

Table of Contents

03	Corporate Capabilities
04	Introduction to HOMAG
05	Machine Introduction
06	Features & Details: HOMAG EDGESEQ
07	Features & Details: HOMAG EDGESEQ 4.4 Servo
12	Features & Details: HOMAG EDGESEQ 4.4 Servo airTec
14	Machine Control & Software
16	Technical Specifications
18	Pricing
19	Optional Equipment
21	Additional Information
22	Terms & Conditions

Attend an Event

Stiles hosts numerous Lunch & Learns, Manufacturing Solutions Seminars, and Benchmarking Tours to keep you informed, current and competitive. Visit www.stilesmachinery.com/events to join us at our next event.

Stay Connected

Stay connected and informed on the latest happenings at Stiles Machinery through our website and social media platforms.

 /StilesMachinery

 @StilesMachinery

 /StilesMachinery

 @StilesMachinery

 /company/StilesMachinery

Visit Us

Visit one of our many showrooms at our regional locations. Each showroom is staffed by our knowledgeable team members and offers live machine demonstrations.





Your solution.

We are North America's leading provider of innovative machinery and exceptional support services for the manufacturing industry. Our mission is to provide manufacturers of all sizes with the knowledge and tools they need to thrive.

Over 48,000 service calls resolved annually

95% of parts orders shipped the same day

24-hour parts availability

We understand that the success of your business depends on a multitude of properly working parts. That's why we make it our mission to get you the parts you need, fast. With over 400,000 ready-to-ship parts in stock and a 95% order fill rate from inventory, you can trust us to get you back in business in no time.

Experienced service

Downtime is expensive. It can hinder your productivity, reduce customer confidence and decrease profitability. With Stiles' network of five regional service centers and the nation's largest team of expert Field Service Technicians, the unparalleled service that you need is never far away.

Finance solutions

Stiles Machinery offers a variety of flexible financing options to meet your specific needs. With the help of our expert finance team, Stiles can help you reach your production goals while maintaining your financial reserves and cash flow.

Software integration

Stiles' broad range of innovative software solutions and cutting-edge diagnostic tools are designed to help you increase your competitive edge by enabling integration throughout your entire operation, from the office to the plant floor.

Professional training

Stiles University offers the industry's only program certified by the International Association of Continuing Education and Training (IACET). Learn from experts in the field and choose from over 48 courses at one of the Stiles University training centers, online, or in the convenience of your own facility.

Around-the-clock support

Your needs are our top priority, which is why we have a live person on call 24 hours a day, 365 days a year, to offer expert technical support. When you call, you will be connected to an experienced service professional who can review detailed data on your machinery and recommend the right fix, often within minutes.

Enhancement technologies

Stiles Enhancement Technologies offers the widest range of manufacturing solutions in the industry. Through ancillary equipment and upgrades to software, hardware, tooling, and more, we help keep your equipment current in an industry that is always evolving.

HOMAG

Edgebanders

Made in Germany. Made for you.

Headquartered in Schopfloch, Germany, HOMAG is the global leader in the production of industrial machinery and systems. Throughout its 50-year history, HOMAG has introduced a wide range of advanced solutions that continue to set new industry standards in manufacturing.

In 1960, HOMAG introduced the first edgebanding machine to the market followed by revolutionary advancements, including the invention of the hot-to-cold technique and double-sided edgebanding. Today, HOMAG continues their reputation as the industry leader in advanced edgebanding equipment by continuing to introduce new concepts and technologies that push the boundaries of innovation.

Like all HOMAG manufacturing solutions, these heavy-duty machines combine unmatched quality and accuracy that help manufacturers achieve new levels of efficiency, productivity and precision. Built for continuous, three-shift, low-maintenance industrial operation, HOMAG edgebanding machines provide a seamless finish, every time.

Come see for yourself

We invite you to visit our facilities and meet our knowledgeable staff in order to receive a first-hand look at our products and solutions. It's the best way to understand and appreciate our quality and service. Just contact us to set up a tour. We look forward to seeing you!

HOMAG continues their reputation as the industry leader in advanced edgebanding equipment by continuing to introduce new concepts and technologies that push the boundaries of innovation.

HOMAG EDGETEQ 4.4 Servo airTec Edgebander

The EDGETEQ Series machines produce perfect edges for small shops to large-scale furniture and component industries who require the highest-quality results. With a wide variety of equipment designed to meet each customer's specific needs for materials, feed speed, aesthetics, and functionality, the EDGETEQ Series has a solution for every challenge.



Product image is for illustration purposes only. Delivered machine may not be the same color or have the same markings as shown in the picture above.

Features & Details:

HOMAG EDGETEQ Series

Strength and stability

The EDGETEQ Series machines are built to withstand even the most challenging applications. HOMAG's industry-leading transport chain design provides accuracy and stability as workpieces make their way through the machine along centrally-lubricated guides. Track pads securely hold the workpiece in place while a steel pressure beam applies even pressure and superior hold at optimum feed rates. For larger applications, the workpiece support and roller guides can be expanded for even greater stability.

Customizable features

The EDGETEQ Series machines transport workpieces effortlessly through a series of programmed processing stages located within the machine. Each stage performs its unique function with absolute accuracy and efficiency. Additionally, the EDGETEQ Series offers multiple features and capabilities within each stage of operation, giving manufacturers the flexibility to customize the machine to meet their specific needs today, while equipping themselves for future growth.

Cost-efficient operation

Set-up, operation and troubleshooting can be performed by a single operator. The EDGETEQ Series easy set-up results in less material waste and faster, safer machine adjustment.

Features & Details:

HOMAG EDGETEQ 4.4 Servo

Basic Construction: strong and stable

- Integrated switch cabinet into the machine frame
- Variable feed speed
- Extendable solid workpiece support track; extends 600 mm
- Automatic chain track lubrication
- Isolation transformer with variable infeed voltage for balancing all 3 phases of incoming power and increasing the lifetime of the machine's electrical components
- Electrical equipment installed according to UL regulations

Sound Cover

The sound cover is equipped with two doors and a safety interlock system. When the sound enclosure door is opened, the corresponding unit shuts off. End trimming and fine trimming motors are equipped with electronic motor brakes to stop cutter rotation when the hood is opened or when the unit is shut off at the operator control panel.

Solid infeed fence

- Adjustment of infeed fence via servo motor

Track

- Industrial chain with industrial chain pads
- Round and flat guidance
- Automatic feed track lubrication system

Top Hold Down

- 2 rows of staggered *rollers (*belt for 4.4 FCG airTec)
- Smooth upper pressure *rollers (*belt for 4.4 FCG airTec)
- Top pressure hold-down; motorized for workpiece thickness adjustment

Magazine

- Automatic magazine for strip and coil feeding
- Line-controlled guillotine
- Large coil table (800 mm diameter) with built-in rollers to allow 3mm PVC coils
- Edge strip capacity: 0.4 – 8 mm

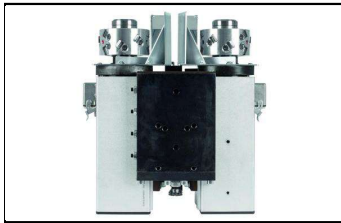
Features & Details: **HOMAG EDGETEQ 4.4 Servo** (continued)

powerTouch Controller: Simple operator control

This machine features powerTouch touchscreen operation, the most user-friendly and intuitive machine control available. Fit, finish and functionality of the powerTouch control unite to provide a user interface like no other. Ergonomic touch operation controls zooming, scrolling and swiping. It's essentially a tablet computer configured to operate a machine. It's that easy to use. The powerTouch control system is the standardized interface across all HOMAG machinery.

Hardware

- Full HD wide screen multi-touch display, keyboard, mouse and an industrial PC
- PLC control according to international standard IEC 61131
- USB connection at the operating panel
- Ethernet connection 10/100 MBIT RJ45



Joint Trimming Unit

The joint trimmer provides a clean, even edge for optimal edgebanding application. Trimming removes material tears, marks from scoring saws and material swelling.

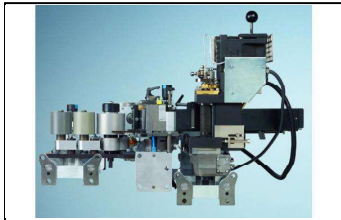
- Infeed fence positioning via servo program control
- 2 motors: 1 clockwise motor, 1 counter-clockwise motor
- Vertical spindle adjustment via digital settings
- Electronic frequency changer for all trimming motors, including electronic motor braking
- Diamond insert tooling accommodates workpiece thickness up to 40mm (60 optional)
- Height adjustment: 3mm
- 100 x 44 x 30mm; Z = 3

Features & Details: HOMAG EDGETEQ 4.4 Servo (continued)



Panel Pre-Heating

- Panel pre-heating zone prior to glue application
- 3.5" zone length for optimum panel heating



QA-65 N Gluing Unit

The hot melt granulate glue application system is designed for PUR and or EVA adhesives and includes an automatic purge cycle. Pneumatic locking of the unit secures the workpiece at the last inch.

For safety, an automatic temperature reduction feature lowers the glue temperature by 50°C if no workpiece is run over a 15-minute span. The unit reheats in just three minutes.

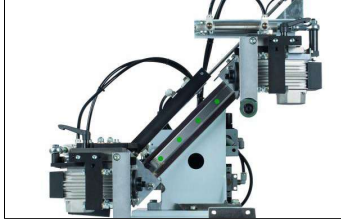
- 2-level system: 350 g with 8-minute heat up time; 800 g with 12-minute heat up time
- Hopper feeding system (**applicable to only the Quick Melt configuration**)
- LED thermostat display indicates glue temperature of both pre-melting unit and glue roller
- Direction of glue rollers is reversible
- Purging of hot melt glue while in the machine for glue type/color change



Pressure Zone

- Solid pressure zone with one driven main pressure roller and two idle post-pressure rollers
- Motorized positioning of the pressure zone

Features & Details: **HOMAG EDGETEQ 4.4 Servo** (continued)



Double-Motor End Trimming Unit

This straight/chamfer end trimming unit is equipped with 2 motors and electronic motor brakes. For safety, the unit applies a drawing cut system for reduced blade projection when processing thick workpieces.

- Strong linear guidance system, 5 times more rigid than round bars
- Tooling included
- Program-controlled indexing from straight to bevel end trimming
- Two position indexing for overhang
- Dust extraction



MS 40 Multi-Stage Fine Trimming Unit with 2 Radii

This top and bottom trimming unit is equipped with 2 motors and electronic motor brakes.

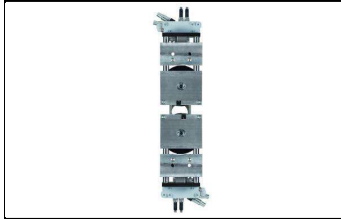
- Equipped with two (2) 0.55 kW 12,000 rpm trimming motors
- Electronic motor brakes
- Auto-tilt feature
- Servo-controlled to edge thickness
- Nested top copy system
- Four (4) profile choices: Profile 1, Profile 2, Bevel, and Flush Trimming via program control
- Equipped with 2 multi-profile radius cutter heads, including 4 knife carbide inserts

Features & Details: **HOMAG EDGETEQ 4.4 Servo** (continued)

Single-Motor Contour Trimming Unit with Servo Control

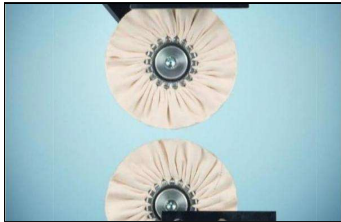
This unit provides corner rounding

- Includes one (1) trimming motor 0.35 kw 12,000 rpm; electronic motor brakes
- Servo axis control for profile depth and edge thickness
- Diamond tooling included
- Program controlled for two edge thicknesses



Finish Scraping Unit

Flat knives remove any unwanted material from the trimmed / scraped edge.



Buffing Unit

This unit smooths edges and optimizes color.

- 2 polishing motors for top and bottom buffing of longitudinal edges
- 2 cloth buffing discs: 150 x 20mm diameter
- Inclinable vertically and horizontally

LOOPTEQ O-200 Connection Kit

- Links edgebander with a LOOPTEQ O-200 return conveyor

Features & Details:

HOMAG EDGETEQ 4.4 Servo airTec

AT 15 airTec Reactivation Unit

HOMAG's airTec is an innovative, affordable system that provides a zero edge result. The system uses compressed super-heated, high-velocity air to activate the adhesive layer on edgbanding material. Air is propelled through a nozzle as the material passes through the magazine, fusing the material to the panel edge. The compressed hot air is applied close to the point where the workpiece and edging material come together.

airTec is significantly more affordable, requiring up to 80% less initial investment. It is integrated into existing control systems, eliminating redundant processes and reducing operator work time. It can be used with ABS, PP, and PMMA edging material equipped with a function layer on the backside.

An antistatic solvent spray unit is included to avoid the undesired glue residue on the top and bottom surfaces of edgbanded workpieces and achieve a perfect finish.

- 50% higher heat resistance
- 100% system integration allows simpler and more effective operator control (including temperature and pressure adjustments)
- Adapts to different workpiece thicknesses using the gate inside the air nozzle
- It takes only 10 minutes of heating until the unit is ready
- Workpiece thickness: 8 – 40mm
- Maximum feed speed: 15m/minute
- Temperature and pressure adjustable via program control

Anti-Static Spraying Unit

Software Preparation for Lubrication, Separating, and Detergent Spraying Units

- Machine comes prepped with software to add lubrication, separating, and detergent spraying units retroactively



MZ 40 Multi-Stage Profile Scraping Unit with 2 Radii

- Program controlled indexing of in or out of position
- Multi-profile for 2 radii
- Servo-controlled positioning of both vertical and horizontal tracing rollers
- Nested top copy system
- Multi-profile inserts are standard and included

Workforce Development

A well-trained workforce is essential to realizing the full capabilities of HOMAG equipment, safe and efficient machine operation, increased component and tooling life, and reduced maintenance costs. At the time of installation, basic machine programming, operation, and troubleshooting training is administered onsite by a Stiles Field Service Representative (FSR).

Additional training is available through Stiles University, the industry’s only nationally accredited training program. With over twenty regularly-scheduled courses, Stiles University provides comprehensive, hands-on technical and application training as well as best practices designed to equip manufacturers with the skills and knowledge they need to thrive.

Designed to meet customer needs, sessions are offered at any of Stiles University’s dedicated training centers nationwide, online, or onsite at the customer’s facility (if a more specific, customized training is desired).

Explore upcoming course offerings and/or register online at www.stilesuniversity.com or contact classes@stilesmachinery.com for more details.

Machine Control & Software: HOMAG EDGETEQ 4.4 Servo

Digital Solutions

materialManager

- How can I track my edge banding inventory online?

materialManager and materialAssist Edge (edge rack)

- How can I track my edge banding inventory online and on the production floor?

DataSave

- Can I easily back up machine production and parameter data?

productionAnalyzer (MMR Mobile)

- How do I know if my machine is running efficiently?

MachineBoard

- I would like to monitor machines in real time

ServiceBoard

- I need help managing machine maintenance

Want to learn more or need help discovering what's right for you?

Please visit www.stilesdigital.com or email stilesdigital@stilesmachinery.com

ServiceBoard

ServiceBoard | annual use in App Plus package

Communication with service partners for fast fault detection by means of creating and sending service cases and video diagnosis - exchange of 3D models and construction plans is thus enabled.

- Keep track of all service cases in an uncomplicated way
- Avoid unplanned interruptions through predictive maintenance (where applicable)
- Access online spare parts store in app
- Review open service tickets previously submitted via the app
- Review solved service cases with documented solutions previously submitted via the app
- Colors indicate the urgency of maintenance activities, such as cleaning a vacuum pump
- Older machines without an internet connection can be used with ServiceBoard
- Integrated video diagnostics

Technical requirements

- Details on the technical requirements at tapio.one/en/ServiceBoard

Available in all tapio regions. One license is required per machine to be used with ServiceBoard. For "ServiceBoard", a service of tapio, the terms of use (available at terms.tapio.one/serviceboard/en.html) apply. As "ServiceBoard" is provided on tapio, registration on tapio is required. The Platform Terms of Use (available at tapio.one/en/tou) apply to membership in tapio.

After expiration of the license period, your license will be automatically renewed at the applicable terms and conditions in the tapio store (store.tapio.one). You will be reminded by email before renewal.

By accepting this offer, the customer allows HOMAG to share all order-related data with tapio. ServiceBoard works in service requests and video diagnosis without machine connection or tapio-readiness. To receive specific services from your service partner, you may need a separate service contract with the responsible service partner, e.g. Homag.

Note: Delivered machine may not include the package mentioned above. Confirmation of package availability to be determined at time of install.

Technical Specifications

Dimensions All equipment offered is made to metric standards. Dimensions shown in English measure are approximate and for comparison purposes only.

MATERIAL CAPABILITIES

Edgeband Thickness Coils	0.4 - 3 mm (0.016 - 0.125")
Edgeband Thickness Strips	0.4 - 8 mm (0.016 - 0.315")
Workpiece Length (minimum)	160 mm (6.3")
Workpiece Width (minimum)	70 mm
Workpiece Thickness	8 - 60 mm (0.32 - 2.4")
Workpiece Thickness airTec	8 - 40 mm (0.32 - 1.57")

UNIT

Pressure Zone	One Driven, Two Idle Rollers
Joint Trimming Unit (2x)	2.2 kW /12,000 rpm
End Trimming Unit (2x)	.22 kW /12,000 rpm
Fine Trimming Unit (2x)	.55 kW /12,000 rpm
Contour Trimming Unit (1x)	.35 kW /12,000 rpm
Contour Trimming Workpiece Length (minimum)	250 mm (9.8")
Feed Speed	8 - 14 m/min (26.2 - 46 ft/min)
Feed Speed with contour trimming	11 m/min (36 ft/min)

Technical Specifications (continued)

ELECTRICAL

Total Power Required	32 kW
Recommended fuse with facility voltage 230v	96 amps
Approx. nominal current 230v	80.3 amps
Recommended fuse with facility voltage 480v	46 amps
Approx. nominal current 480v	38.5 amps
Connection Voltage	200/208/230/440/480/600
Power	3-Phase

*Stiles recommends to work with a certified electrician according to your state laws and regulations. The recommended fuses are a base line and a true calculation of the facilities power and any fluctuations should be considered by a certified electrician

DUST EXTRACTION & AIR CONSUMPTION

Port Size	(1x) 120 mm, (5x) 80 mm, (1x) 100 mm
Extraction Volume (minimum)	2035 CFM
Machine Compressed Air	12 CFM, 6 bar (87 PSI), 3/8" ID airline
airTec Compressed Air	7 bar (116 PSI), 1" ID airline
airTec When Using 19 mm Panels	28 CFM
airTec When Using 38 mm Panels	52 CFM

MACHINE DIMENSIONS

Length	5573 mm (18.5 ft)
Width	1300 mm (4 ft)
Height	2286 mm (7.5 ft)
Weight	1850 kg (4078 lbs)