

alfatex
machinery

MACHINERY CATALOG

COMPREHENSIVE SOLUTIONS FOR THE INDUSTRY



Alfatex Machinery

We are a Polish machinery manufacturer that has been in business since 1997.

Our experience in the textile and fabric industry has led us to specialise in the design and manufacture of modern and efficient equipment for a variety of sectors.

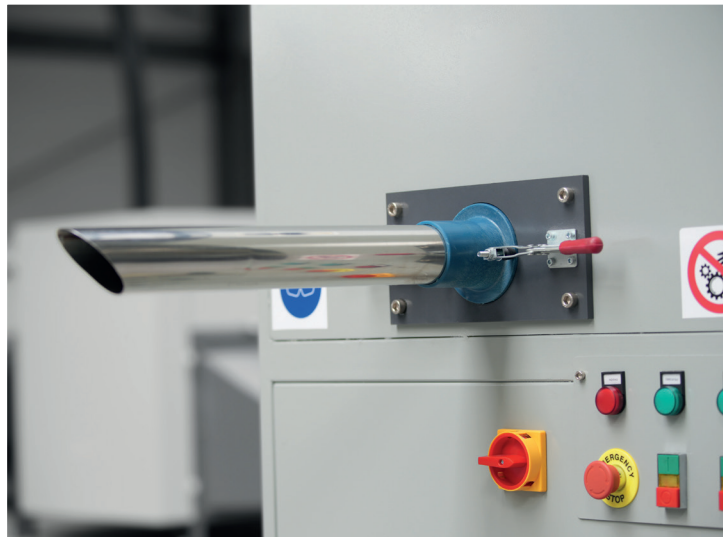
Our portfolio includes machinery for the production of stuffing material, stuffing machines, packaging machines and textile recycling machines.

We take pride in the fact that our equipment is manufactured in Poland. Our company manufactures both stand-alone machines and complete production lines. This enables us to provide our customers with high quality and timely delivery.

If you are looking for modern and efficient machines, we are ready to meet your expectations. Contact us for more information or to discuss your company's specific needs.

Stuffing / filling machinery

AM-301



Description

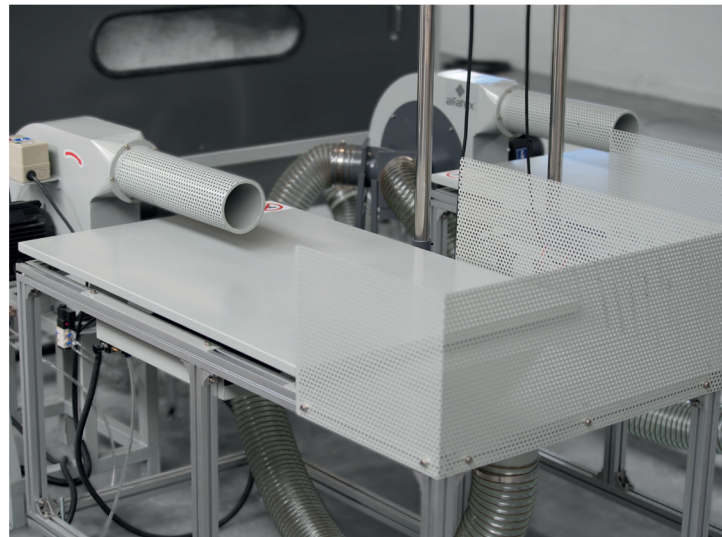
Machine for stuffing plush toys, pillows, braid pillows, dog beds, among other things. For the filling, the following can be used: carded fiber, ball fiber, foam sticks, granules, mixe's and everything what loose. The machine has a volume tank with rotary agitator and a work station. A powerful supply fan is also included. The diameter of the nozzle can be adjusted as required. A compressed air connection to the machine is essential. The filling process starts when the operator presses the footswitch.

Technical data

Power	0,4 kW
Fan power	2,2 kW
Power supply	400 V (optionally 230V), pneumatic
Air and pressure demand	up to 980 L (air/min) 6-10 bar
Filling nozzle	Ø 50 mm x 370 mm long (included) optionally: Ø 12, 18, 25, 30, 60 mm)
Tank capacity	up to 1000 l
Dimensions (length x width x height)	1200 x 800 x 2000 mm
Fan dimensions (length x width x height)	550 x 1000 x 1000 mm
Control	front panel + footswitch
Net weight	250 kg

Stuffing / filling machinery

AM-621



Description

Machine is designed to fill garden pillows, furniture pillows ranging from backrests to seat pillows, teddy bears, beddings to bedroom pillows. The set is equipped with two workstation with weight control of the final product. Pillows ranging in size from small to the largest can be stuffed and weighed quickly and easily. The process of stuffing the pillows is under control of the operator. Pressing the footswitch starts the ejection of the raw material (ball fiber, carded fiber, foam sticks and foam granules to other loose fillers).

Technical data

Power	
Tank with agitator	1,5 kW
Filling blower	2x2,2 kW
Power supply	400 V, pneumatic
Dimensions (length x width x height)	
Tank with agitator	2300 x 1200 x 2490 mm
2x work tables	1190 x 760 x 850 mm
2x filling blowers	600 x 700 x 1000 mm
2x ejector pin	400 mm Ø 130 mm
Control	control cabinet
Weight	
Filling blower	60 kg
Tank with agitator	450 kg
Capacity	up to 500 kg/h

Stuffing / filling machinery

AM-622



Description

Line for automatic filling of bedroom, garden and furniture cushions includes: buffer tank, weighing system, two vacuum packing station and control system with touch screen panel. The buffer tank is filled automatically by the upstream machine, e.g. a carding machine, a foam granulation machine etc. A product sensor located in the upper part of the tank detects the raw material and can automatically stop the feeding from the upstream machine. The filling size is selected using the touch panel. The most efficient operation of the machine is when filling pillows weighing from 500 gr to 1000 gr. After weighing the given amount of pillow filling, the raw material is sucked into the pillow. Two filling stations allow you to maintain continuous production. While the cover is being filled at the same time in the first station, the cushion is waiting to be replaced in the second station.

Technical data

Power supply	400 V, pneumatic
Power	26 kW
Capacity	up to 350 kg/h
Control	PLC + touch screen
Weight	1500 kg
Space needed for installation Width x length x height	3450 mm x 4700 mm x 4000 mm
Filling range	from 200 gr up to 1500 gr

Packing machinery

AM-102



Description

Bagging module allowing the manufactured product to be packed in 2 plastic bags (alternately). Compatible with Alfatex machines, e.g. line for manufacturing carded fibers, ball fibers, foam stick machine, foam shredding machines and other equipment.

The set includes:

- 1x packaging unit for 2 bags
- 1x heavy-duty bi-directional transfer fan
- 1x bi-directional pneumatic system
- 2x reinforced transfer pipes

Technical data

Power supply	400V, pneumatic
Fan power	4 kW
Diameter of one basket	460 mm or 610 mm
Dimensions (length x width x height)	
460 mm version	1220 x 1000 x 2350 H (mm)
610 mm version	1500 x 1200 x 2350 H (mm)
Net weight	120 kg

Packing machinery

AM-201



Description

The machine streamlines the process of putting on pillowcases and packaging. The bars compress the pillow to reduce its volume, making the process of putting on the pillowcase or plastic bag easier and quicker. A compressed air connection to the machine is essential. The machine is characterized by its ease of use, compact size and quiet operation. Inserts with fillings that can be used on machine:

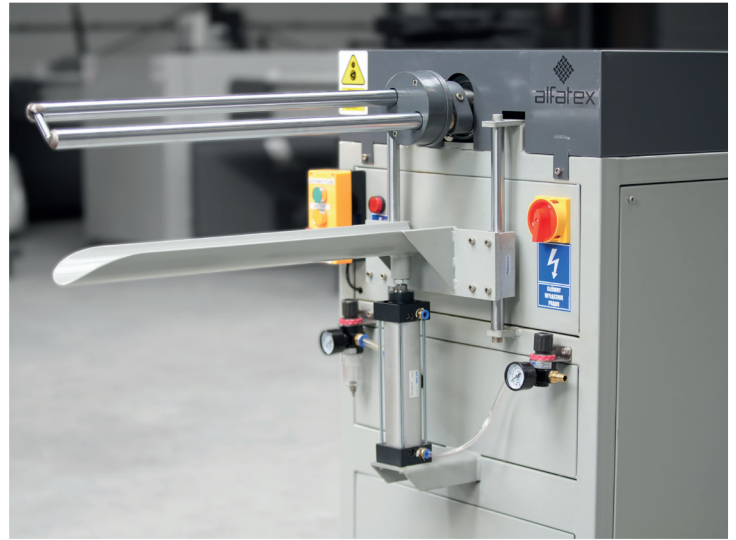
- Plain foam/visco
- Foam – cut out form
- Foam sticks
- Carded fiber, fiber balls

Technical data

Power supply	pneumatic
Fork length	520 mm/625 mm
Air pressure	5-8 bar
Dimensions (length x width x height)	700 x 510 x 1250 mm 700 x 510 x 1360 mm
Control	2 x footswitch
Net weight	80 kg

Packing machinery

AM-701



Description

The machine is used for rolling pillows, duvets, toppers, and many other products, efficiently reducing the surface area of the packaged product. Through the pressing chute, we can control the diameter of the rolled product. The machine has two operating modes: automatic and manual. When putting on a quilt or pillows, the operator has the option of programming a specific rolling time or activating the rolling manually on the operator panel. Once the rolling is complete, while putting on the bag or film sleeve, the footswitch is pressed, which triggers the push of the rolled goods into the packaging.

Technical data

Power	0,4 kW
Power supply	400 V, pneumatic
Roll-up fork length	650 mm
Maximum pillow width	700 mm
Air pressure	5-8 bar
Capacity	up to 6-8 pcs./min
Dimensions (length x width x height)	1650 x 600 x 1080 mm
Weight	100 kg

Packing machinery

AM-721



Description

Machine is used for pressing/crushing/squeezing (reducing the volume of products) of soft, fluffy products. Reducing the volume of the product has an impact on the low cost of transport, saving storage space before the goods are dispatched. We are the only manufacturers to use the possibility of setting a constant temperature of the film sealing strip, which affects the repeatability of the seal. The packaging process takes place when two buttons are pressed simultaneously with both hands, which causes the pneumatic cylinders to descend to the lower position, and the footswitch to lower the heating strip at a later stage. In this extremely simple way, we can reduce the volume of the product by up to a several dozen percent.

Technical data

Air pressure	6-8 bar
Capacity	5-10 pc./min.
Dimensions of the packaging area (length x width x height)	1400 x 950 x 280 mm
Dimensions (length x width x height)	1480 x 1250 x 1790 mm
Power supply	230 V, pneumatic
Net weight	300 kg

Packing machinery

AM-722



Description

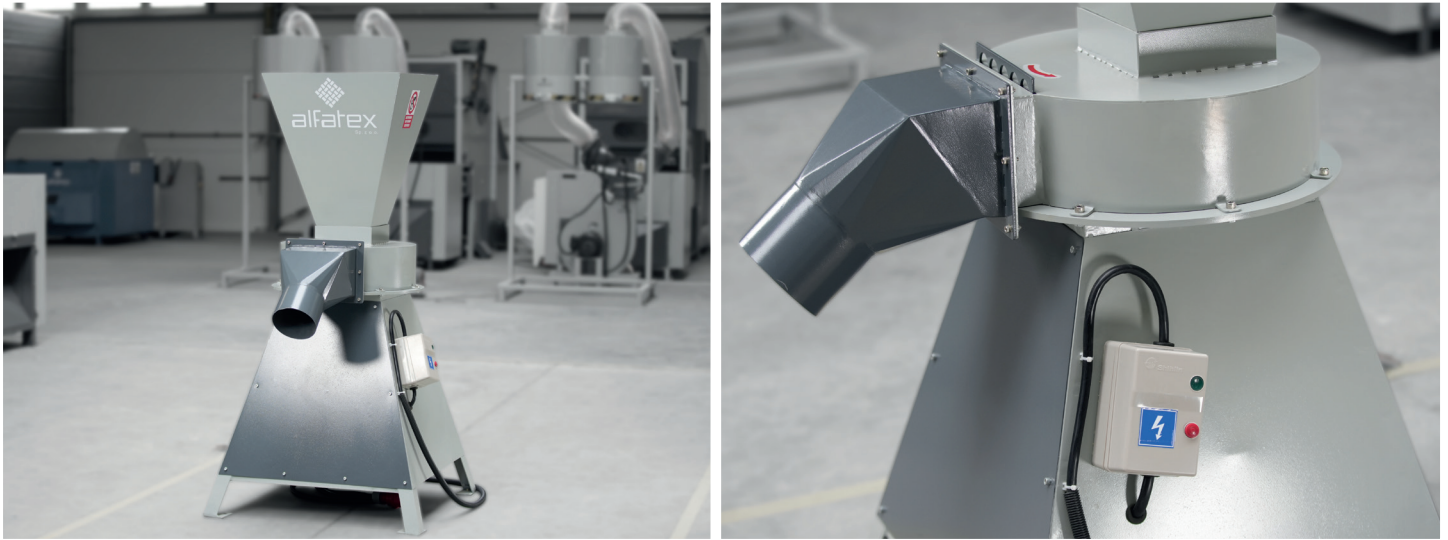
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Technical data

Air pressure	6-8 bar
Capacity	5-10 pc./min.
Dimensions of the packaging area (length x width x height)	1700 x 1200 x 480 mm
Dimensions (length x width x height)	1900 x 1300 x 2200 H (mm)
Power supply	230 V, pneumatic
Net weight	500 kg

Shredding/recycling machinery

AM-901



Description

Foam shredding machine is used to cut foam into granules. The machine has rotor cutting knives (2 levels) in the hopper and a fractional mesh that can be exchanged for different sizes. The prepared granules can be reused for filling e.g.: pillows, toys, beddings and other products. All materials to be processed are fed directly into the machine, with the option of using a material infeed conveyor.

Technical data

Power	7,5 kW
Power supply	400 V
Capacity	up to 70 kg/h
Dimensions (length x width x height)	780 x 780 x 1500 mm
Control	on/off switch
Net weight	100 kg

Shredding/recycling machinery

AM-902



Description

Foam shredding machine is used to cut foam into granules. The machine has rotor cutting knives (3 levels) in the hopper and a fractional mesh that can be exchanged for different sizes. The prepared granules can be reused for filling e.g.: pillows, toys, beddings and other products. All materials to be processed are fed directly into the machine, with the option of using a material infeed conveyor.

Technical data

Power	11 kW
Power supply	400 V
Capacity	up to 180 kg/h
Dimensions (length x width x height)	
Machine	1100 x 800 x 1800 mm
Control cabinet	340 x 550 x 1000 mm
Optional	bagging module
Control	control cabinet
Net weight	380 kg

Shredding/recycling machinery

AM-903



Description

Foam shredding machine is used to cut foam into granules. The machine has rotor cutting knives (3 levels) in the hopper and a fractional mesh that can be exchanged for different sizes. The prepared granules can be reused for filling e.g.: pillows, toys, beddings and other products. All materials to be processed are fed directly into the machine, with the option of using a material infeed conveyor.

Technical data

Power	18 kW
Power supply	400 V
Capacity	up to 280 kg/h
Dimensions (length x width x height)	
Machine	1250 x 1000 x 2060 mm
Electrical cabinet	340 x 550 x 1000 mm
Optional	bagging module
Control	control cabinet
Net weight	420 kg

Shredding/recycling machinery

AM-402



Description

Our shredding machine is ideal for processing all kinds of knitted, woven and non-woven fabrics. Once processed by the machine, the result is a raw material ready to be reused for any kind of stuffing or reprocessing. This is a very efficient form of recovering raw material from production residues. The operation of the machine is very intuitive and the whole process is safe.

Technical data

Power	14,5 kW
Power supply	400 V
Capacity	up to 200 kg/h
Dimensions (length x width x height)	
Machine	2850 x 1420 x 1340 mm
Electrical cabinet	340 x 550 x 1000 mm
Control	control cabinet
Net weight	1000 kg

Shredding/recycling machinery

AM-913



Description

Foam “Sticks” Cutting Machine is designed for dust-free cutting of all customary soft-foam-types into “sticks”. The machine is equipped with three cutting sections and two frequency converters for adjusting the feeding speed and cutting length. The raw material is fed into the machine via in-feed conveyor and maximum height of the loading space is 150 mm. Cross cutting unit equipped with many knives.

Technical data

Power	14 kW
Power supply	400 V
Capacity	up to 300 kg
Dimensions (length x width x height)	3200 × 1200 × 1320 mm
Control	control cabinet
Net weight	1500 kg

Fiber processing machinery

AM-531



Description

Carding machine quietly and efficiently converts HCS polyester fiber, cellulose and microfibers into carded/wadded fiber. The following model of the machine is of particular interest to our contractors, who produce, among other things, bedroom pillows, decorative pillows, furniture pillows and teddy bears. The machine is distinguished by its ease of use, large raw material hopper, continuous operation and efficiency. The technology used makes the machine completely safe. The AM-531 is a guarantee of satisfaction with the end product.

Technical data

Machine power	10,5 kW
Power supply	400 V
Capacity	up to 300 kg/h
Working width	1000 mm
Feeder capacity	up to 250 kg
Machine dimension including feeder (length x width x height)	4790 x 1350 x 2450 mm
Control	control cabinet
Net weight	1400 kg

Fiber processing machinery

AM-551



Description

Ball Fiber Machine efficiently converts the HCS polyester fibers into a ball fibers. The device is equipped with a touch panel and a scale for weighing the amount of fibers inserted into the carding unit. In combination with the packaging module, the machine automatically switches packing to the second bag when the first bag is full. The possibility of adjusting the size of the end product (ball fiber), the capacity (feeding time of the raw material) adapts the machine to the needs of each customer.

- Thickness from 1,2 dtex up to 20 dtex
- Fiber length from 32 mm up to 64 mm
- Virgin and recycled fibers

Technical data

Machine power	10,5 kW
Power supply	400 V, pneumatic
Capacity	up to 200 kg/h
Feeder capacity	250 kg
Dimension (length x width x height)	4790 x 1350 x 2450 mm
Control	touch screen
Net weight	1400 kg

Company

Alfatex Machinery



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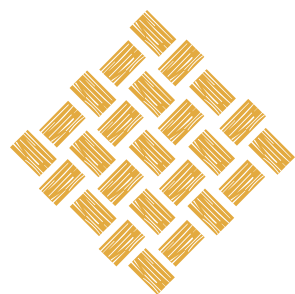
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