BESTFOAM

Technology For PU Foam Processing

CNC CONTOUR

Foam Cutting Machines

Continuous Blade

Wire CNC

Oscillating Blade

CNC Cutting Lines

BESTFOAM
GROUP

Complete Solutions for the Foam Processing Industry

Bestfoam Group is an integrated industrial group specialized in delivering complete solutions for the foam, upholstery, mattress and other industries.
With over 15 years of experience and a strong presence in both production and technology, we are a trusted partner for companies in Europe and beyond.

25,000 m^2	11,9 mill €	105
Manufacturing Facilities	**Sales Volumes**	**permanent empolyees**

Our Core Business Lines

Industrial Knives Manufacturing & Distribution
We produce and sell high-performance cutting blades and knives for a wide range of industries, with a strong focus on foam processing blades.
Other sectors served include wood, metal, food, rubber, textile, and more.

PU Foam Manufacturing & Processing
We manufacture and sell flexible polyurethane foam in various forms:

- Standard blocks
- Cut-to-size or CNC-shaped parts
- Trim foam
- Foam injection technology for molded foam parts

Equipment & Machinery Distribution
We supply specialized equipment for:

- Foam cutting and processing & producing
- Spring production
- Quilting, embroidery & sewing
- Mattress packaging & compression
- Waste management solutions

Chemicals & Formulations for PU Foam
Pur Chemicals Solutions handles the supply of high-quality raw materials and formulations for polyurethane production, including:

- Polyol & Isocyanate
- Additives & Catalysts
- Adhesives and processing chemicals

CNC Cutting Machine Range

Oscillating Blade CNC Machines

Horizonrtal CNC

H Series (H5S, H6S, H7S)

Vertical CNC

V6 Model

Horizontal & Vertical CNC

HV6 Model

Continuous Blade CNC Machines

Horizonrtal CNC

GH Series (GH5, GH6)

GHL8 Model

GHH8 Model

Vertical CNC

GV Series (GVV6, GV6, GV8)

Wire Cutting CNC Machines

Horizonrtal CNC

LH5 Model

Horizontal & Vertical CNC

LHV4 Model

CNC Cutting Lines

GHL8 + GV6 Cutting Line

GHH8 + GV8 Cutting Line

BESTFOAM

Oscillating Blade CNC Machines

H Series

Horizontal Cutting

- High Precision Cutting
- Compact Footprint
- Fully Automatic Operation
- Robust Construction
- CE Certified

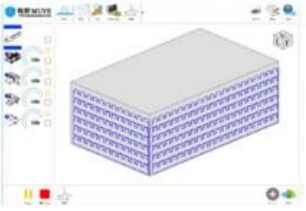
The H Series represents a range of horizontal CNC cutting machines using high-speed oscillating blade technology, designed for precision foam processing. While all models in the series deliver the same cutting quality, speed, and control, they differ in terms of table configuration—each optimized for a specific type of workflow and automation level.

Block Stabilization Options

Pad Press Conveyor

Roll Press Device

Software Included



All our CNC cutting machines come bundled with a professional software. See page 20.

Industries & Applications

- **Mattress & Bedding**
- Medicine and Hygiene
- **Furniture and Upholstery**
- Accoustic Insulation
- Packaging
- **Automotive**
- **Construction**

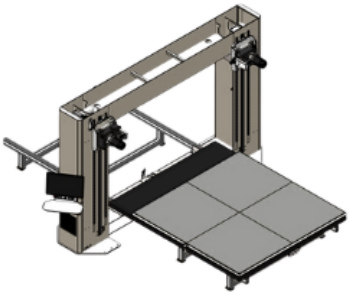
Compatible Materials

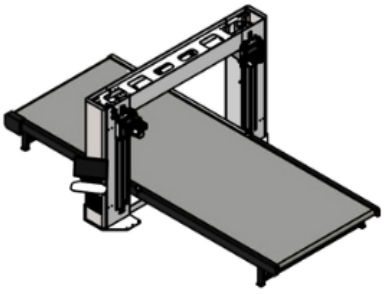
- PU Foam
- **Latex**
- **PE Foam**
- Sticky Foam
- **Rebonded Foam**

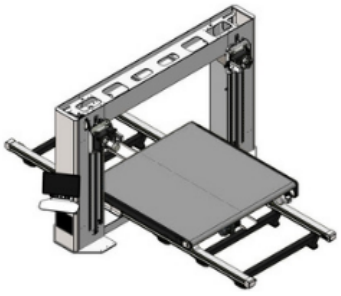
Machine Configurations

The H Series comes in three configurations to adapt to different production needs and automation levels:

- **Manual rotating tables** – Compact design, allows processing along two horizontal axes (x & z). Foam block loading and table rotation are performed manually.
- **Automatic conveyor tables** – Allow continuous material feeding, ideal for integration into fully automated cutting lines. Ensure high efficiency cutting operations.
- **Rotating conveyor tables** – Hybrid system combining the benefits of rotating tables and automated conveyors. Enables fully automated dual-axis processing and can be easily integrated into cutting lines thanks to the conveyor table.







H5S Model	**H6S** Model	**H7S** Model
Manual Rotating Table	**Conveyor Table**	**Electric Rotating Conveyor Table**
Max Foam Block Size		
2200×2200×1250 mm	**3000×2200×1250 mm**	**2200×2200×1250 mm**
Optional: Configuration With Larger Worktable (L × W × H)		
2300×2300×1500 mm	**4500×2200×1500 mm**	**2300×2300×1500 mm**
Machine Dimensions (L × W × H)		
5000x3810x2376 mm	**6185x3810x2376 mm**	**5080x3810x2380 mm**

All configurations share the same cutting performance and software control system. The main difference lies in block handling and workflow automation.

Technical Specifications

Cutting Accuracy	±0.5 mm	**Blade Travel Distance**	48 mm
Cutting Speed	15 m/min	**Blade Size**	0.5×3×2300 mm
Blade Pressure	6 bar	**Power Consumption**	13 kW (12kW for H5S)
Blade Stroke Frequency	3000 strokes/min	**Voltage**	380V 50Hz 3P

YouTube

Click here
and watch this machine in action!

BESTFOAM

Oscillating Blade CNC Machines

V6 Model

Vertical Cutting

High Precision Cutting

Compact Footprint

Conveyor Table

User-Friendly Opperation

CE Certified

HV6 Model

Horizontal & Vertical Cutting

Oscillating Blade CNC Machines

2 in 1 | Vertical & Horizontal

High Precision Cutting

Compact Footprint

Conveyor Table

CE Certified

General

V6 A compact and efficient CNC cutter designed for standard vertical cutting with oscillating blade technology. The V6 is the perfect entry-level solution for businesses seeking precision and efficiency in a smaller footprint.

HV6 The HV6 is a compact 2-in-1 CNC solution that combines the efficiency and flexibility. Equipped with a conveyor table and dual-axis cutting capability (x and y). It delivers exceptional versatility for both linear cutting and complex shaping . Its multifunctional design in a compact footprint makes it a best-selling model—offering high production flexibility with a balanced investment.

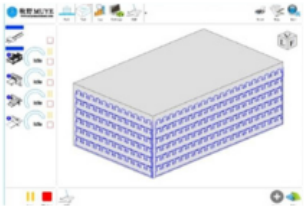
Technical Specifications

	V6 Model	HV6 Model
Max Foam Block Size	3000×2200×1250mm	
Optional Block size	4500×2300×1500mm	
Cutting Accuracy	±0.5 mm	
Cutting Speed	15 m/min	
Blade Pressure	6 bar	
Blade Travel Distance	48 mm	
Blade Stroke Frequency	3000 strokes/min	
Power Consumption	18 kW	
Voltage	380V 50Hz 3P	
Vertical Blade Size	1570×3×0.6 mm	
Horizontal Blade Size	N/A	2530×3×0.6 mm

Roll Press Device

Applies continuous top pressure using a rolling mechanism to stabilize the foam block during cutting

Software Included



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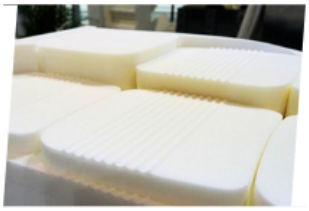
Industries & Applications

- **Mattress & Bedding**
- Medicine and Hygiene
- **Furniture and Upholstery**
- Accoustic Insulation
- Packaging
- **Automotive**
- **Construction**

Compatible Materials

- PU Foam
- **Latex**
- **PE Foam**
- Sticky Foam
- **Rebonded Foam**



Click here and watch the **V6** in action!

YouTube

Click here and watch the **HV6** in action!

BESTFOAM

Continuous Blade CNC Machines

GH Series

Horizontal Cutting

- High Precision Cutting
- Designed for Long-Term Use
- Fully Automatic Operation
- High Efficiency
- CE Certified

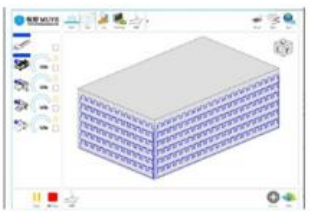
General

The GH Series delivers fast, precise horizontal cutting using a continuous blade system. Comes in two options: manual rotating table or automated conveyor.
Engineered for reliability and minimal downtime, the GH Series optimize output while maintaining consistent quality—ideal for foam processing lines that demand performance and flexibility.

Press Device

Applies continuous top pressure using a rolling mechanism to stabilize the foam block during cutting

Software Included



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Industries & Applications

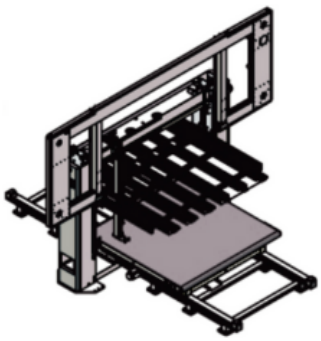
- **Mattress & Bedding**
- Medicine and Hygiene
- **Furniture and Upholstery**
- Accoustic Insulation
- Packaging
- **Automotive**
- **Construction**

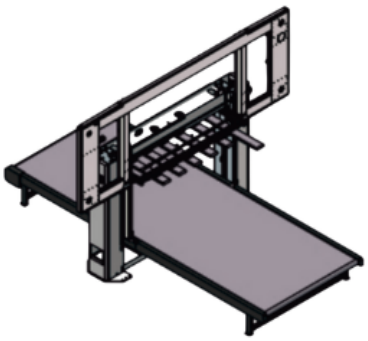
Compatible Materials

- PU Foam
- **Latex**
- **PE Foam**
- Sticky Foam
- **Rebonded Foam**

Machine Configurations

The GH Series comes in two configurations to adapt to different production needs and automation levels:





GH5 Model	**GH6** Model
Conveyor Rotating Table	**Conveyor Table**
Max Foam Block Size	
2300×2300×1500 mm	**4500×2300×1500 mm**
Optional: Configuration With Larger Worktable	
2300×2300×1500 mm	**2300×2300×1500 mm**
Machine Dimensions (L × W × H)	
5220x5042x3530 mm	**5000x3810x2376 mm**

Both configurations share the same cutting performance and software control system. The main difference lies in table type, wich affect the block handling and workflow automation.

Technical Specifications

Cutting Speed	30 m/min	**Blade Size**	13090×3.2×0.6 mm
Cutting Accuracy	±0.1 mm	**Power Consumption**	15 kW
Blade Pressure	6 bar	**Voltage**	380V 50Hz 3P

Cutting Line Integration

For advanced dual-axis processing, the GH Series machines can be paired with a machine from the **GV Series,** enabling a highly efficient workflow

Auto Sharpening System

Includes an integrated blade sharpening system with stones. A well-sharpened blade ensures optimal cutting performance, consistent results, and extended blade life.

YouTube

Click here
and watch this machine in action!

BESTFOAM

Continuous Blade CNC Machines

GHL8 Model

Horizontal CNC Cutting

- Dual Block Cutting
- High Productivity
- Robust Construction
- Engineered for Durability
- CE Certified

GHH8 Model

Horizontal CNC Slicing

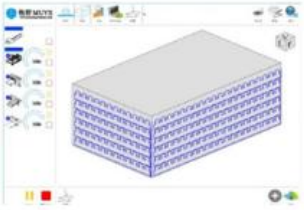
Continuous Blade CNC Machines

- Ultra High Speed
- Dual Block Cutting
- Bidirectional Cutting
- Highest Productivity
- CE Certified

Operation

The conveyor supports dual-block loading, allowing simultaneous cutting for increased throughput. The cutting is performed by a mobile blade frame that moves horizontally along the conveyor and vertically (up/down) to complete both contour cutting and slicing operations.

Software Included



All our CNC cutting machines come bundled with a professional software. See page 20.

Technical Specifications

Max Foam Block Size	3000×2200×1250mm	**Blade Pressure**	6 bar
Optional Block Size	4500×2300×1500mm	**Voltage**	380V 50Hz 3P

General

Both models are equipped with a **conveyor table** for automatic block feeding and a **vacuum-assisted press system.**

For advanced dual-axis processing, they can be paired with a machine from the **GV Series**, enabling a highly efficient workflow with maximum speed, precision, and automation.

GHL8 vs GHH8

GHL8 Model	**GHH8** Model
CNC Contour Cutting	**Slicing Only**
Max Cutting Speed	
30 m/min	**100 m/min**
Cutting precision	
±1 mm	**±0.5 mm**
Power Consumption	
30 kW	**25 kW**
Blade Size	
0.6x3.2x13090mm, 24TPI	**0.65x13x10850mm, 2-side edge**
Machine Dimensions (L × W × H)	
5448x5042x3744 mm	**5448x4200x3690 mm**

Press Device with Vacuum Suction System

The advanced vacuum-assisted press system stabilizes the block and allows partial cutting, which is performed from bottom to top. The vacuum device lifts the remaining uncut portion, leaving the cut layers perfectly aligned on the conveyor. This enables fully automated transfer to the next processing stage (vertical cutting), eliminating manual handling.

Industries & Applications

Mattress & Bedding | Medicine and Hygiene

Furniture and Upholstery | Accoustic Insulation

Packaging | **Automotive** | **Construction**

Compatible Materials

PU Foam | **Latex**

PE Foam | Sticky Foam

Rebonded Foam

BESTFOAM

Continuous Blade CNC Machines

GV Series

Vertical Cutting

High Speed Cutting

Fully Automatic Operation

High Accuracy

Conveyor Worktable

CE **Certified**

General

The GV series is an advanced CNC cutting solution equipped with continuous blade, engineered for high-speed cutting along the vertical axis.
While all models share the same cutting principle, they differ in speed, and cutting complexity.

Need only straight cuts for trimming mattress cores or simple rectangular shapes?	Choose **GVV6**, It performs straight-line cutting only, at speeds up to 60 m/min.
Need contour cutting and have moderate production volume?	Choose **GV6**, It allows contour cutting at 60 m/min.
Need maximum speed and complex cuts?	Choose **GV8**, It does everything GV6 can but faster: speeds up to 80 m/min.

Industries & Applications

Mattress & Bedding

Medicine and Hygiene

Furniture and Upholstery

Accoustic Insulation

Packaging

Automotive

Construction

Compatible Materials

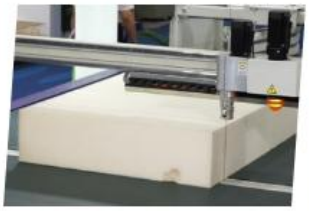
PU Foam

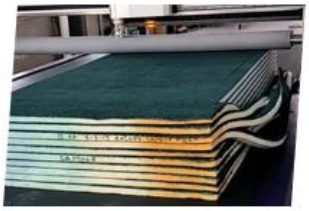
Latex

PE Foam

Sticky Foam

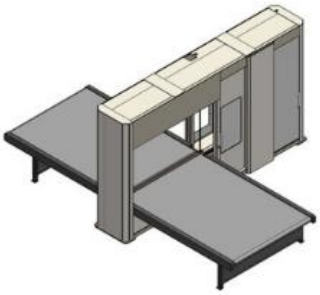
Rebonded Foam

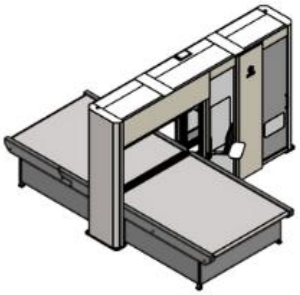


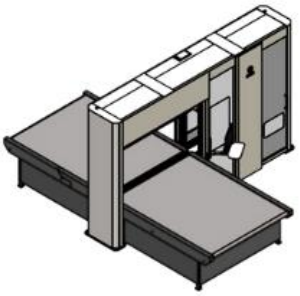


Machine Configurations

The **GV Series** comes in three configurations to adapt to different production needs







GVV6 Model	**GV6** Model	**GV8** Model
Straight Cutting Only	**CNC Contour Cutting**	**CNC Contour Cutting**
	Max Cutting Speed	
60 m/min	**60 m/min**	**80 m/min**
	Blade Size	
0.6x8.0x9900mm	**0.6x3.5x10350mm**	**0.6x3.5x10350mm**
	Power Consumption	
13 kW	**25 kW**	**25 kW**
	Machine Dimensions (L × W × H)	
6550x5248x2923	**6020x5248x3180**	**6550x5250x4015**

All **GV Series** models are built on the same platform and use the same software system.

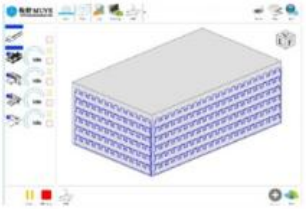
Technical Specifications:

Max Foam Block Size	3000×2200×1250mm	**Max Loading Speed**	40 m/min
Optional Block size	4500×2300×1500mm	**Cutting Accuracy**	±0.5 mm
Blade Pressure	6 bar	**Voltage**	380V 50Hz 3P

Roll Press Device

Applies continuous top pressure using a rolling mechanism to stabilize the foam block during cutting

Software Included



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YouTube

Click here
and watch this machine in action!

BESTFOAM

Wire Cutting CNC Machines

LH5 Model

Horizontal Cutting

- High Precision Cutting
- Compact Footprint
- Rotating Table
- User-Friendly Opperation
- CE Certified

LHV4 Model

Horizontal & Vertical CNC

Wire Cutting CNC Machines

- 2 in 1 | Vertical & Horizontal
- Compact Footprint
- Conveyor Table
- High Precision Cutting
- CE Certified

The LH Series includes CNC cutting machines with a wire system, engineered specifically for processing rigid and high-density foam materials. LH machines are ideal for industrial applications such as: insulation materials, furniture and mattresses and a variety of automotive products.

Technical Specifications

Cuttting Speed	15 m/min
Cutting Precision	±0.5 mm
Blade Pressure	6 bar
Wire Size	1.3 mm
Power Consumption	12 kW
Voltage	380V 50Hz 3P

LH5 vs LHV4

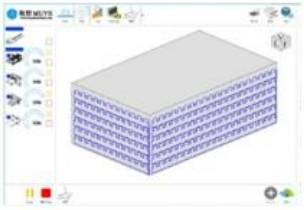
LH5 Model	**LHV4** Model		
LH5 is available in one variant only	**LHV4** is available in 3 constructive variants:		
	LH4	**LV4**	**LHV4**
Horizontal Cutting	**Horizontal Cutting**	**Vertical Cutting**	**Horizontal & Vertical**
1 Wire	1 Wire	1 Wire	2 Wires
Manual Rotating Table	**Conveyor Table**		
Wire Speed:	Wire Speed:		
50 m/s	**30 m/s**		
Max Foam Block Size:	Max Foam Block Size:		
2200x2200x1250mm	**3000x2200x1250mm**		
Optional Configuration	Optional: Configuration With Larger Worktable		
2300x2300x1500mm	**4500x2300x1250mm**		

Block Stabilization Options

Pad Press Conveyor

Roll Press Device

Software Included



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Industries & Applications

- **Mattress & Bedding**
- Medicine and Hygiene
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- Accoustic Insulation
- Packaging
- **Automotive**
- **Construction**

Compatible Materials

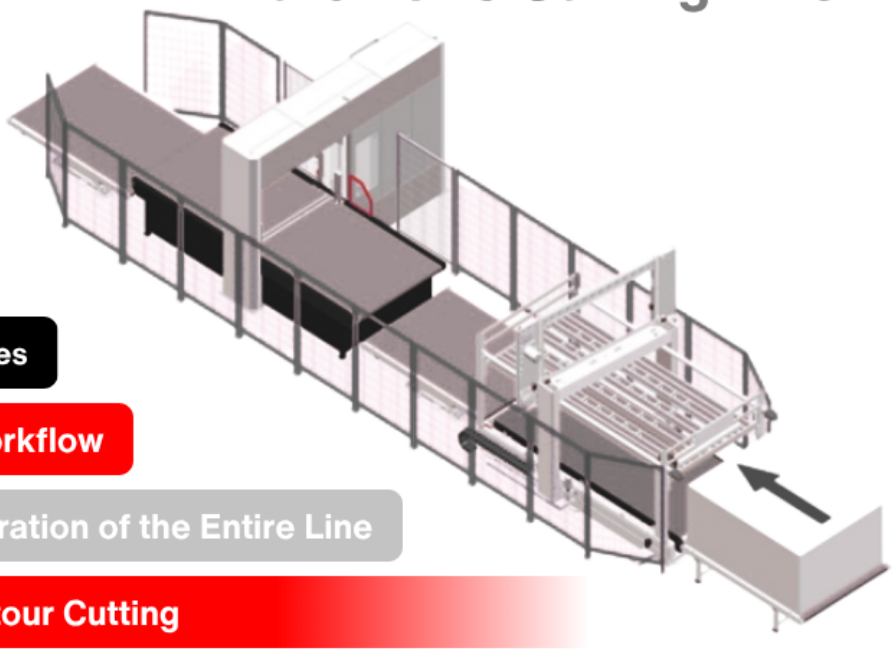
- PU Foam
- **EVA**
- **PE Foam**
- EPS Foam
- **Rebonded Foam**

BESTFOAM

CNC Cutting Line Configurations

GHL8 + GV6

Automatic Cutting Line



CE Certified

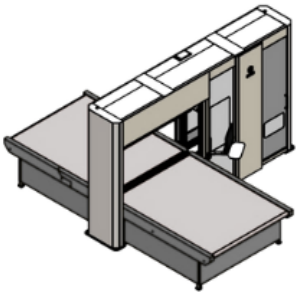
3 Transfer Table

2 CNC Cutting Machines

Fully Automated Workflow

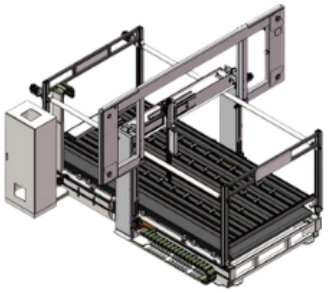
Single Console Operation of the Entire Line

Dual-Axis CNC Contour Cutting



GV6 – Vertical CNC

Max cutting speed **60 m/min**



GHL8 – Horizontal CNC

Max cutting speed **30 m/min**

Applications

Mattress Production

The foam block is first side-trimmed vertically using the GV6, ensuring perfect rectangular geometry. Next, the GHL8 machine performs horizontal contour cutting, shaping the ergonomic mattress cores with precision.

Upholstery Production

The GHL8 machine performs the initial slicing or horizontal contour shaping of the foam block. Afterward, the GV6 machine executes vertical contour cutting, transforming the sliced block into individual upholstery components such as seat cushions, backrests, armrests, headrests, and more.

Line Accessories

To ensure continuous material flow between the machines, each line is equipped with a set transfer tables:

Scisors Type Lifting Table - 1 pcs

Located between the two cutting machines

Fixed Conveyor Table - 2pc

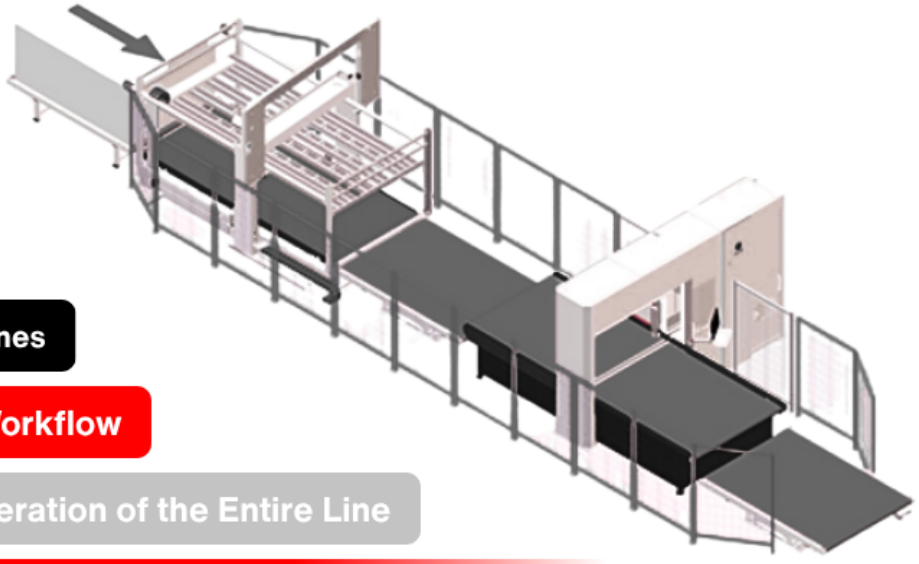
One used for loading, the other for unloading

BESTFOAM

CNC Cutting Line Configurations

GHH8 + GV8

Automatic Cutting Line



CE Certified

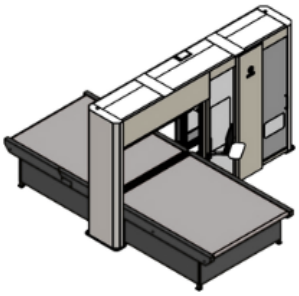
3 Transfer Table

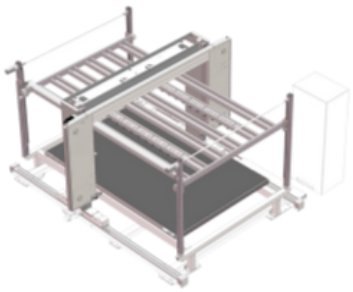
2 CNC Cutting Machines

Fully Automated Workflow

Single Console Operation of the Entire Line

Horizontal Slicing + Vertical CNC Contour





GV8 – Vertical CNC

Max cutting speed **80 m/min**

GHH8 – Horizontal Slicer

Max cutting speed **100 m/min**

Applications

Mattress Production

Firstly the block is processed by the GV8, vertical straight cutting, ensuring precise side-trimming into standard mattress formats.
Then the GHH8 performs ultra-fast horizontal slicing into sheets, enabling high-throughput production.

Upholstery Production

GHH8 slices foam blocks into uniform sheets at very high speed. The vacuum press device holds the sheets in place during cutting and the whole stack goes to the GV8, where the machine cut them all at once, producing upholstery components.

Cutting Capacity

Regular Shapes

up to **600 m^3/day**

In other words

up to **200 tons/month**

Iregular Shapes

up to **300 m^3/day**

In other words

up to **600 tons/month**

BESTFOAM

CNC Cutting Accessories

Foam Block Handling & Workflow Automation

Transfer Tables

Designed to streamline block handling, The transfer tables ensure smooth material flow between cutting operations. Whether height-adjustable or fixed, these tables enable efficient loading, alignment, and transition of foam blocks across CNC lines.

Scisors Type Lifting Table

A height-adjustable conveyor table, with a hydraulic lift system, operated directly from the CNC interface, to raise or lower foam blocks for loading and unloading. Especially useful for bridging height differences between machines, such as GV Series (1000mm table height) and GH Series (600mm)."

Lifting Range 500 - 1000mm

Fixed Conveyor Table

A stable, powered belt conveyor designed for efficient foam block handling before and after the cutting process. With a fixed working height, it ensures smooth material transfer in production lines. Operated directly from the CNC interface, the table facilitates continuous workflow.

Auto-Guided Feeding Table

A motorized roller conveyor equipped with pneumatic cylinders that actively guide and align foam blocks as they enter the cutting line. The system ensures each block is fed straight and centered. Ideal for multi-machine production flows, where slight deviations can affect accuracy and efficiency.

Air Preassure 6 Bar

Worktable Type	
Conveyor Belt	Drum Transmission
Synchronization function	
Yes	No
Total Power	
1.5Kw	0.75Kw
Foam Block Lenght	3000 mm (optional 4500mm)
Foam Block Height	1250 mm
Foam Block Width	2200 mm
AC Power	380V, 3 phase, 4 wire
Conveyor Speed	20 m/min - 40 m/min

BESTFOAM

CNC Cutting Accessories

Foam Block Handling & Workflow Automation

Smart Management Systems

Designed to enhance production autonomy, these smart systems automate foam block handling, stacking, distribution, and transport. By creating buffer zones and reducing manual input, they ensure consistent material flow and maximize overall cutting line efficiency.

Foam Block Stacker / Destacker

This equipment prepares multiple blocks in advance by stacking them, creating a buffer zone that ensures continuous flow toward the cutting line keeping machines constantly supplied with material.

Foam Sheet Distributor

Automated sheet separation for high-speed production Designed for horizontal slicers, this system separates foam sheets automatically after cutting. Eliminates manual handling of the cutted material

AGV - Transport Robot

This autonomous foam block mover with smart routing is capable of loading unloading, and transporting blocks between machines, integrated with scheduling software, thus optimizing material flow.

Foam Size					
Lenght	3000mm	Lenght	3000mm	Lenght	2000mm
Width	2200	Width	2200mm	Width	2200mm
Height	1250-1500mm	Height	1500mm	Height	N/A
Size of the Machine					
Lenght	3190mm	Lenght	7800mm	Lenght	1990mm
Width	3880mm	Width	3420mm	Width	2160mm
Height	3440mm	Height	3220mm	Height	590mm
Total Power					
7.5Kw		15Kw		4.5Kw	
Lifting Speed				**Feeding Speed**	
10m/min				30m/min	
Conveyor Speed				**Moving Speed**	
30m/min				70m/min	
Max Lifting Weight				**Max Loading Weight**	
1500-1800kg				1000kg	

BESTFOAM

Software

Included with All CNC Machines

Advanced Nesting & Cutting Path Optimization

User Friendly

Easy to Learn

High Optimization

Multi-Zone Calculation

AutoCAD DXF Compatible

All our CNC cutting machines come bundled with this professional software – developed by the OEM, for maximum performance and accuracy.

General

The software provides automatic nesting calculation and cutting path optimization solutions for the foam cutting industry.

- The system supports general AutoCAD drawings.
- A high level of efficiency of the system is ensured by high rates of nesting and utilization.
- The system supports continuous calculation and simultaneous multi-zone calculation.
- The user can choose the file format to export the calculation task to other software, thus achieving greater calculation flexibility.
- File output format supports the special "CAM" format or our company dedicated MYPX format.

Operation

Easy to understand, easy to learn, and easy to use, with a friendly interface between operator and machine, the system comes with the following characteristics

- Allows input of general DXF drawing data, or manual input of the drawing data.
- Convenient cutting quantity editor, allows Simple tiling / Common edge tiling / Double common edge tiling
- Supports rotating and flipping drawings
- Allows setting the distance between two pieces on the foam block
- Rectangle, trapezoid, triangle, parallelogram and circular tile combination nesting and path optimization.

Industries & Applications

Intended not only for simple cutting of complex 2D shapes and simple 3D shapes, but also for nesting of the parts in a block and optimization of the consumption of foam.
The software is the core of all CNC cutting machines, developed by the OEM. It can be used for applications in the following industries

Mattress & Bedding

Medicine and Hygiene

Furniture and Upholstery

Construction

Automotive

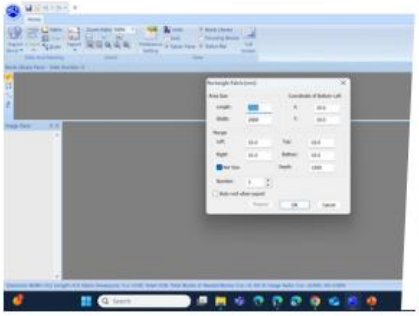
Packaging

Accoustic Insulation

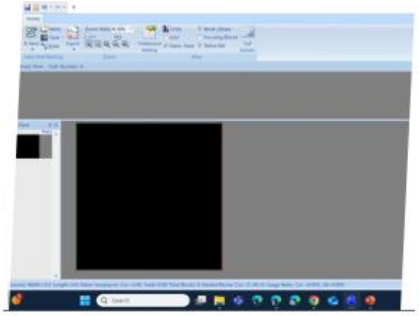
Basic Instructions of Use

Step 1 – Initial Setup

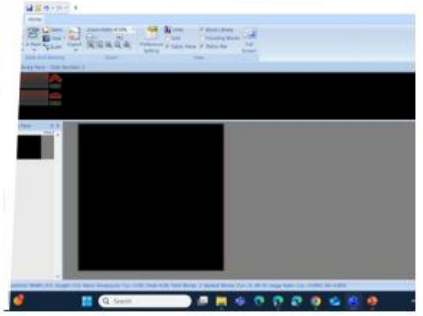
1.1 Setting the unit system



1.2 Setting foam block size

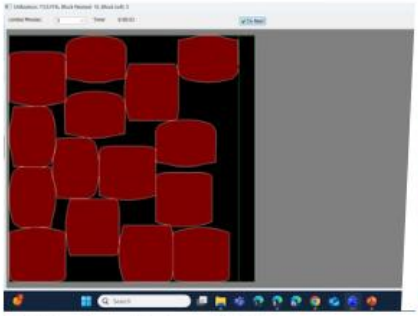


1.3 Manual draw or input DXF drawings



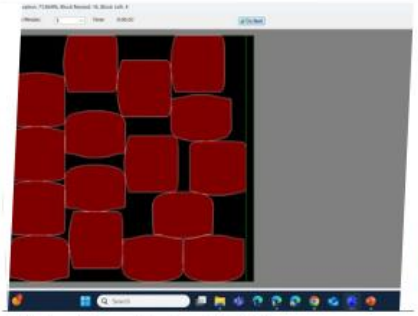
Step 2 – Auto Nesting

2.1 Setting parts to be cut



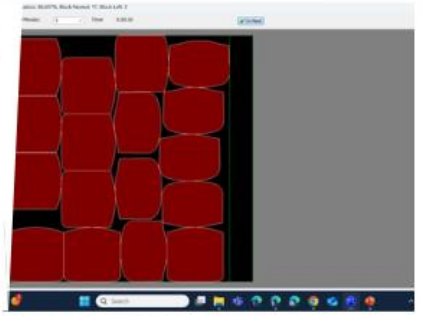
Utilization Rate: **73%**

2.2 Manual or Auto nesting



Utilization Rate: **76%**

2.3 Progressive optimization of the cutting area

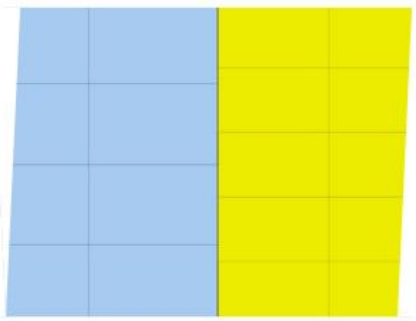


Utilization Rate: **86%**

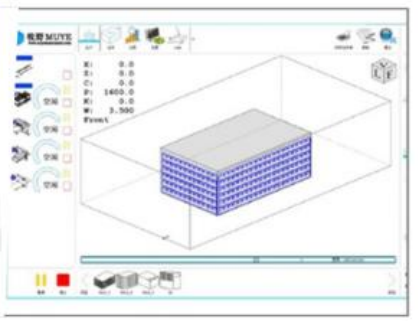
Step 3 – Output Nesting

2.1 Setting cutting path

2.2 Setting output file format



2.3 Completing software operation

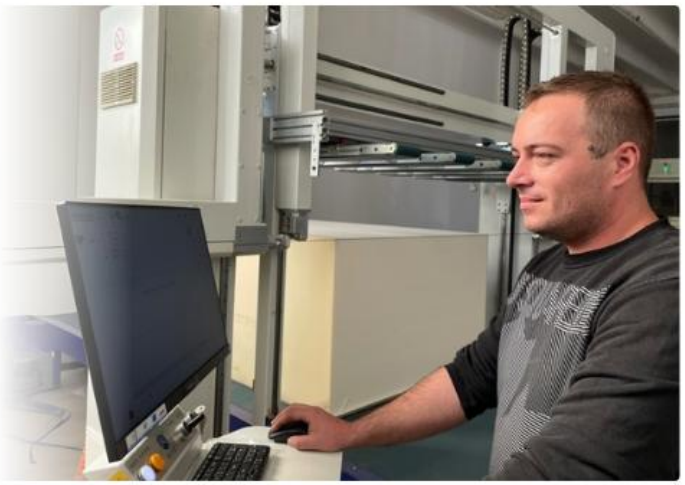


BESTFOAM

Technical Service & Support

Long-Term Partnership. Global Support.

- Pre-Sales Consultancy
- On-Site Installation & Calibration
- Training for Operators
- Technical Support
- Spare Parts Supply



Our Commitment

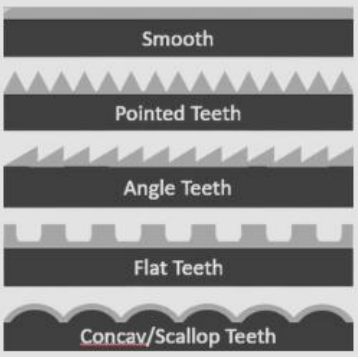
At Bestfoam, we don't just supply machines — we deliver complete, long-term cutting solutions. From the moment you begin evaluating a foam cutting line, through delivery and installation, and throughout the machine's entire operating life, our team is with you every step of the way.

Our Service Workflow

1. **Consultancy Before Purchase**
   We offer detailed pre-sales support to help you choose the right cutting solution for your application, production volume, and budget.
2. **Delivery & Installation**
   We ensure fast and secure transport, followed by on-site installation, machine calibration and commissioning by skilled professionals.
3. **Operator Training**
   We train your operators directly on the production floor, ensuring safe and efficient use of the equipment from day one.
4. **Technical Service & Remote Support**
   Our skilled service team provides on-site interventions when needed and remote technical support for troubleshooting.
5. **Spare Parts & Maintenance**
   We supply original spare parts — to keep your machines running in peak condition, just like on day one.
6. **Warranty Coverage**
   All machines come with a standard warranty.
   Extended service contracts are available upon request.

The Right Blade for Every CNC

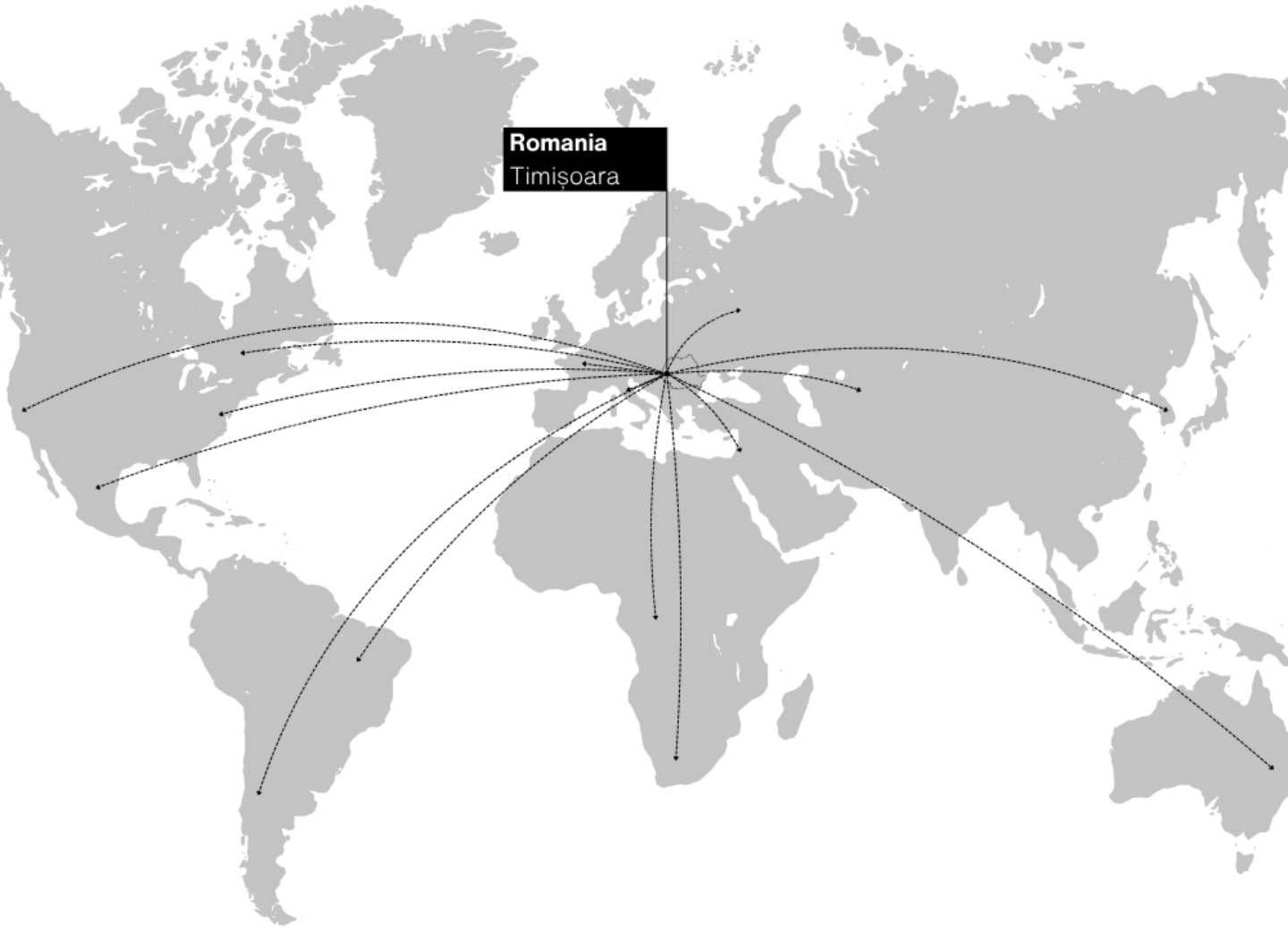
As a **manufacturer of cutting blades**, we ensure that the machine is paired with the right blade, based on material and cutting requirements, ensuring:
— Maximum cutting quality
— Extended blade lifespan,
— Optimized machine performance



Trusted by Clients Worldwide

Machines supplied by Bestfoam are running daily in production facilities across:
Europe, Asia, the Middle East, Africa, and the Americas.
With hundreds of installations in more than 65 countries, the technology we supply is trusted by industrial clients around the world, including:

Foam Converters | Furniture Makers | Mattress Producers | Packaging Manufacturers



300+
putting into operation

75
countries

15
years of experience

BESTFOAM