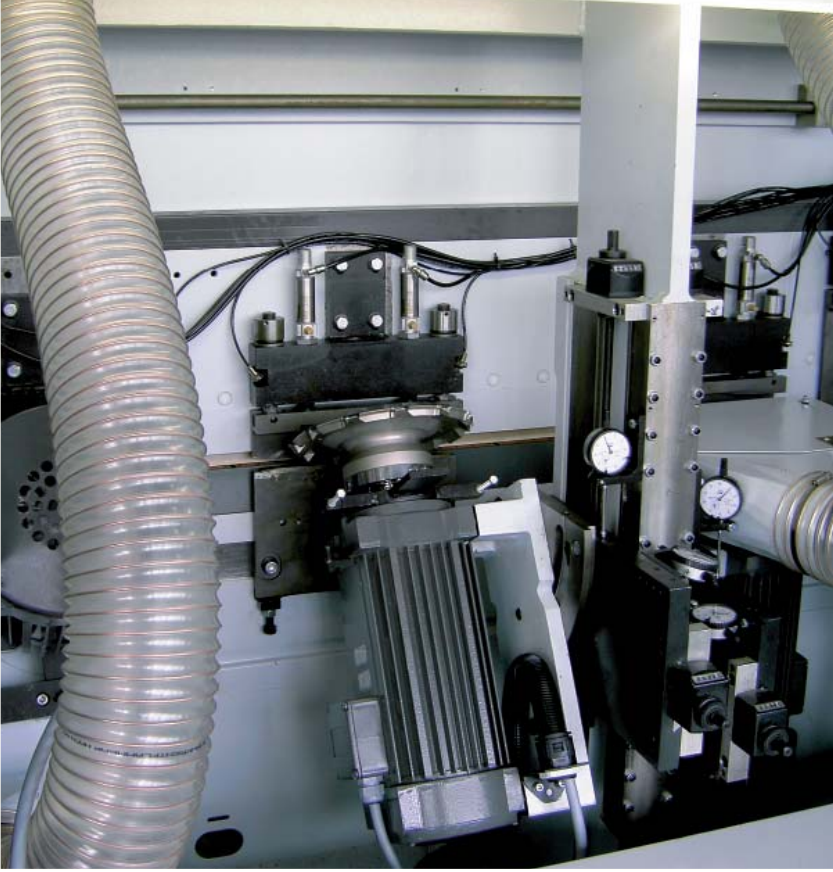
TORWEGGE – random length

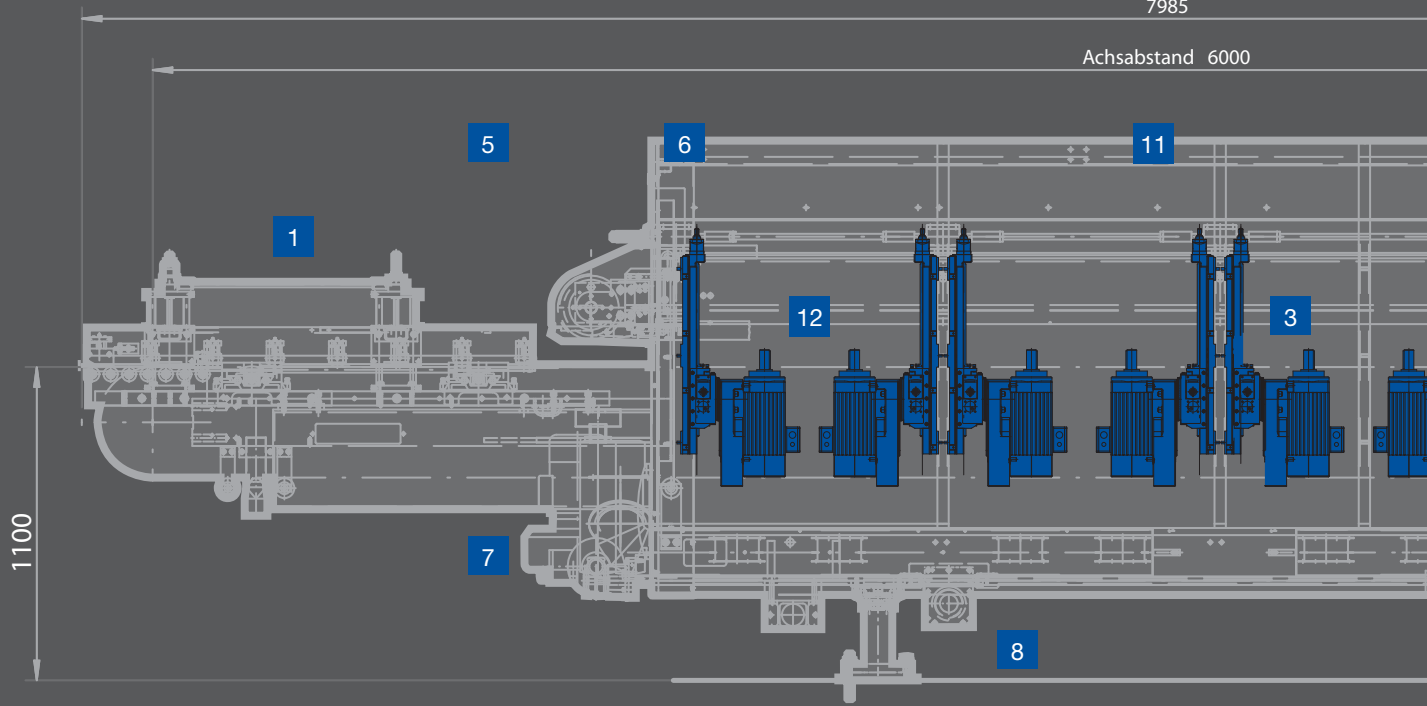
Plant concepts

We draw up individually optimized plant concepts based on specific customer needs. The flexible work sequence can be freely configured depending on the specific terms of reference and the available space.



1. Feed
2. Rip saw
3. Cross-cutting saw
4. Longitudinal profiling
5. Transverse profiling
6. Noise dampening application
7. Packaging
8. Palletization





Equipment to meet the demands of precision

All double-end tenoners from HOMAG come as standard with:



Tensionless infeed system



Rolling chain (DBS belt in the **powerLine** or magnetic chain for high outputs)



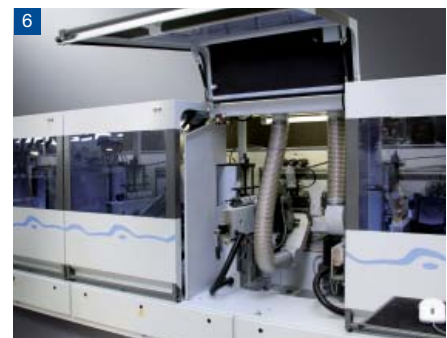
Pressure and support pad (for laminate) to protect the chain and ensure precision processing. With DBS, the workpiece is traversed in a guide fence



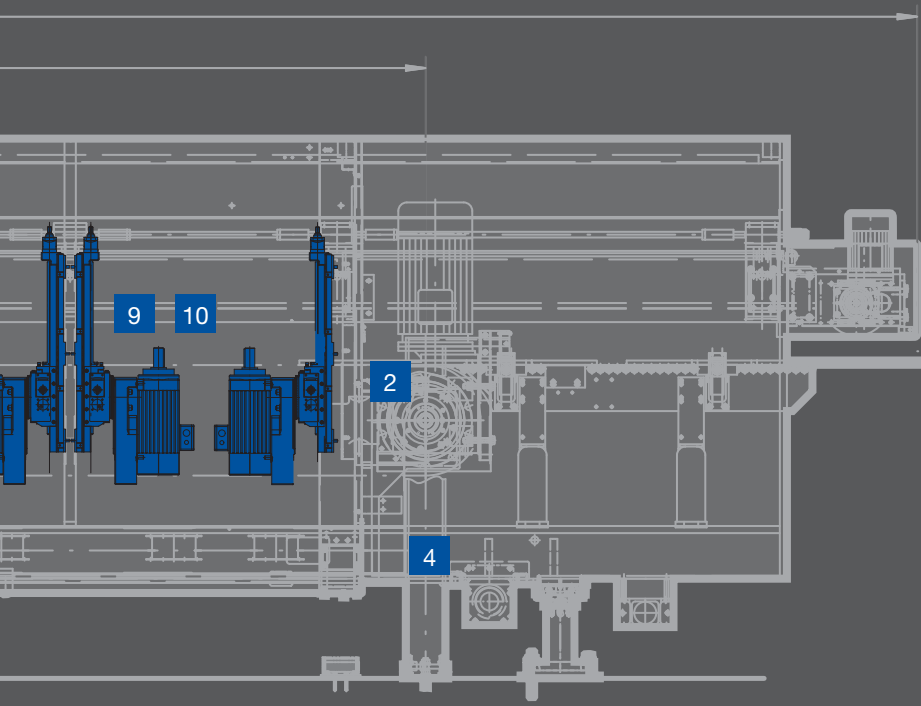
Frequency or servo-controlled drive systems



200 series: contactor control
500/600 series: **powerControl**
In accordance with IEC 61131/3 optionally:
Siemens S7



Noise protection covers



floor processing



Blower for chain track ventilation



Machine width adjustment by ball spindle



Motors with hydraulic shaft



HSK tool interface (option)



Machine frame
 Optimat: Solid frame construction
 powerLine/profilLine: Base stand with free
 equipment of units

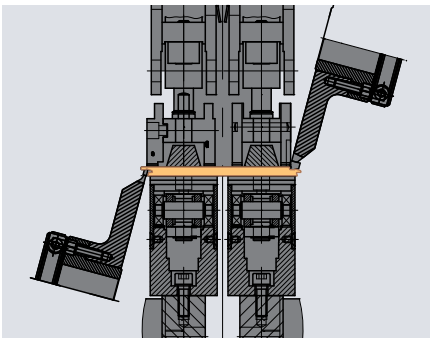


Upward individual extraction

Transport systems used in our machines

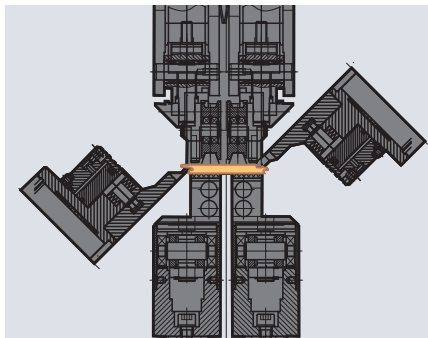
Different transport systems exist depending on the requirements and part dimensions. Different chain-mounted systems, the patented Magnetic Chain System (MCS) for speeds > 100 m/min., and for absolute high-performance plants the Drive Belt System (DBS) with part guidance by means of guide fence.

Parquet



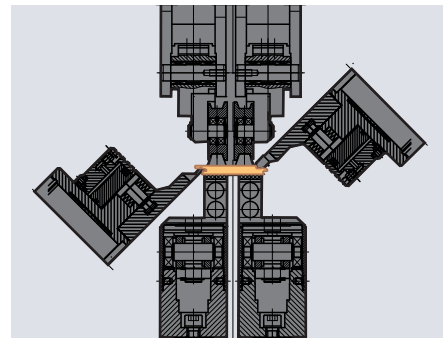
Double standard chain

- Integrated dual pressure pads
- High-precision chain
- Powered top pressure belt



Narrow chain W2

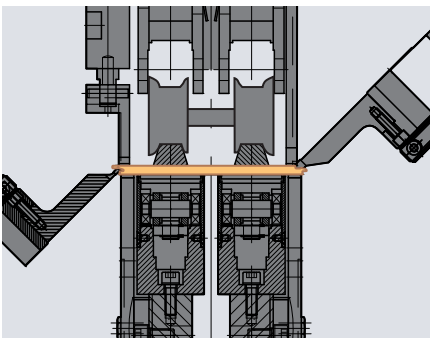
- Integrated dual pressure pads
- High-precision chain
- Powered top pressure belt



Narrow chain W1

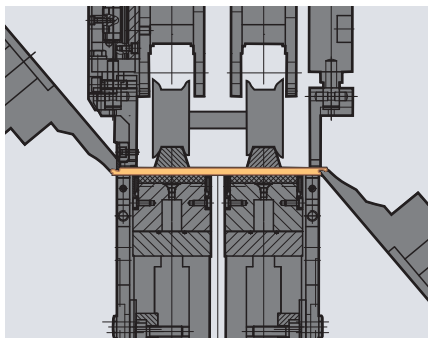
- Pneumatic rollers in the top pressure beam
- High-precision chain
- Powered top pressure belt

Laminate



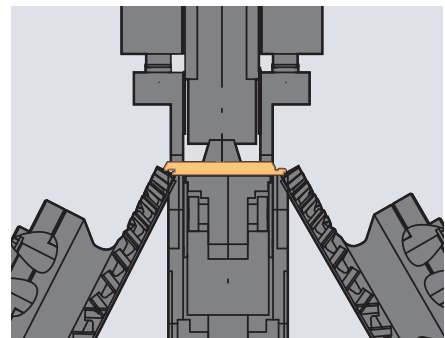
Double standard chain

- External pressure pads
- External support rails
- Powered top pressure belt



Double DBS

- External pressure pads
- External support rails
- Transport belt mounted in pneumatic bearings
- Powered top pressure belt



Single standard chain

- External adjustable pressure pad
- External adjustable support rails
- Powered top pressure belt



200 series – Multifunctional machine with an affordable price tag

- Feed rates of up to 80 m/min.
- Solid frame construction for max. 6 processing units
- Rolling block link chain
- Proven contactor control system



500 series – Economical solution to meet every conceivable need

- Feed rates of up to 130 m/min. with patented magnetic chain
- Solid frame construction for max. 8 processing units
- Optional supported room extraction system
- Optional horizontally adjustable top pressure beam
- Optional machine extension for edge feed
- **powerControl PC22**



600 series – To meet stringent demands of flexibility and performance

- Feed rates of up to 350 m/min.
- Supported room extraction system
- Optional supported room extraction system
- Optional horizontally adjustable top pressure beam
- Optional machine extension for edge feed
- Magnetic chain or DBS system for long service life, high feed rates and low running costs
- **powerControl PC22**
- Optionally with Siemens S7
- Individual machine configuration

FPR 225/226 – Double-end tenoner

A solid machine with an affordable price tag and an impressive standard of processing quality. Outstanding in its performance segment for its high-precision, swivel-action high-frequency motors and free-standing switch cabinet with refrigeration unit.



	Parquet				Laminate	
Technical data	Standard chain double	Narrow chain W1	Narrow chain with pressure pad W2	Single chain double	Standard chain	Single chain
Longitudinal speed	max. 60 (80°) m/min.					
Transverse speed	max. 32 (60°) m/min.					
No. of motors	max. 6					
Workpiece thickness	10 - 25 mm				6 - 15 mm	
Workpiece length	450 - 2.500 mm				600 - 1500 mm	
Workpiece width	138 - 250 mm	57 - 250 mm	75 - 250 mm	90 - 250 mm	180 - 400 mm	90 - 220 mm
Setting angle of motors	-90° - +90°	-90° - -45° +90° - +45°	-90° - -30° +90° - +30°	-90° - 0° - +90°	-90° - 0° - +90°	
Max. cycles	25 (35°) parts/min. 2.200 x 190 mm	60 (80°) parts/min. 900 x 90 mm		45 (65°) parts/min. 1.200 x 190 mm		

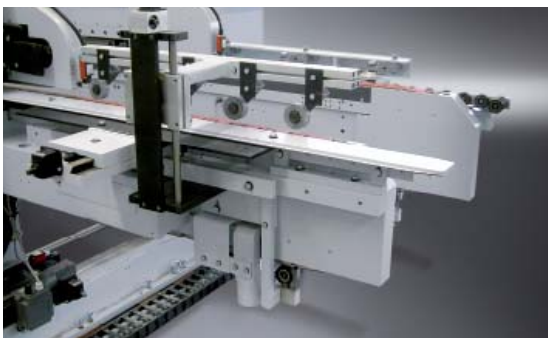
Photos and specifications are not binding in every detail. We expressly reserve the right to make changes in the interests of further development.



Free-standing switch cabinet with refrigeration unit and separate frequency converter per motor



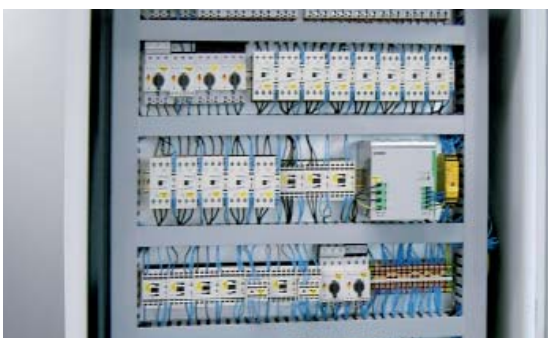
Each motor with dust hood adjusted to the tool



Tension-free infeed



Swivel-action high-frequency motors



Proven, easy-maintenance contactor control system.



Chain track ventilation on both sides

FPR 525/526 – Double-end tenoner

The 500 series covers the whole range of applications for flooring production. Compact in design, the machine offers flexible solutions for transvers and longitudinal profiling of a wide range of different materials. At the same time, our precision production systems guarantee ultra-precise click profiles.



	Parquet				Laminate	
Technical data	Standard chain double	Narrow chain	Narrow chain with pressure pad	Single chain	Standard chain double	Single chain
Longitudinal speed	max. 80 (130°) m/min.					
Transverse speed	max. 40 m/min.					
No. of motors	max. 8					
Workpiece thickness	10 - 25 mm				6 - 15 mm	
Workpiece length	450 - 2.500 mm				600 - 1.500 mm	
Workpiece width	138 - 250 mm	57 - 250 mm	75 - 250 mm	90 - 250 mm	180 - 400 mm	90 - 220 mm
Setting angle of motors	-90° - +90°	-90° - -45° +90° - +45°	-90° - -30° +90° - +30°	-90° - 0° - +90°	-90° - 0° - +90°	
Max. cycles	35 (55°) parts/min. 2.200 x 190 mm	80 (130°) parts/min. 900 x 90 mm			60 (100°) parts/min. 1.200 x 190 mm	

Photos and specifications are not binding in every detail. We expressly reserve the right to make changes in the interests of further development.



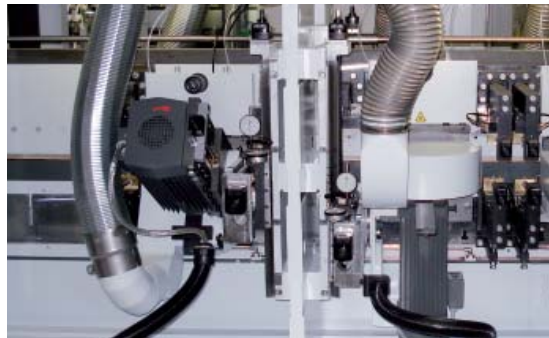
Magnetic chain



Room extraction



Optionally with extension for the application of edge sealant



Unit guidance systems with high-precision setting device



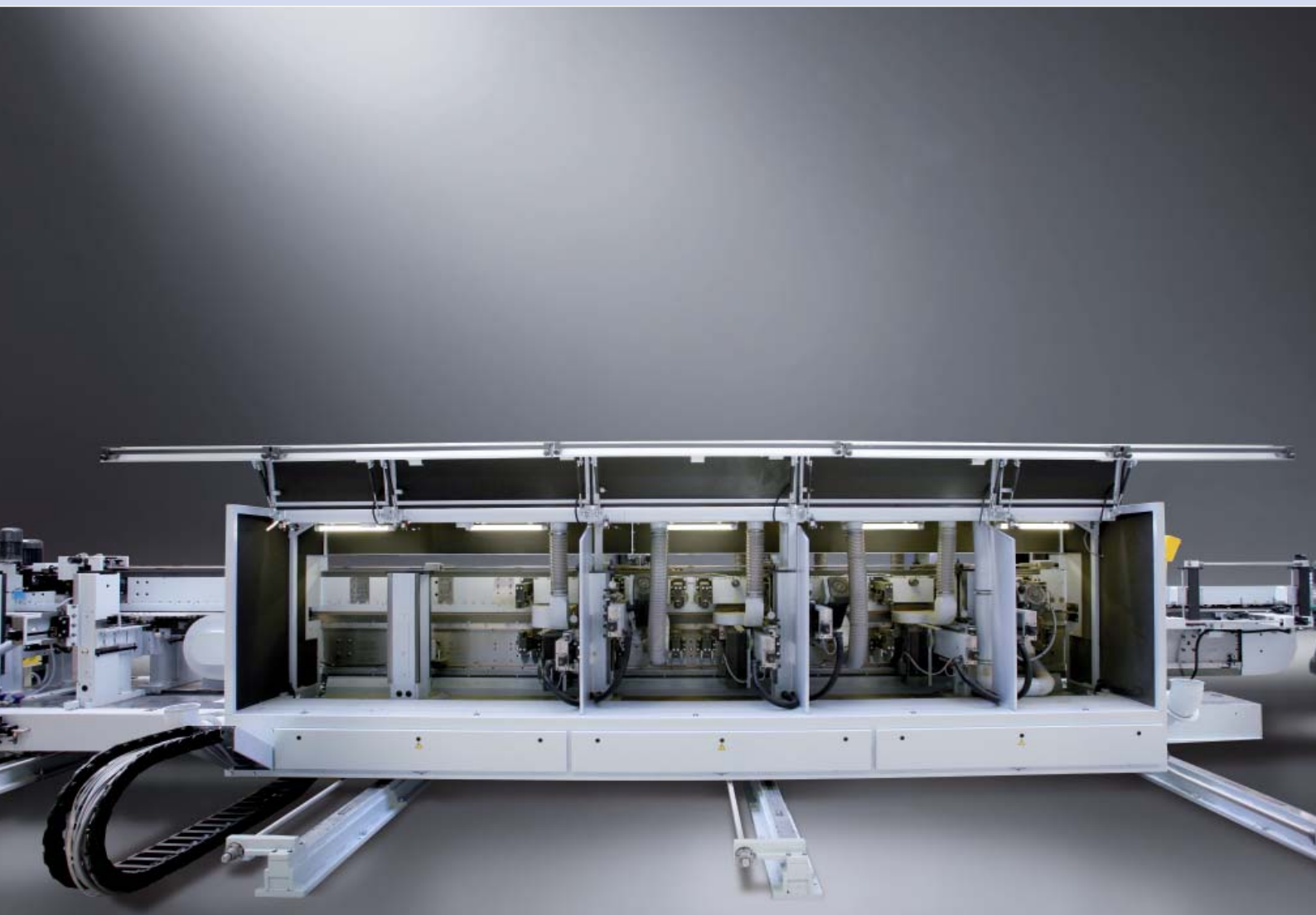
Easy-to-operate **powerControl** system in accordance with IEC 61131, with facility for remote servicing and diagnosis



Optional horizontal top pressure beam adjustment

FPR 625/626 – Double-end tenoner

High-end solution for maximum output, featuring flexible supports for the trimming motors. The 600 series addresses every conceivable requirement in terms of performance and flexibility, and any unlimited number of motors can be used.



	Parkett				Laminat		
Technical data	Standard chain double	Narrow chain	Narrow chain with pressure pad	Single chain	Standard chain double	Single chain	DBS
Longitudinal speed	130 m/min.				250 m/min.		350 m/min
Transverse speed	max. 40 (60°) m/min.				max. 40 (85°) m/min.		
No. of motors	no limit				no limit		
Workpiece thickness	10 - 25 mm				6 - 15 mm		
Workpiece length	450 - 2,500 mm				600 - 1,500 mm		
Workpiece width	138 - 250 mm	57 - 250 mm	75 - 250 mm	90 - 250 mm	190 - 400 mm	90 - 220 mm	190 - 40 mm
Setting angle of motors	-90° - +90°	-90° - -45° +90° - +45°	-90° - -30° +90° - +30°	-90° - 0° - +90°	-90° - 0° - +90°		
Max. cycles	55 parts/min. 2.200 x 190 mm	140 parts/min. 900 x 90 mm		200 parts/min. 1.200 x 190 mm		180 parts/min	

Photos and specifications are not binding in every detail. We expressly reserve the right to make changes in the interests of further development.



powerControl



Drive belt system



Optionally with extension for application of edge sealant or chamfer lacquering



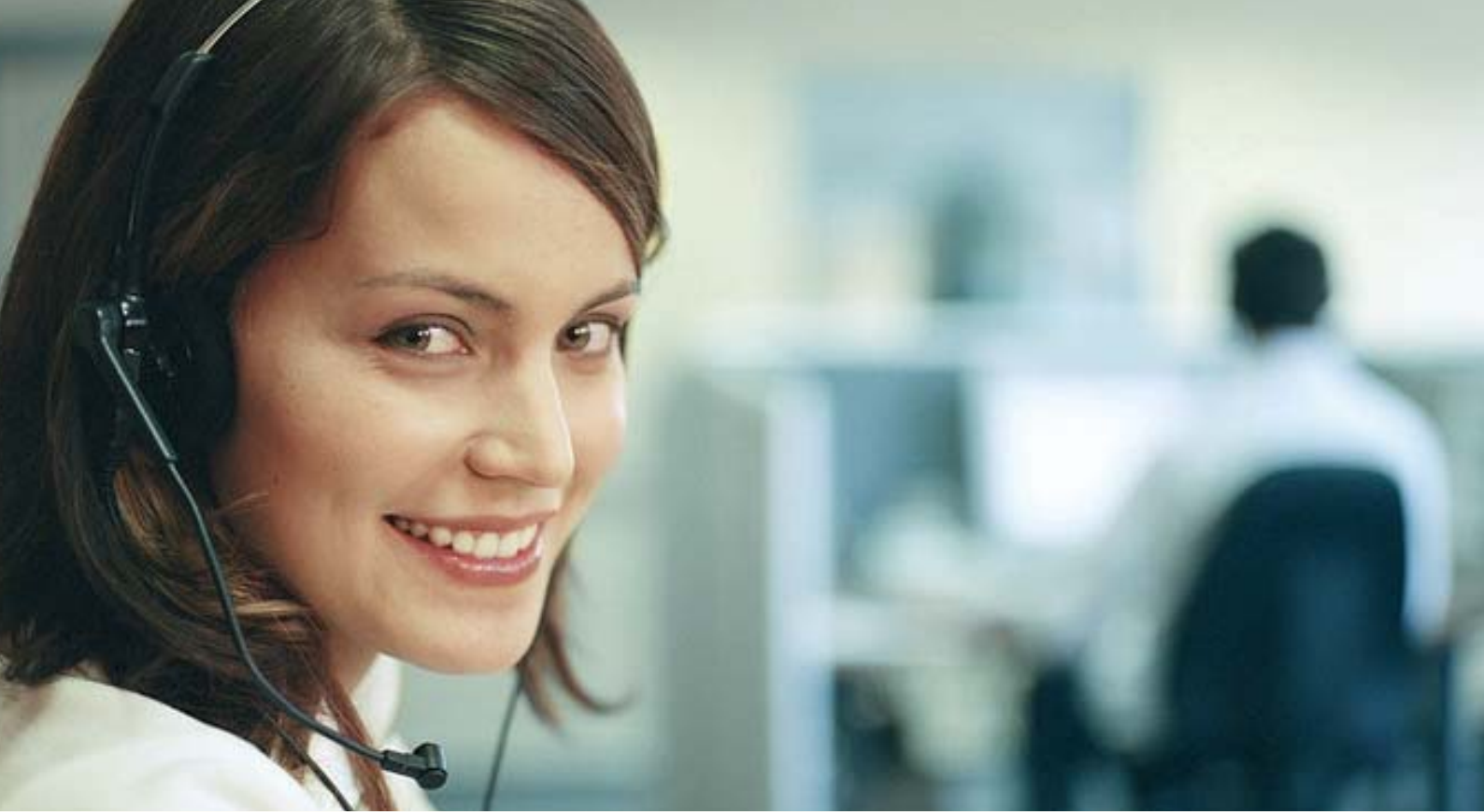
Supported room extraction



Horizontally adjustable top pressure with digital position display



Support frame for flexible equipment of units on the machine bed



The HOMAG pledge:

Perfect planning

- We provide competent advisory support; right from day one
- You find the best possible, most economical solution

Custom-tailored financing

- We offer a range of attractive financing possibilities
- You leave your capital base intact

Fast production start-up

- We take care of installation and commissioning
- You can get your production up and running straight away

Reliable operation

- We train your staff and bring them up to speed
- You can use your machine's full potential

Ongoing support

- We provide in-process support and machine optimization
- You gain from maximum productivity

Reliable function

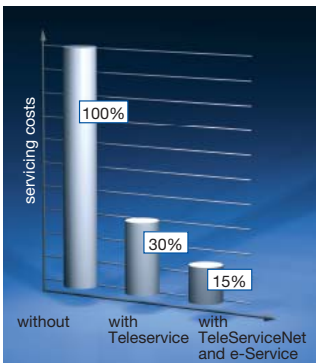
- We offer preventive maintenance by video/remote diagnosis
- You have the assurance of absolute production reliability

Efficient support

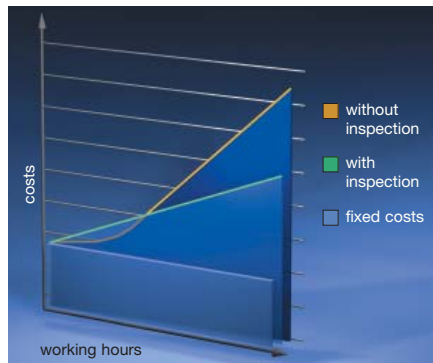
- We ensure a rapid repair and spare parts service
- You avoid unnecessary production standstill

Worldwide presence

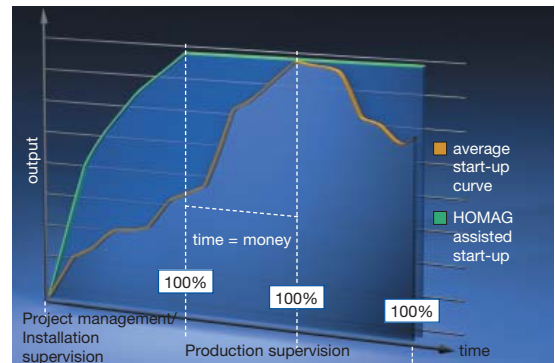
- We guarantee the worldwide availability of our services
- You are in capable hands – wherever you need us



HOMAG TeleServiceNet: Remote diagnosis permits shorter diagnostic times and reduced costs and charges to customers.



HOMAG inspection helps cut down disruptions and costs



Value increase by production supervision

Something you can count on the world over: the HOMAG Service Package

Purchasing a HOMAG machine is making a wise investment in the future – in rising productivity and a sharper competitive edge – in brief: in a solid foundation for economic success.

We are there right behind every HOMAG customer with the support it takes to realize this goal.

With technological excellence and a comprehensive package of services. From planning and design through installation to running production. This provides the absolute assurance that every machine will meet its expectations. Today and tomorrow. Day in, day out.



lifeline | service

HOMAG **lifeline | service** provides the assurance of optimum machine availability and economical production – over the entire life cycle of your machine



A member of the HOMAG Group



HOMAG Holzbearbeitungssysteme AG

Homagstraße 3 - 5
72296 SCHOPFLOCH
GERMANY
Phone +49 7443 13-0
Fax +49 7443 13-2300
info@homag.de
www.homag.com