

# A GLOBAL PLAYER IN FOAM INDUSTRY



FOAMING & REBOND
FOAM CUTTING
CNC CUTTING LINES
SPRING PRODUCTION
MATTRESS PRODUCTION
WASTE MANAGEMENT





### **ABOUT US**

We started in 2010, and foam cutting was our core activity. In addition, we were selling cutting machines and foaming equipment.

Together with our team, we designed and built some of the machines and equipment we are work with even today. We worked hard and we invested every penny in the development of our company.

We have been present as exhibitor at all major international fairs, from Mexico to the Arabian Emirates, from China to Germany, from the Netherlands to Serbia.

We traveled all over the world, on all continents, with our products, with our knives – especially, and that's how we succeeded to export today in over 65 countries all over the world.

**MARIUS POPA**Bestfoam's Owner

#### **OUR MISSION**

To promptly provide solutions and products for foaming & processing of flexible PU foam, acting under the motto:

BEST SOLUTIONS FOR ALL YOUR NEEDS.

#### **OUR VISION**

Be the Partner who advices you to choose the correct products, propose you the best solutions for your needs, at an unbeatable level of price, quality and delivery time.





#### **OUR VALUES**

#### COMMITMENT

**CUSTOMER ORIENTATION** 

**INTEGRITY** 

**COST MANAGEMENT** 

WIN-WIN

**COMMITMENT.** We keep our promises. We take responsibility for our actions.

**CUSTOMER ORIENTATION.** We treat our clients as we would like to be treated, and as they expect to be treated.

**INTEGRITY.** Act ethically and fairly in our daily work and our decisions.

**COST AWARENESS.** Keeping costs under control is key to having a healthy business and the best offer for our clients.

**WIN-WIN.** We create value for all of us, clients, suppliers, partners, our company.

## **OUR GROUP**





#### **BESTFOAM**

since 2010

Production of band knives for cutting machines, foam processing, mold foaming, distribution of equipment for foam industry.



#### **KA&MA TRADING**

since 2011

Production of sleeping articles:

mattresses, cushions, pillows, beds, and sofas.



### **PUR CHEMICALS SOLUTIONS**

since 2017

Distribution of chemicals and additives for production of flexible PU foam.



#### KOMFORT MOBELKOLLECTION

since 2020

Production of upholstery furniture: beds and sofas.



## **EQUIPMENT. APPLICATIONS**

## **EQUIPMENT**

#### FOAMING. REBONDING

Continuous foaming, batch foaming, mold foaming and rebond foaming equipment, from fully automatic to manual production, Chemicals, formulas, testing can be offered.

#### **FOAM CUTTING**

Horizontal, vertical foam cutting machines, from manual to automatic machines. Profile cutting, boring, peeling, jointing, and laminating machines.

#### **CNC CONTOUR CUTTING**

Horizontal and vertical CNC contour foam cutting machines. High efficiency CNC contour cutting lines can be built by matching the CNC machines for a complete production process.

#### **QUILTING & EMBROIDERY**

High-precision, high-speed computer shutleless multi-needle quilting machines and related supporting additional machines for mattress production.

#### **BAND KNIVES**

A large variety of profiles and sizes of band knives and wires are available for an equally wide range of foam cutting machines and applications.

### **APPLICATIONS**

#### PILLOW & CUSHION FILLING

This system is suitable for making cushions and pillows filled with a mixture of fiber, foam and feather. The line has high productivity, is easy to operate, can be automatic or manual.

#### **CNC CUTTING LINES**

To achieve multi-version cutting and high efficiency cutting can be possible by using a line of 2 CNC cutting machines, generally used in furniture and mattress industry.

#### **MATTRESS PRODUCTION**

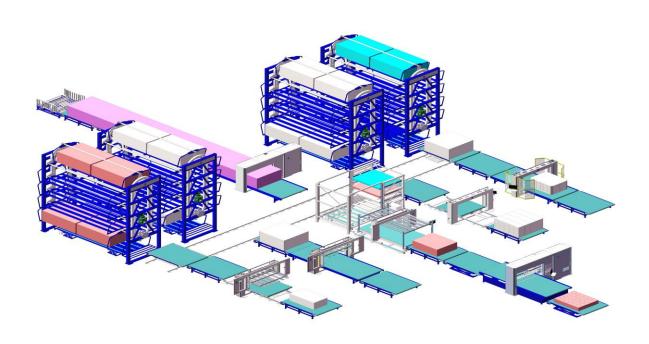
A mattress production line can be managed and controlled by a MES System, which can receive the production plan and send the task of production plan to each station.

#### SPRING PRODUCTION

Bonnel and pocket mattress springs production machines, automatic transfer equipment and production lines, of high efficiency and low rate of errors.

#### **WASTE MANAGEMENT**

Practically, there is no material that cannot be pressed for further reuse, for just saving space or for a better convenience to transportation.



### **OUR PARTNERS**



# NANTONG MUYE MACHINERY

An experienced machinery manufacturing enterprise focused on the development and production of various CNC contour cutting machines for foam cutting.





# HUAJIAN INTELLIGENT EQUIPMENT

With 30 years of experience, HuaJian invests 1mil Eur in innovation every year. Almost 1.000 mattress producers are using HuaJian machines.





### NAIGU MACHINERY

A leader in the mattress packaging industry, an innovative developer of new packaging methods, as a solution to optimize the transport.





### YUTENG MACHINERY

A modern, high-tech enterprise specialized in computerized multi-needle quilting, quilting & embroidery, cutting and rolling machines for mattress industry.



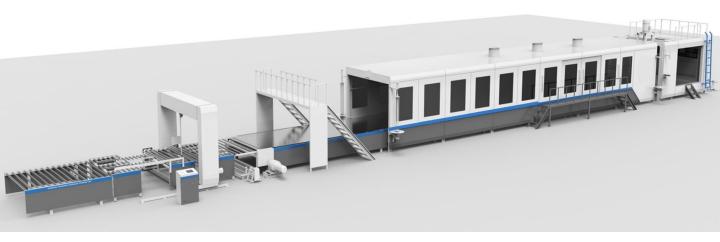


### XUTIAN XT PACK

Provides professional baling solutions, from vertical to horizontal and from manual to automatic, for all waste disposal systems and recycling centers.



## **CONTINUOUS FOAMING**



#### **PROCESS**

All the PU chemicals are first put together in a mixing chamber, and then taken into a metal trough and sprayer where the initial reaction takes place.

The rising foam then passes from the top of the trough to a variable width fall plate, which then leads the expanding foam block along a metal slat conveyor for further expansion.

#### **CONTROL**

The machine is equipped with PLC Digital Touch Screen System and can be controlled over the internet for optimized production costs.

The machine allows changing the formulation according to customer's request, without stopping the machine, and with no need for test flow.

The resistance degree can reach 3-5 international standards.

#### **APPLICATIONS**

The equipment is used for manufacturing soft PU products with densities between 8 and 70 kg/m<sup>3</sup>.

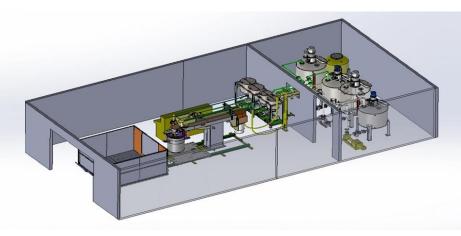
The materials can be then used in industries such as Upholstery, Mattresses, Packaging, Shoes, Cloths, Electricals and Automotive.

Over 200 different formulas of foam can be saved, adjusted and changed at any time.

| OUTPUT CAPACITY | kg/min | 200 - 350   | SIDE WALL SIZE   | mm | L18000*H1200     |
|-----------------|--------|-------------|------------------|----|------------------|
| MIXING SPEED    | rpm    | 2500 - 6000 | FALL PLATE       | mm | L7000*W1200-2400 |
| FOAMING SIZE    | mm     | W2300*H1200 | FOAMING PLATFORM | mm | L2000*W3000*H700 |
| CHEMICAL GROUPS |        | 13          | WALKWAY          | mm | L6000*W500       |
| MIXER POWER     | kW     | 37          | TOTAL POWER      | kW | 125 kW           |
| FOAMING DENSITY | kg/m3  | 8 - 70      | CONVEYOR LINE    | m  | 24               |
| NET WEIGHT      | to     | 25          | FLOOR SPACE      | m  | L48*W5*H4.5      |



## **BATCH FOAMING**



#### **BATCH FOAMING INSTALLATION**

With a mixing tank capacity of 180-250 I, the foaming installation is intended to mix 6 groups of chemicals, at a mixing speed of up to 2.800 rpm. The mixture can be then poured in square molds of size L2000\*W2000\*H1200m or in cylinder molds of size Diam2200\*H2200.

#### **AUTOMATIC FOAMING**

Intended to produce soft PU foam of densities up to 50 kg/m<sup>3</sup>. The materials can be used to manufacture beds, furniture and in all kinds of sponge factories.

The machine is equipped with PLC Digital Touch Screen System, 6 groups of chemicals are automatically controlled, and it is possible to have over 100 recipes saved.

#### **SEMI-AUTO FOAMING**

Foaming machine with pneumatic motion, it can be used with rectangular, cubic and cylindrical molds.

The speed of the mixer can be controlled electronically from the control panel. Small quantities of raw materials are put into the tank manually. The materials can be used to manufacture beds, furniture and in all kinds of sponge factories.

| MIXING CAPACITY | litri  | 180 - 250         | FOAM DENSITY | kg/m3 | 8 - 50     |
|-----------------|--------|-------------------|--------------|-------|------------|
| OUTPUT CAPACITY | blocks | 96 / day          | MIXER POWER  | kW    | 11         |
| MIXING SPEED    | rpm    | 2800              | TOTAL POWER  | kW    | 30         |
| BLOCK SIZE      | mm     | L2000*W2000*H1200 | NET WEIGHT   | to    | 6          |
| CILINDER SIZE   | mm     | DIA188*H2200      | FLOOR SPACE  | m     | L10*W10*H6 |
| CHEMICAL GROUPS |        | 6                 |              |       |            |



### **MOLD FOAMING**



#### **MOLD FOAMING**

Unlike slabstock foam, molded foams are usually produced in a discontinuous process. Foam molding is used to create products with intricate shapes such as seat cushions, paddings, head restraints, dampers, and construction materials.

This process involves pouring or injecting the components through a mixing head and into a preheated mold. The components react inside the mold causing the system to foam and rise.

The molded foam process can be further divided into the hot-molded foam process and the cold-molded foam process. As their name suggests, they are classified according to the mold temperature.

The hot-molded process involves conventional polyethers mixed with TDI. The cold-mold process, on the other hand, uses polymer systems prepared from polyethers and a blend of TDI and MDI, or 100% MDI. The faster reaction of MDI results in lower mold temperatures.

#### **EQUIPMENT**

**PROFILE**. The 2-component high-pressure injection equipment uses 2 tanks for raw materials: POLY for polyether polyol and ISO for isocyanate. It has two frequency conversion measuring units to control the flow output of the metering pump.

**HIGH PRESSURE INJECTION HEAD.** Built with South Korean DUT technology to produce a high-pressure self-cleaning linear mixing head using an adjustable needle nozzle.

The concept ensures the mixed effect of the raw material, respectively from two different collision directions, to ensure the appropriate proportions of components in the mixture.

**CONTROL**. Possibility to store 9 injection programs in manual mode and 99 programs in automatic mode. POLY/ISO raw material components are stored in tanks. Measurement accuracy is 0.5%.

| INJECTION VOLUME | g/s   | 60 - 650  | POLYOL POLYETER TANK | 1      | 300   |
|------------------|-------|-----------|----------------------|--------|-------|
| INJECTION TIME   | S     | 0.5 - 100 | ISOCYANATE TANK      | 1      | 300   |
| HYDRAULIC PUMP   | l/min | 10        | HEATING POWER        | kW     | 9     |
| ENGINE           | kW    | 5         | COOLING CAPACITATY   | kcal/h | 12000 |



## **REBOND FOAMING**



#### **SHREDDING**

The first step in the rebond foaming is to get shredded the foam flocks out of the trim foam. A knife shredding type machine is the suitable model for shredding various materials, such as: PU, PE, PVC, EVA, TPR, TPE, PP, PE.

#### **PROCESS**

Rebond foam is obtained using shredded recycled foams with scraps of other foams. The foam scraps are mixed with liquid polyurethane to bind them and then compressed into a block. It has an open cell structure and is known for its firm and durable properties.

The foam flakes coming out from the shredder are blown into the mixing drum where they are mixed with adhesive. The mixture is dropped into a standard size mold where it is hydraulically pressurized to become rebound foam. The process can be carried out without or with an additional steam system.

#### STEAM SYSTEM

It is possible to make rebond foam without or with using steam. The advantage of using a steam system is the increase of production. Moreover, if using a fully automatic machine, more benefits will come along: simple and easy operation, higher efficiency than normal type. The characteristics below show the superior performance of an automatic machine.

| MIXING TANK CAPACITY      | m³         | 10         | FOAMING DENSITY   | kg/m3 | 0 - 120           |
|---------------------------|------------|------------|-------------------|-------|-------------------|
| MIXING SPEED              | rpm        | 0 - 50     | 2 SQUARE MOLDS    | mm    | L2050*W1600*H1600 |
| OUTPUT w/o STEAM          | blocks/day | 2 - 3      | AUTO STORAGE TANK | mm    | Dia2000*H6000     |
| OUTPUT WITH STEAM         | blocks/day | 10 - 16    | BOILER CAPACITY   | T     | 200               |
| OUTPUT WITH STEAM<br>AUTO | blocks/day | 30 - 45    | NENT WEIGHT       | kg    | 8000              |
| TOTAL POWER (MIXER)       | kW         | 19,5 (5,5) | FLOOR SPACE       | mm    | L9000*W3600*H7500 |



## **CNC CONTOUR CUTTING**

# HORIZONTAL OSCILATING BLADE

This machine is suitable for cutting straight blocks, wave lines, irregular shapes and any 2-dimension and simple 3-dimension geometric profile, using the rotating table.

There can be cut materials like PU soft foam, sticky foam, rebond foam, polyethylene foam. The machine is ideal for getting done geometric profiles suitable for industries like Automotive, Packaging, Furniture, Buildings.

The machine is equipped in standard with modulator, automatic programming software, computer console, automatic adjusting of angle, absolute value of system.

# HORIZONTAL VERTICAL OSCILATING BLADE

The machine is intended for cutting any geometric shapes, small orders of foam production, where many complex shapes and sizes are required. The newly designed machine with new gear, new transmission, new electrical cabinet comes with improvements in performance, stability, synchronization and cutting precision. The machine is equipped in standard with independent press roller, modulator, automatic programming software, computer console, automatic adjusting of angle, absolute value of system.





|                   |       | HORIZONTAL                              |             | HORIZONTAL  |             | HORIZONTAL VERTICAL       |             |
|-------------------|-------|---|-------------|-------------|-------------|---------------------------|-------------|
| BLOCK SIZE        | mm    | L2200*W2200                             | L2300*W2300 | L3000*W2200 | L5000*W2300 | L3000*W2200               | L5000*W2300 |
| BLOCK HEIGHT      | mm    | H1200                                   | H1500       | H1250       | H1500       | H1250                     | H1500       |
| WORKTABLE         | mm    | Auto90 <sup>0</sup> Rotating (Conveyor) |             | Conveyor    |             | Conveyor                  |             |
| POWER             | kW    | 13                                      |             | 12          |             | 18                        |             |
| CUTTING PRECISION | mm    | 0                                       | .5          | 0.5         |             | 0.5                       |             |
| OSCILATING SPEED  | t/min | 30                                      | 000         | 3000        |             | 3000                      |             |
| CUTTING SPEED     | m/min | 15                                      |             | 15          |             | 15                        |             |
| BLADE SIZE        | mm    | 2420*                                   | *3*0.6      | 2420*3*0.6  |             | H1570*3*0.6 / V2530*3*0.6 |             |



# **CNC CONTOUR CUTTING**





#### HORIZONTAL CONTINUOUS BLADE

#### **VERTICAL CONTINUOUS BLADE**

Equipped with modulator, automatic programming software, computer console, automatic adjusting of angle, absolute value of system. Auto-sharpening system available as optional.

|                   |       | HORIZONTAL                              | HORIZONTAL        | VERTICAL          |
|-------------------|-------|---|-------------------|-------------------|
| BLOCK SIZE        | mm    | L2200*W2200*H1200                       | L3000*W2200*H1250 | L3000*W2200*H1250 |
| (OPTIONAL)        | mm    | L2300*W2300*H1500                       | L5000*W2300*H1500 | L5000*W2300*H1500 |
| WORKTABLE         | mm    | Auto90 <sup>0</sup> (Conveyor) Conveyor |                   | Conveyor          |
| POWER             | kW    | 1                                       | 5                 | 25                |
| CUTTING PRECISION | mm    | :                                       | 1                 | 0.5               |
| BLADE SPEED       | mm/s  | 1                                       | 15                |                   |
| CUTTING SPEED     | m/min | 3                                       | 60 / 80           |                   |





#### **HORIZONTAL WIRE BLADE**

The machine is equipped in standard with modulator, automatic programming software, computer console.

#### **HORIZONTAL SLICE CUTTING**

Equipped with modulator, automatic programming software, computer console, absolute value of system, automatic adjusting of angle, vacuum system.

|                   |       | HORIZONTAL WIRE   | HORIZONTAL WIRE   | HORIZONTAL SLICE CUTTING |
|-------------------|-------|-------------------|-------------------|--------------------------|
| BLOCK SIZE        | mm    | L3000*W2200*H1250 | L2200*W2200*H1200 | L3000*W2200*H1250        |
| (OPTIONAL)        | mm    | L5000*W2300*H1500 | L2300*W2300*H1500 | L5000*W2300*H1500        |
| WORKTABLE         | mm    | Conveyor          | Conveyor          | Conveyor                 |
| POWER             | kW    | 1                 | 5                 | 25                       |
| CUTTING PRECISION | mm    | 0                 | .5                | 0.5                      |
| BLADE SPEED       | mm/s  | 3                 | 15                |                          |
| CUTTING SPEED     | m/min | 1                 | 100               |                          |

### **VERTICAL FOAM CUTTING**

# SMALL VERTICAL CUTTING MACHINE

The machine is designed as a manual cutting type, with a manually sliding working table and 2 knife wheels. The working table is moved by hand and equipped with one movable vertical fence. The machine is intended for cutting PU quadrate foam blocks into slices and it can be used for cutting a large variety of materials like PU, PE, PVC as well as other soft and rigid materials. It is very easy to operate and maintain.

# MANUAL VERTICAL CUTTING MACHINE

The machine is designed as a manual cutting type, with a manually sliding working table and 4 knife wheels. The working table is moved by hand and equipped with one movable vertical fence. The machine is intended for cutting PU quadrate foam blocks into slices and it can be used for cutting a large variety of materials like PU, PE, PVC as well as other soft and rigid materials. It is very easy to operate and maintain.



|                      |    | SMALL MANUAL   | MANUAL         | MANUAL         |
|----------------------|----|----------------|----------------|----------------|
| INNER WORKTABLE SIZE | mm | 400*1000       | 1200*2290      | 1720*2290      |
| OUTER WORKTABLE SIZE | mm | 1000*1000      | 1320*2290      | 2000*2290      |
| CUTTING HEIGHT       | mm | 600            | 1200           | 1200 (1350)    |
| CUTTING THICKNESS    | mm |                | 2 and Up       |                |
| ENGINE POWER         | kW |                | 1,34           |                |
| NET WEIGHT           | kg | 800            | 1150           | 125            |
| FLOOR SPACE          | mm | 1600*1600*2150 | 4500*3500*2400 | 5200*4500*2400 |



# MANUAL, SEMI AUTOMATIC, AUTOMATIC



# SEMI-AUTO VERTICAL CUTTING MACHINE

The machine is designed as a semi automatic cutting type, with a manually sliding working table and 4 knife wheels. The working table is moved by hand and equipped with one movable vertical fence. Both knife guide and baffle are electrically controlled. The machine is intended for vertical cutting of foam blocks or synchronously cutting of all kinds of EVA and Pearl Rubber. The machine adopts inverter timing control system, it has a high level of automatization, the cutting is accurate. It is easy to operate and maintain.

# AUTOMATIC VERTICAL CUTTING MACHINE

The machine is designed as an automatic cutting type, PLC programmed, with a stationary working table and 4 knife wheels. The foam blocks are placed between 2 slide fences. The cutter is driven by metal band and moved reciprocating along the track. The machine is intended for vertical cutting of foam blocks or synchronously cutting of all kinds of EVA and Pearl Rubber. The machine adopts inverter timing control system, it has a high level of automatization, the cutting is accurate. It is easy to operate and maintain.

|                      |       | SEMI-AUTO      | SEMIAUTO            | FULLY AUTO     |
|----------------------|-------|----------------|---------------------|----------------|
| INNER WORKTABLE SIZE | mm    | 1200*2290      | 1200*2290 1720*2290 |                |
| OUTER WORKTABLE SIZE | mm    | 1320*2290      | 2000*2290           | 2150*2440      |
| CUTTING HEIGHT       | mm    |                |                     |                |
| CUTTING THICKNESS    | mm    | 2 an           | 3 and Up            |                |
| CUTTING SPEED        | m/min | ma             | nual                | 0 - 30         |
| ENGINE POWER         | kW    | 1,             | 45                  | 1,72           |
| NET WEIGHT           | kg    | 1250           | 1350                | 2200           |
| FLOOR SPACE          | mm    | 4500*3500*2400 | 5200*4500*2400      | 5700*3700*2400 |



### HORIZONTAL FOAM CUTTING

#### **HORIZONTAL CUTTING**

PRESS ROLLER + (VACUUM SYSTEM)

The machine is designed as a fully automatic machine for cutting and stacking of flexible foam and open-cell PVC foam. There is no need for the cut-off slices to be taken away from the working table after each cutting.

Depending upon cutting thickness and foam density, one can use the press roller and vacuum system (as optional), that are good for high thickness sheets cutting for foam mattresses. The cutting angle of the knife guidance can be adjusted between  $0^{\rm o}$  and  $5^{\rm o}$ .



#### **HORIZONTAL CUTTING**

PRESS ROLLER + CONVEYOR BELT + VACUUM

The machine is designed as a fully automatic machine, equipped in standard with conveyor belt, press roller, and heavy-duty vacuum system, intended for high precision cutting of sheets from foam blocks. Capable to make each cutting more smoothly, with low noise and more stable running. The machine is equipped and controlled via an intuitive fully automatic touch screen.

The cutting angle of the knife guidance can be adjusted between  $0^{\circ}$  and  $5^{\circ}$ .



|                   | _     | MEDICAL+VACUUM SYSTEM | PRESS ROLLER+VACUUM<br>(OPTIONAL) |                | CONVEYER BELT+PRESS<br>ROLLER+VACUUM |                |
|-------------------|-------|-----------------------|-----------------------------------|----------------|--------------------------------------|----------------|
| CUTTING SIZE      | mm    | W1000*L1000           | W1650*L2000 W2150*L3000           |                | W1650*L2000                          | W2150*L3000    |
| CUTTING HEIGHT    | mm    | 500                   | 1200                              |                | 1200                                 |                |
| CUTTING THICKNESS | mm    | 2 up to 30            | 2 Up                              |                | 2 Up                                 |                |
| CUTTING SPEED     | m/min | 0 - 50                | 0 -                               | 50             | 0 - 30                               |                |
| ENGINE POWER      | kW    | 8.24                  | 8.12 /                            | 15.32          | 11.7                                 |                |
| NET WEIGHT        | kg    | 1200                  | 2100 / 2300                       |                | 2800 ,                               | / 3100         |
| FLOOR SPACE       | mm    | 1900*3000*2000        | 5800*3600*2400                    | 7800*4500*2400 | 5000*4000*2400                       | 7000*4500*2400 |



# FLEXIBLE / REBOND / RIGID FOAM

# AUTOMATIC HORIZONTAL REBOND FOAM CUTTING MACHINE

PRESS ROLLER + (VACUUM SYSTEM)

The machine is designed as a fully automatic machine for cutting rebond foam. The machine is equipped with press roller and there is also a vacuum system available as optional. The machine is equipped and controlled via an intuitive fully automatic touch screen. The cutting angle of the knife guidance can be adjusted between  $0^{\circ}$  and  $5^{\circ}$ .



## AUTOMATIC HORIZONTAL PHENOLIC/RIGID FOAM CUTTING MACHINE

PRESS ROLLER + VACUUM SYSTEM

The machine is designed as a fully automatic machine for cutting phenolic/rigid foam. The machine is equipped with press roller and a vacuum system in the standard configuration. The machine is equipped and controlled via an intuitive fully automatic touch screen.

The cutting angle of the knife guidance can be adjusted between 0° and 5°.

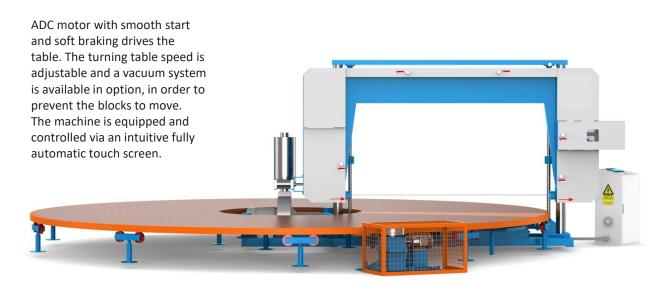
|                   |       | PRESS ROLLER+VACUUM<br>(OPTIONAL) |                | PRESS ROLLER+VACUUM |
|-------------------|-------|-----------------------------------|----------------|---------------------|
| CUTTING SIZE      | mm    | W1650*L2000                       | W2150*L3000    | W1650*L3000         |
| CUTTING HEIGHT    | mm    | 1200                              |                | 1200                |
| CUTTING THICKNESS | mm    | 3 Up                              |                | 2 up to 25          |
| CUTTING SPEED     | m/min | 0 -                               | 25             | 0 - 12              |
| ENGINE POWER      | kW    | 8.9                               | 92             | 21                  |
| NET WEIGHT        | kg    | 2100 / 2300                       |                | 2800                |
| FLOOR SPACE       | mm    | 5800*3700*2400                    | 7800*4500*2400 | 7800*4500*2400      |



## **CIRCULAR FOAM CUTTING**

#### **CIRCULAR FOAM CUTTING MACHINE**

This machine eliminates the reciprocating action and reverse movement of a horizontal cutting machine. The cutting thickness can be preset from the Control Box in steps of 1/100mm. The cutting angle of the knife guidance can be adjusted in the range of  $0^{0}$ - $5^{0}$ .



| CUTTING FOAM SIZE | mm  | 1500*2000 (4pcs) | 1500*2000 (6pcs) | 1500*2000 (8pcs) |  |  |
|-------------------|-----|------------------|------------------|------------------|--|--|
| CUTTING FOAM SIZE | mm  |                  | 2150*3000 (3pcs) | 2150*4500 (3pcs) |  |  |
| CUTTING HEIGHT    | mm  |                  | 1200             |                  |  |  |
| CUTTING THICKNESS | mm  |                  | 2 Up             |                  |  |  |
| CUTTING SPEED     | rpm |                  | 0 - 3.5          |                  |  |  |
| WORKTABLE SIZE    | mm  | Dia 6000         | Dia 7300         | Dia 10500        |  |  |
| ENGINE POWER      | Kw  | 8.               | 92               | 11.92            |  |  |
| NET WEIGHT        | kg  | 3300             | 4500             |                  |  |  |
| FLOOR SPACE       | mm  | 7500*60          | 11500*11000*2400 |                  |  |  |



## HORIZONTAL FOAM CUTTING







# FOAM LONG SHEET CUTTER

The machine is designed as a fully automatic machine for cutting long sheets from foam blocks. The machine is equipped with press roller and electric side cutters (optional). The machine is fully automatic PLC controlled.

# FOAM BLOCK CUTTER

The machine is used as integral part of continuous foaming process, and it comes in 2 variants of cutting type: cross type with oscillating blade or continuous blade (optional) and up/down type with continuous blade.

# MULTICUTTER TYPE MACHINE

The machine is equipped with multiple cutting tools, and it can be placed right after a continuous foaming machine. It is used mainly in the mass production of mattresses, with the benefit of high efficiency and less manpower.

|                   |       | LONG SHEET CUTTER |             | BLOCK CUTTER   | MULTICUTTER    |  |
|-------------------|-------|-------------------|-------------|----------------|----------------|--|
| CUTTING FOAM SIZE | mm    | W1650 W2150       |             | W2400          | 2100*2100      |  |
| CUTTING HEIGHT    | mm    | 1200              | 0mm         | 1300           | 800            |  |
| CUTTING THICKNESS | mm    | 21                | Up          |                | 50 - 180       |  |
| CUTTING SPEED     | m/min | 0 -               | 60          | 0 - 20         | 2              |  |
| ENGINE POWER      | kW    | 6.5               | 6.99 3.7    |                | 25             |  |
| NET WEIGHT        | kg    | 1600              | 1800        | 1800           | 800            |  |
| FLOOR SPACE       | mm    | W2600*H2400       | W2800*H2400 | 6000*4400*4000 | 3000*4000*2500 |  |



### **BORING. PEELING. SHEET JOINTING**



#### **PEELING**

The machine is designed for peeling round foam blocks into continuous long foam sheet. The foam sheet can further go either directly to the market or to a laminating machine or to a quilting machine. This machine can thus be matched either with a laminating machine or with a quilting machine. The technique of the machine is high, and it is equipped and controlled by PLC Control System. The cutting precision is very good.



#### SHEET JOINTING MACHINE

Suitable for rejoining the broken foam sheets, so that any endless length joint to be feasible according to customer demand. Usually, it works together with a winding & metering machine.

#### WINDING & METERING MACHINE

Suitable for winding up of foam long sheets and metering nominated length into rolls. It can be used for obtaining various materials like PVC, EVA, plastics, PE. The finished rolls can be stocked for further laminating or any other use.

#### **BORING**

This machine is intended for boring the central holes of round foam blocks, so that later the blocks can be peeled.

The machine comes in association with a peeling machine. There are 2 constructive variants:

**HORIZONTAL BORING** - with manual or electric punching block

**VERTICAL BORING** - vertical boring and horizontal top cutting.



## LAMINATING. PROFILING



#### FOAM LAMINATING. GLUING TYPE

This machine adopts gluing laminating type which is used for laminating different combinations of materials like: foam sheets & non-woven fabric, foam sheets and PVC sheets, PVC sheets & non-woven fabric, etc.

#### FOAM LAMINATING. FLAME TYPE

This machine adopts flame laminating type which is used for laminating different combinations of materials like: foam sheets & non-woven fabric, foam sheets and PVC sheets, PVC sheets & non-woven fabric, etc.

| PROFILING FOAM SIZE | mm    | W1650          | W2150          |  |  |  |  |
|---------------------|-------|----------------|----------------|--|--|--|--|
| PROFILING DEPTH     | mm    | 30             |                |  |  |  |  |
| CUTTING SPEED       | m/min | 0 - 30         |                |  |  |  |  |
| ROLLER SPEED        | rpm   | 0 - 30         |                |  |  |  |  |
| ENGINE POWER        | kW    | 9.94           |                |  |  |  |  |
| BLADE KNIFE SIZE    | mm    | 8190*50*0.56   | 9190*50*0.56   |  |  |  |  |
| NET WEIGHT          | kg    | 2100           | 2300           |  |  |  |  |
| FLOOR SPACE         | mm    | 4300*1250*1500 | 4500*1300*1500 |  |  |  |  |



#### **PROFILING**

This machine can cut foam into concave and convex shape of foam, which is suitable for mattress production, packaging and cushions.

Profiling machine are primarily intended for the profiling of sheets and mattress cores made from flexible materials.

### **CNC CUTTING LINES**

#### **CNC CUTTING MACHINE LINES**

To produce different shape types of foam products requires to use different equipment to complete the cutting process. To achieve multi-version cutting can be possible by using a line of 2 CNC cutting machines.

The CNC cutting lines are mainly used in sofa industry where you might need to cut regular and irregular shapes from the foam block or foam sheets.

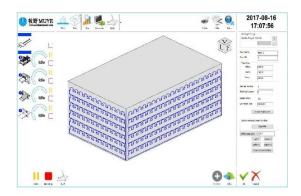
# CNC EFFICIENT HORIZONTAL CONTINUOUS BLADE CNC EFFICIENT VERTICAL CONTINUOUS BLADE





# CNC HORIZONTAL SLICE CUTTING MACHINE CNC EFFICIENT VERTICAL CONTINUOUS BLADE





#### **OPERATING SOFTWARE**

The cutting software is functionally powerful, easy to use and easy to control.

**3D Graphics Display** makes it possible to better understand the product shape directly. **Nesting Software** provides the calculation of

the optimized path for best quality cutting. **Drawing Software** can draw precise patterns and can read other common drawing software.

# **FULLY AUTOMATIC LINES CUTTING**



#### **FULLY AUTOMATICALLY CUTTING SOLUTIONS**

There are possible different matches of machines to form configurations of automatic machine lines the most suitable for a specific application. The automatic lines come with high precision and high efficiency. In addition, by substitution of the labor force with the machines, an important saving of labor costs comes as a benefit.



### **BONNELL SPRING LINE**

# SX100T BONNELL TRANSFER LINE

**Speed**: max 90 springs/min **Spring Height**: 100-200 mm

Diameter: 65-72 mm, 75-90 mm, 82-92 mm

Width: max 2000 mm

Europ control system: : 2\*CPU Control

+ high-sensitive touch screen.

### SX100T ADVANTAGES

It operates like 2 machines in one. The springs are assembled face to face. The transfer arm is controlled by a separate servo motor.

Fully digital coiling head.

**Automatic control**: wire feeding length, heat treatment, lubrication and self-protecting.



# SX100 SPRING COILING MACHINE

**Speed**: 90-95 springs/min **Spring Height**: 70-190 mm

Spring Steel Wire Gauge: 1,8-2,4 mm

**Diameter**: 65-95 mm **Convolutions:** 4-7

# SX200S SPRING ASSEMBLING MACHINE

**Speed**: 80 sheets / 8h (1800-2000mm)

Spring Height: 70-190 mm

Spring Steel Wire Gauge: 1,8-2,4 mm

Diameter: 65-95 mm

Helical Wire Gauge Diameter: 1,3-1,5 mm





**SX100** can be used for mass production of springs, or can work in tandem with an assembling machine **SX200S** for production of mattress spring frames.

### **POCKET SPRING LINE**

# SX120 POCKET SPRING PRODUCTION MACHINE

**Spring Type:** Barrel or Cylindrical **Speed**: 110 springs/min (stable running)

Spring Diam: 37-75 mm

Standard Pocket Height: 55-240 mm

Width: max. 2000mm

#### **QUALITY**

Smart system for changing the spring size. Coil head with gear transmission for stable and reliable product quality.

Fabric Corrective System for exact packing and 10% less break-down due to the fabric.

Light welding mold for less spring clamping and 1

kWh less consumption.

# SX300 POCKET SPRING ASSEMBLING LINE

Capacity: 300-400 springs/min

Speed: 12-14 rows Width: 2200 mm

Pocket Height: 55-240 mm

The machine can use three different stiffness springs, hive-type, partition spring bed core, cloth

can be wrapped up and down.

The machine can do at the same time 2\*1.1m width of bed core, for an improved efficiency.

### **QUALITY**

Each row can be separately controlled. The machine eliminate the defective springs. Can save 39 types unit sizes. 8 kinds of spray mode for saving costs.





## SX120 + SX300 PRODUCTION LINE LAYOUT

The configuration of the spring production line is dictated by the customer's needs and requirements.

The assembling machine can be associated with 2 or 3 wire coilers and the layout is flexible depending on the space available.

#### SX200 + SX700

When large production is required, a larger assembling machine SX-700 can be used:

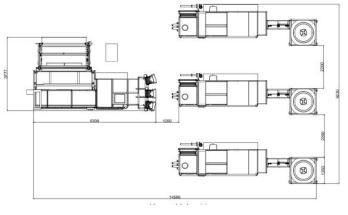
Capacity: 700 springs/min

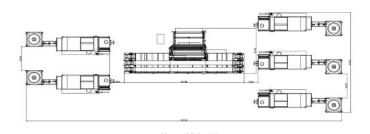
Speed: 34 rows Width: 2300 mm

Pocket Height: 55-240 mm

The assembling machine can be matched with the machine SX300 in a layout

consisting of 5 wire coilers.





### **CUSHION & PILLOW LINE**

# PILLOW & CUSHION PRODUCTION LINE

This system is suitable for making cushions and pillows filled with a mixture of fiber, foam and feather. The line has high productivity, and it is easy to operate. Smooth process from fiber opening, mixing with other materials, to the filling process without jamming. Different configurations of the pillow & cushion production line can be possible, depending on customer's request and needs. Configuration can vary from with or without shredder and filling can be done with one or two working stations.





Basically, a pillow/cushion filling line consists of the following components:

Fiber Opener – opens the fiber

Foam Shredder – shredding the scrap

**T-Joint** – mixing the fiber with foam flocks

**Blower** – feeds the mixer with raw material

Mixer – for mixing the materials

**Filling machine** – blows the filler into the pillow. You can have one or multiple filling machines, depending on desired productivity.

Worktable – support for filling operation. To ensure the equal and uniform filling of pillow the worktables are equipped with weighing systems. Vacuum system for filling pillows/cushions is using the sucking filling method instead of blowing filling method. The fresh opened fiber is sucked inside the pillow/cushion case.



## **CUSHION & PILLOW LINE**



#### **FOAM CUTTING MACHINE**

Ideal for the recycling of foam to make rebound foam or filling materials to create a uniform shape of the foam filled articles, according to customer wish. Suitable for cutting into regular pieces materials like foam, foam with fabric. No dust when cutting and the size of the production is adjustable.



# FIBER FILLING MACHINE

Ideal for filling materials like fiber, foam shreds, wool. Equipped with foot-valve, easy to operate. One can use 2/3/4 inch filling pipe, on request.



### MATERIAL BLOWER

The materials coming from fiber opener and shredder need to be blown into the mixer, for mixing the materials that will then fill the pillows.



#### FIBER OPENING MACHINE

Suitable for the opening of all kinds of short fibers (less then 100 mm in length) such as cotton, polyester, wool, fleece waste, with remarkable fluffy effects. Compact structure, high power, high productivity, long working life, low cost of maintenance. Equipped with metal detector and safety devices both for the machine and operators.



### MATERIAL MIXER

The mixed materials are kept rotating by a fast-moving stirring device to ensure uniform suction and unblocked filling process.



## **QUILTING MACHINE**

#### **COMPUTERIZED CHAIN STITCH MULTI-NEEDLE QUILTING**

They are high precision automatic machines equipped with servomotors and intelligent systems to help improving the productivity. Optional materials and equipment are available to make personalized machines according to the customer's ideas and needs. Qualified materials and protective structures are selected to protect the operator and the equipment while running.

**PURPOSE:** used to produce high-grade mattress fabrics, mattress panel, mattress pads, bedding, wind proof quilts, carpets, cushions, blankets, seats covers, home decoration.

**DESIGN.** Rigid body, balanced and fast running, high precision, low jumper rate, beautiful stitch.

Durable aluminum alloy needle bar and pressing plate, no lubrication, no dirt material.

Advanced hook thread trimming reduces the jumping rate and makes quality more stable.

Servo motor driven spindle can change the speed and rotate in BOTH directions.

Powerful pattern combination and unlimited step function can quilt different patterns in each line.



### CONTROL

**360**° **random quilting** and unlimited pattern step function, automatic thread cutting.

**Self developed quilting system** compatible with DST files easy to understand and use.

Automatic stop and Infrared safety protection.

#### **HIGH-SPEED MODELS**

Differences in configuration:
Appearance (shell) / Back door / Servomotor



#### **ULTRA HIGH-SPEED MODEL**

Knives equipment



|                       |     | HIGH SPEED     | HIGH SPEED     | ULTRA HIGH SPEED |  |
|-----------------------|-----|----------------|----------------|------------------|--|
| DIMENSIONS L*W*H      | mm  | 5050*1600*2300 | 5050*1600*2300 | 5200*1600*2300   |  |
| QUILTING WIDTH        | mm  | 2450 2450      |                | 2450             |  |
| QUILTING THICKNESS    | mm  | 80             | 80             | 80               |  |
| QUILTING SPEED        | rpm | 1000           | 1200           | 1400             |  |
| PRODUCTION SPEED      | m/h | 60-230 60-230  |                | 110-330          |  |
| NUMBER OF NEEDLE ROWS |     | 3              | 3              | 3                |  |
| NEEDLE PITCH          | mm  | 25.4           | 25.4           | 25.4 / 12.7      |  |
| NEEDLE STEP           | mm  | 12             | 12             | 12               |  |

# **QUILTING MACHINE**

# COMPUTERIZED LOCK STITCH MULTI-NEEDLE QUILTING

**PURPOSE.** The machine can be used to produce clothes, bedding, textiles, leather, shoes, hats, gloves, bags, sleeping bags, handbags, sofa cushions, wall decorations.

**DESIGN.** Durable aluminum alloy needle bar, no lubrication, no dirt material.

Rigid body, balanced and fast running, high precision, low wire break rate, easy operation. Servo driver for the saddle and roller. Frequency conversion control for the spindle 360° random quilting and unlimited pattern step quilting.

Automatic stop and Infrared safety protection.



| DIMENSIONS L*W*H      | mm       | 3800*1200*1800 |       | 4000*1200*1800 |       | 4900*1200*1800 |       | 5700*1200*1800 |       |
|-----------------------|----------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| QUILTING WIDTH        | mm       | 1650 193       |       | 1930           |       | 2450           |       | 3300           |       |
| QUILTING THICKNESS    | mm       | nm 25          |       |                |       |                |       |                |       |
| NUMBER OF NEEDLE ROWS |          | 2              | 3     | 2              | 3     | 2              | 3     | 2              | 3     |
| SPACE BETWEEN NEEDLE  | mm       | 25.4           |       |                |       |                |       |                |       |
| X STROKE              | mm       | 203.2          | 304.8 | 203.2          | 304.8 | 254            | 304.8 | 254            | 304.8 |
| STITCH LENGTH         | mm 2 - 6 |                |       |                |       |                |       |                |       |
| QUILTING SPEED        | rpm      | rpm 300 - 800  |       |                |       |                |       |                |       |
| PRODUCTION SPEED      | m/h      | 20-120         |       |                |       |                |       |                |       |

# COMPUTERIZED MULTI-NEEDLE QUILTING & EMBROIDERY

**PURPOSE.** It is widely used for sewing clothes, textiles, handbags, tablecloths, bedding, gloves, seat covers and indoor decorations.

| DIMENSIONS L*W*H     | mm  | 5    | 5300*1450*2100 |    |  |  |  |  |
|----------------------|-----|------|----------------|----|--|--|--|--|
| QUILTING WIDTH       | mm  |      | 3300           |    |  |  |  |  |
| NEEDLE / HEAD        |     |      | 2              |    |  |  |  |  |
| HEADS                |     | 33   | 22             | 33 |  |  |  |  |
| SPACE BETWEEN NEEDLE | mm  | 50.8 | 50.8 67.5 76.2 |    |  |  |  |  |
| X STROKE             | mm  |      | 250            |    |  |  |  |  |
| STITCH LENGTH        | mm  |      | 12.7           |    |  |  |  |  |
| QUILTING SPEED       | rpm |      | 600 - 900      |    |  |  |  |  |



### **MATTRESS PRODUCTION LINE**

#### MATTRESS COMPRESSING

Used for compressing foam and spring mattress, also the pet cushion. It uses PE film and kraft paper as cover (if only compress packing).

Usually used in tandem with a rolling machine.

#### **MATTRESS ROLLING**

Used for roll packing foam and latex mattress. Rolling diameter according to mattress size. It can not be used in spring mattress rolling.

It can directly roll packing without compressing under 28 cm.

The machines can be used in tandem, forming a semi-automatic line or separately.



# AUTOMATIC COMPRESSION AND ROLL PACKAGING

Diameter can vary between 200-450 mm. It is an automatic machine, equipped with Siemens PLC control system and electrical components with stable performance.





# COMPRESSING FOLD ROLLING

After compression, the mattress can be fold to half and be rolled afterwards to minimize the shipping, storage and operation costs with the result of higher profit and competitiveness. The diameter can vary between 220-480 mm.

## **MATTRESS PRODUCTION LINE**



#### **MES CENTRAL SYSTEM**

Build up a mattress production line management and control system, which can receive the production plan of MES system (including BOM, formula parameters, bar code printing template, etc, and send the task of production plan to each station equipment for production.

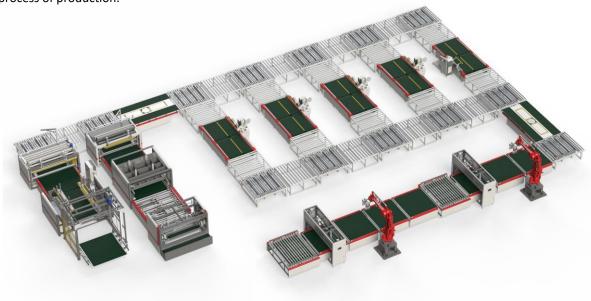
The production control system also needs to have the functions of error and stupidity prevention of feeding, inventory management of line station, production progress feedback and monitoring the production line in the process of production.

#### **ERP SYSTEM**

ERP is an enterprise information management that integrates material resources, capital resources and information resources for the manufacturing industry.

ERP is an enterprise management software with management accounting as the core, which can provide real-time information across regions, departments, and even companies.

It is an integrated enterprise management software for material resource management (logistics), human resource management (people flow), financial resource management (financial flow), and information resource management (information flow).



### **WASTE MANAGEMENT**



# MANUAL STRAPPING VERTICAL PRESS

Manual baling press macines are tipically topdown stroke, they are loaded from the front, with manual strapping.

However, don't let the word manual leads you to doubt its efficiency, because all these baling machines are ellectrically controlled for easy operation, and by simply operating on a button or switch, the machine can fulfill the entire baling cycle automatically.

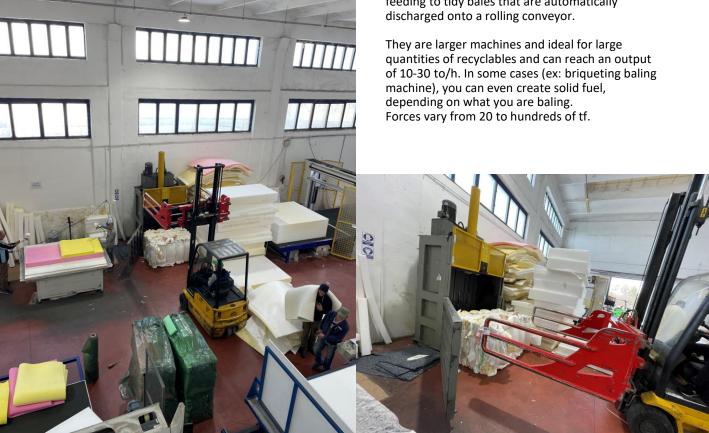
Vertical presses can be single ram or dual ram baling press machines, with compressing forces from 10 to 200 tf.

More rams and force allow you to bale harder/larger/stronger materials.

# FULL AUTOMATIC HORIZONTAL PRESS

Automatic baling press machines are tipically loaded from the top.

They can work in association with any skid loader or in-feed conveyor, or air-blown system, in order to achieve full automation from the material feeding to tidy bales that are automatically discharged onto a rolling conveyor.



### **BALER MACHINES**



#### **APPLICATIONS**

**FOAM/NON-WOVEN FABRIC**. Recycling foam and textile can be done with multi-purpose baler presses that are versatile enough to handle this and other waste materials.

**CARDBOARD/PAPER.** It is the most common waste in our life. Since its recycling value is very high, it can be reused as raw material or fuel in different industries.

**PET BOTTLES/ALUMINIUM CANS.** Not only for the purpose of reuse, but also for saving space, the recipients from PET or Aluminium are pressed for convenient stockage and transportation.

**SOFT/HARD PLASTIC**. Whether soft or hard, the plastic is all around us. By pressing it, one can save space to transportation and use it as raw material for different industries.

**NATURAL FIBER**. Since it is very fluffy, it is an ideal choice to press it using vertical or horizontal presses to gain some space and for convenience in transportation.

**CLOTHES/COTTON/WOOL**. It can be used for second-hand clothes strapping. The balers with lifting chamber are the most suitable for pressing textiles.

**TIRES**. All kind of used tyres coming from cars, busses, trucks can be pressed with specially designed rubber presses.

**URBAN WASTE**. With the rapid economic growth, the urban waste is present in every city. We need to take advantage of the reuse of it from both economically and environmentally perspective.



### **BAND KNIVES – MADE BY BESTFOAM**

# THE RIGHT BLADE FOR THE RIGHT JOB

Suitable for a large number of types and brands of machines, and applications to be used for.

#### **HIGH QUALITY**

Our band knives are manufactured in Romania using high quality steel and high technology for welding and sharpening.

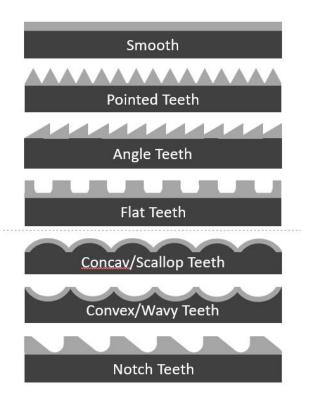
#### **AVAILABILITY**

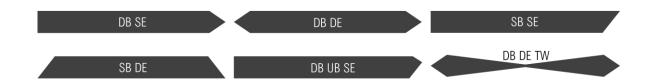
We export in more than 65 countries, thanks to our high quality, quick delivery and ease of export/import operations.

# A LARGE VARIETY OF APPLICATIONS

Every blade is taillored to fit your specific needs and applications:

Buldings, construction, sports, upholstery, bedding, packaging, medicals, automotive.



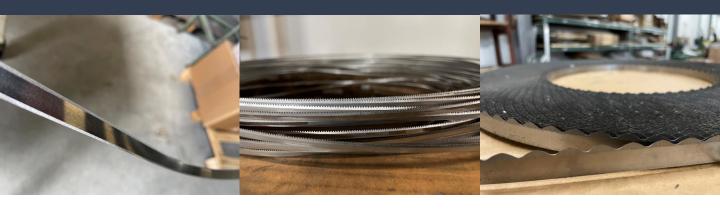


DB double bevel DE double edge UB uneven bevel WD welded TD serated

SB single bevel SE single edge TW twisted nonWD continuous TDI teeth/inch



## **APPLICATIONS**



# A LARGE VARIETY OF PROFILES AND SIZES

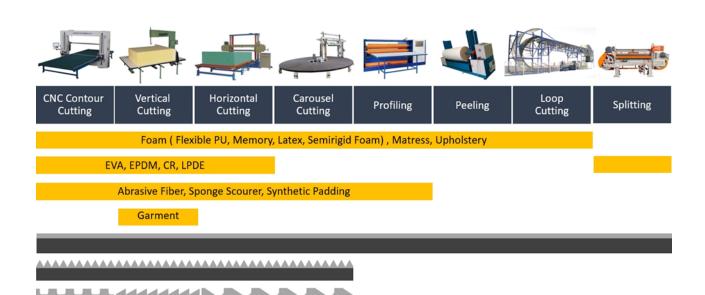
A large variety of profiles and dimensions are available for an equally as wide range of machines and applications.

# WITH OUR KNIVES YOU CAN CUT

Foam (Flexible PU, Memory, Latex, Semirigid Foam), paper, plastic, cloth, leather, EVA, LPDE, CR, EPDM

# A WIDE RANGE OF FOAM MACHINES

CNC contour, horizontal/vertical cutting, carousel cutting, profile cutting, peeling, looper cutting.





### **FOAM PROCESSING**

#### **FOAM CUTTING**

Precision foam cutting is an essential process in various industries, including sofas, mattresses, packaging, and furniture manufacturing. It involves the careful and accurate shaping of foam materials to create customized products.

Using our high precision cutting machines, vertical, horizontal, carousel and CNC, we are able to cut complex profiles. We process foam, for many applications across different industries.

#### **MOLD FOAMING**

The foam molding process consists of mixing two parts together giving a chemical reaction after dispensing into a mold. The material increases in size until the mold vacuum is completed.

When the foam has hardened and cured, it is separated from the mold and the process is started again. Materials are then controlled for density, hardness, tear strength, fire retardant properties, UV stability.

The key points of the PU molding are the tool design, filling points, material control, trimming and storage of finished products before inspection and dispatch to the customer.

We are able to deliver quality products on time that meet and exceed our customer's requirements.

#### **PU TRIM FOAM IN BALES**

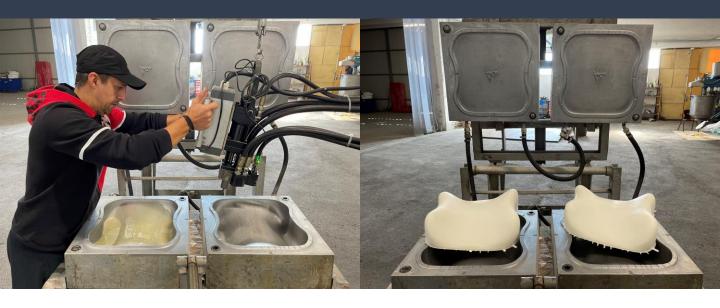
Mostly used for making rebond foam, to improve the hardness of the end products in upholstery, mattresses, sports padding, but also for making shredded foam, as a filler for pillows, toys, or for being used as is in applications, from furniture to automotive.

PU Trim Foam is typically produced in furniture factories, using foam as part of the manufacturing process.

One can be found in grade A (no flat, bottom or sides) or grade B (flat, bottom, sides)
Density: 15-50 kg/m3, Color: mixed
Compressed bales 250-450 kg/bale.
Containers: 40' container around 18to.



## **APPLICATIONS**



# TECHNOLOGY • INNOVATION • DEVELOPMENT WE CREATE, DEVELOP AND FABRICATE FOAM PRODUCTS

#### **FURNITURE**

We supply foam products obtained after cutting operations like vertical, horizontal, or CNC contour cutting.

They are intended for the submarkets within the furniture Industry: bedding, mattresses, upholstery, garden furniture, office furniture.

Processing materials like flexible PU foam, memory foam and high resilience foam, into an infinite combinations of density, shapes and sizes, is our core business and our specialty.

We are currently working with large sofas companies to develop and supply different foam items for making sofas, tables, beds, dressers, and desks that make rooms ready for use.

#### TECHNICAL

The technical foam market covers numerous segments from medicals to packaging.

Technical products represent a broad category, where our experience and practice meet your most exigent requirements.

With customers in automotive, medicals and packaging, Bestfoam becomes day by day truly technical.

Our customer data base ranges from the small one-man business to large multinational companies and covers many market sectors.

With our capabilities of cutting vertical, horizontal or contour lines, we can obtain shapes from simple to complex, for many applications.

#### **CONSUMER**

From home products to juvenile articles, there are a lot of products that we can help you create, develop and produce.

Our flexibility in production allow us to approach projects whether in small series, or in mass production.

We act as a full-service consumer products foam fabricator, being capable to serve OEMs worldwide with flexible foam solutions from concept though completed, assembled, packaged consumer products foam products – or anywhere in between.

With us, you can achieve measurable cost savings while meeting all your requirements.

### **CHEMICALS**

#### TDI AND POLYOLS

When combining polyether polyols with TDI – toluene diisocyanate, one can be used in urethane applications, such as flexible foam, in coatings, adhesives, sealants and elastomer systems. As a result, one can be used in a large variety of goods, including furniture, car seatings, bedding, paints and coatings, artificial sport tracks, playground surfaces, ski suits, and other waterproof wear.



#### **MDI**

MDI - methylene diphenyl diisocyanate is a very versatile molecule that delivers different performance properties for a variety of applications.

Primary use for MDI, related to foam industry, is the fabrication of rebond foam. The foam flocks coming from the shredder are blown into the mixing drum, where stirred and mixed with MDI. With or without use of water, the adhesive enables the foam flakes to stick together.

#### **HOTMELT ADHESIVES**

APAO – mainly used to bond fabrics to foam in the mattresses.

EVA – has very fast open time, mainly used for automatic machines for bonding pocket springs, PSA – known as pressure sensitive adhesive, it remains always open, it means always sticky, can be good or bad, depending on the applications. Whereas in mattresses industry is not recommended because of making noise, it can be used sometimes in sofa industry.

#### **ADDITIVES**

Even though they come only in small quantities in the composition of foam, besides TDI and polyols, the importance of these agents cannot be neglected.

Apart from water, that can be considered an additive in the reaction of TDI and polyols, other additives can be added as agents, depending on the final needs and use: colorants, anti-oxidants, stabilizers, flame retardant agent.

#### **RELEASE AGENTS**

The role of a release agent is to prevent other materials from bonding to surfaces.

In foam industry, when talking about mold foaming, the material is the foam, the surface is the interior of the mold, and the release agent comes as a solution to release the material from the mold, after the forming process is done.



### **TECHNICAL SUPPORT**



### MORE THAN JUST A PRICE CUSTOMER SOLUTION AND TECHNICAL SUPPORT

#### A WIDE RANGE OF PRODUCTS

We can deliver all the chemicals you need, from making foam or recycling foam to using in the manufacturing process of a large variety of goods across industries: Polyether polyols, toluene disocyanate, bi-component system and MDI binder for recycling foam, hot melt adhesives, solvent/water-based adhesives, special additives and chemicals (for plastics, ceramics), trim foam, release agents for PU foam and automotive.

# A LARGE VARIETY OF APPLICATIONS

When combining polyether polyols with disocyanate, one can be used in urethane applications, such as flexible foam, in coatings, adhesives, sealants and elastomer systems.

As a result, one can be used in a large variety of goods, including furniture, car seatings, bedding, paints and coatings, artificial sport tracks, playground surfaces, ski suits, and other waterproof wear.

Industries like furniture, building construction, automotive are the first ones to use polyether or polyester foam as flexibile or rigid structure, open cells or closed cells.

#### **OUR EXPERTISE, YOUR BACKUP**

We have been in foam industry for years, producing and processing foam, and willing to share our best practice with you.

Using all our expertise and good practice in foam production, with our specialized people in chemicals trading, sourcing and consultancy, we are in the best position to provide you with technical advice for choosing the correct price/quality ratio and the most suitable solutions for your specific needs.

We assist you from the very beginning, where the best formulas are needed to produce good quality foam, all along the testing process, so that, in the end of the process, the results to be in accordance with your needs, requirements and expectations.

We use reliable sourcing, to offer you good quality products, at correct price level and that meet the expected delivery terms and conditions.

Focused on long term partnerships and win-win principle, we provide solutions and technical support for making flexible and/or rigid polyurethane foam, for recycling trim foam by making rebond foam, that can be used in various industries like upholstery, bedding, mattresses, medicals, automotive, hygiene and many others.



### **TECHNICAL SUPPORT**

#### **TECHNICAL SUPPORT**

We are committed to providing high-quality equipment for our customers' applications. We work closely with our customers to clearly understand their requirements, all along the way, before and after the sales process, looking for the maximum level of customer satisfaction across the entire process.

Then, we leverage the expertise of our engineers, designers, software developers, and system integrators with the objective of achieving quality requirements, cycle times, enabling our customers to improve their productivity and profitability.

Since the very beginning, we are keeping a clear goal in mind: to offer our customers, all over the world, a new alternative in selling and servicing equipment for every need.

With attentive services and full technical support for all aspects of needs and requirements of our customers, (including advising, sample production, installation, commissioning, maintenance, training, and spare parts supply), we have become a well-known supplier of machines and services.

#### INSTALLATION

For the installation to be performed in good conditions and in due time, it is necessary that a good preparation of the place to be done in advance and all conditions for installation to be ensured. You can count on our assistance all along the installation process of the equipment.

After the equipment having been installed, we start the first tests in production to help you obtain the output of the installation you expect.

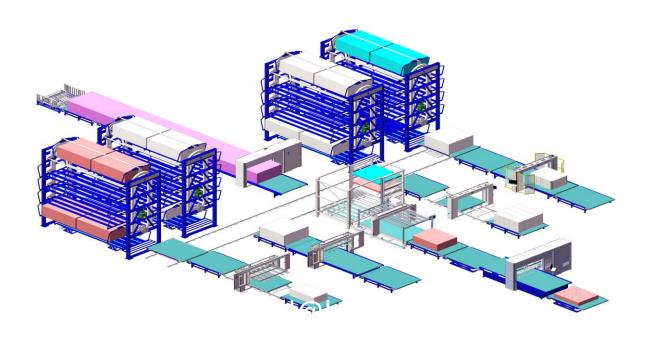
Normally, we dedicate 1-2 days for the whole process of installation and commissioning to be completed. This service is generally included as part of our general offer and comes as a guaranty for the quality of the machines we sell.

#### **OPERATOR TRAINING**

The classic way of performing a training is to teach and instruct the operator how to operate the functions of the machine.

After doing that, as part of the needed instruction process, we go into more depth and share good practice and tricks with the operators, that we have acquired in years of self experience with equipment dedicated to specific applications.

What can be more valuable that having from the beginning a good practice in operating the equipment, thus avoiding errors or breakdowns caused by mistakes in operation? That is our technical assistance and support.



### AFTER-SALES SERVICE



#### **MAINTENANCE**

For long-term use and good operating conditions, any equipment should be regularly maintained in compliance with the supplier instructions and maintenance calendar.

Every machine is delivered with precise and detailed instructions to be found in the manual of use and maintenance.

Doing so, you can ensure a long life of the machine and reduce unplanned stops.

For equipment under warranty, it is mandatory to perform regular maintenance in accordance with the provisions of the supplier, so that to benefit from the manufacturer's warranty.

The maintenance intervals may vary, depending on the model of equipment, application and type of equipment.

#### **WARRANTY**

Standard warranty of 12 months comes with every machine and an extended warranty of 24 months is available on request.

During the warranty period, parts that can be defective are replaced free of charge, if the conditions for warranty have been respected.

#### **DIAGNOSIS AND REPAIRS**

With our expertise and full support from our suppliers, we are able to support you after the warranty period of the machine, for all entire lifetime of the machine, with spare parts, diagnosis and repairs.

In order to provide fast repair and maintenance services, we keep a multitude of spare parts in our warehouse. In this age of technology, we also provide online support services to help our customers solve any problems that may come up.

Our after sales service is a team of highly qualified professionals dedicated to quickly identifying and troubleshooting problems on the spot. Contacting us is easy and we come wherever is needed.

#### **SPARE PARTS**

Our suppliers deliver spare parts for 10 years lifetime of the machine.

Generally, the machines are built using parts that can be easily found both trough the original parts channels, as well as through after market parts channels.

Some sets of spare parts are available for purchasing from the very first delivery of the machine, so that you can have a safe stock of spare parts.



### **BESTFOAM SRL**

Str. Principala 200, 300570 Buzias, Timis, Romania +40 741 268 388 +40 744 920 258



# ONE SOURCE ONLY FOR ALL YOUR NEEDS

### **FLEXIBLE FOAM**

FOAM CUTTING

MOLD FOAMING

TRIM FOAM

### **BAND KNIVES**

ALL TYPES
WORLDWIDE
AVAILABILITY

### **EQUIPMENT**

FOAMING
CUTTING
MATTRESSES

#### **CHEMICALS**

POLYOLS

ISOCYANATE

ADDITIVES



