



innovations
from experience

Worldwide leader in feeding and cutting equipment



MANUFACTURER OF FEEDING
AND CUTTING EQUIPMENT
SINCE 1925



COMPANY PROFILE — — — — — p. 4-5

PRODUCTS

Automatic loader-feeder	p. 6-7
Cutting machines	p. 8-9
Accessory equipment	p. 10-11

APPLICATIONS

Preparation of textile waste for recycling	p. 12
Preparation of soft plastic waste for recycling	p. 13
Special applications	p. 14

SINCE 1925

Pierret specializes in the manufacture of guillotine cutting machines as well as automatic loader-feeders mainly dedicated to the preparation of textile and soft plastic waste for recycling. They can also be used for special applications such as high precision short cut, reinforcement, etc. Pierret machines easily and accurately handle most textile and soft plastic materials as well as special fibers (glass, carbon, aramid, basalt, stainless steel, Dyneema®, Spectra®, ...) without danger of melting or fusion. They are easy to use and of robust construction, reliable, capable of providing significant outputs at low installed power, adapted to the most varying conditions and suitable for difficult-to-handle applications.



ALL UNDER ONE ROOF

This is how you can quickly describe our company. In our state-of-the-art manufacturing facility located in Belgium, we always start from basic raw materials in order to ensure full control over the entire production process. We take care of the development, the manufacture and the assembly of all our products.

IN MORE THAN 70 COUNTRIES

Thanks to local agents, test facilities, after-sales service teams as well as overseas spare parts inventories, Pierret customers are always offered a quick and suitable support. Based on our experience and know-how, we are constantly listening to our customers to innovate our products and provide optimal solutions to the market place.





R52

Automatic loader-feeder compatible with our CT60N and N60 cutting machines as well as with other recycling & generalized equipment.



The patented R52 automatic loader-feeder is mainly designed to feed one or several CT60N, CT60 or N60 cutting machines but, can also be placed upstream of any other recycling or generalized equipment. Its operation is automatic, adjustable and continuous. It can take large bales and/or boxes as well as material in bulk form and feed the material to awaiting downstream equipment such as a cutting machine. Its operation is fully automatic, consistent, adjustable and continuous. Processed material may consist of fibers, tangled yarns, fabrics, carpets, tows, non-wovens, plastic films, nets, big bags, ropes, ... in bales of different size and density, in bulk, in boxes, ...



COMPARATIVE CHART

	S45	N45	R45	N60	CT60N	P26
Cutting width	450 mm	450 mm	450 mm	600 mm	600 mm	260 mm
Cutting lengths range	6-150 mm	3-125 mm	3-125 mm	4-118 mm	5-360 mm**	0,1-8 mm
Cutting speed	300 cuts/min.	405 cuts/min.	380 cuts/min.	290 cuts/min.	250 cuts/min.	85-400 cuts/min.
Compressed material thickness*	75 mm	75 mm	75 mm	125 mm	180 mm	2-40 mm
Total installed power (50 Hz)	4 Kw	7,1 Kw	10,8 Kw	13 Kw	25,5 Kw	16 Kw
Bulk material	✓	✓	✓	✓	✓	✗
Continuous material	✓	✓	✓	✓	✓	✓
Soft material	✓	✓	✓	✓	✓	✓
Special fibers	✗	✗	✓	✗	✓	✓

* According to the material
• According to the cutting speed

SOFT MATERIAL

- Man-made fibers (PP, PES, PA, ...)
- Natural fibers (cotton, flax, wool, sisal, ...)
- Textile waste (old cloth, ...)
- Plastic films (PP, PE, PES, ...)
- ...

SPECIAL FIBERS

- Glass
- Carbon
- Aramid
- Basalt
- Stainless steel
- Dyneema®
- Spectra®
- ...

S45



Guillotine cutting machine for soft material.

N60



Guillotine cutting machine for soft material.

N45



Guillotine cutting machine for soft material.

CT60N



High capacity guillotine cutting machine for soft material as well as for special fibers.

R45



Reinforced guillotine cutting machine for special fibers.

P26



Guillotine cutting machine for high precision short cut (flocking fibers, reinforcement fibers, fiber fillers, pulp, ...).

Pierret machines can be adapted to suit the user's specific requirements by adding a range of accessories and complementary machines, such as:

- Bobbin cutter
- Big bag compacting unit
- Conveyors for transporting materials between the different stages or at the end of the production line
- Automatic grinding machine
- Metal detectors
- ...

CB

This hydraulic cutting machine is dedicated to the cut of bobbins of large diameter (max. 450 mm). It offers the flexibility to work alone but it can also work in line with other equipment (automatic feeder, cutting machine, ...).



UC

This compacting unit for big bags is an alternative solution to the existing baling press technology for all types of soft cut materials including wet materials, mixings, variable density materials, ... and is the perfect choice for short fibers as well as glass fiber.

CO

Conveyors of different sizes and «height adjustable».



RL 1000

Automatic grinding machine for all Pierret knives.

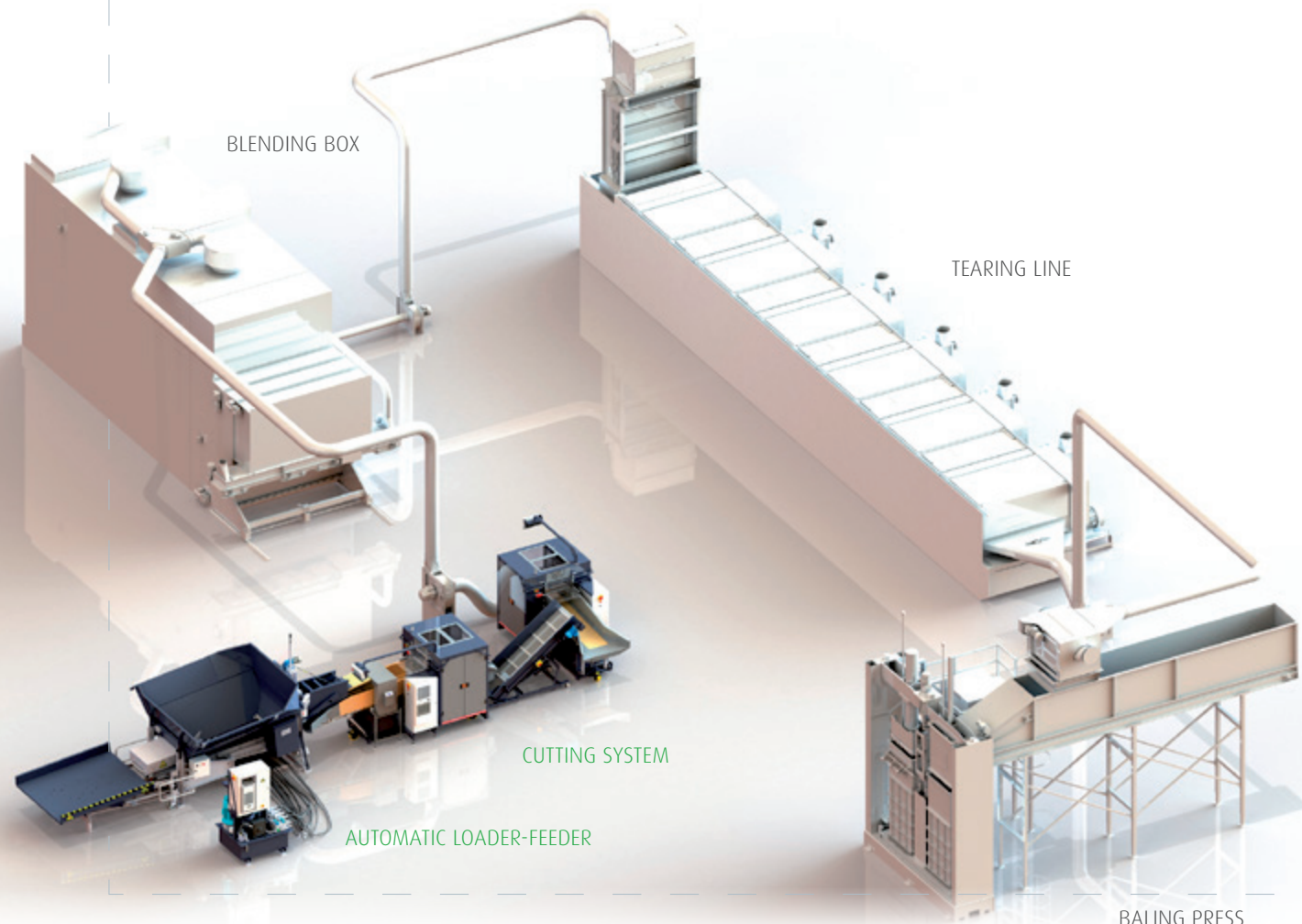


PREPARATION OF TEXTILE WASTE FOR RECYCLING

Our machines are mainly used **to cut** textile waste **prior to the tearing process**.
In most cases, **after the tearing process**, those material will be used for **non-wovens** or for **re-spinning**.

TEXTILE WASTE (old cloth, ...) • NATURAL FIBERS (cotton, flax, wool, sisal, ...)

MAN-MADE FIBERS (PP, PES, PA, ...) • SPECIAL FIBERS (glass, carbon, aramid, ...)

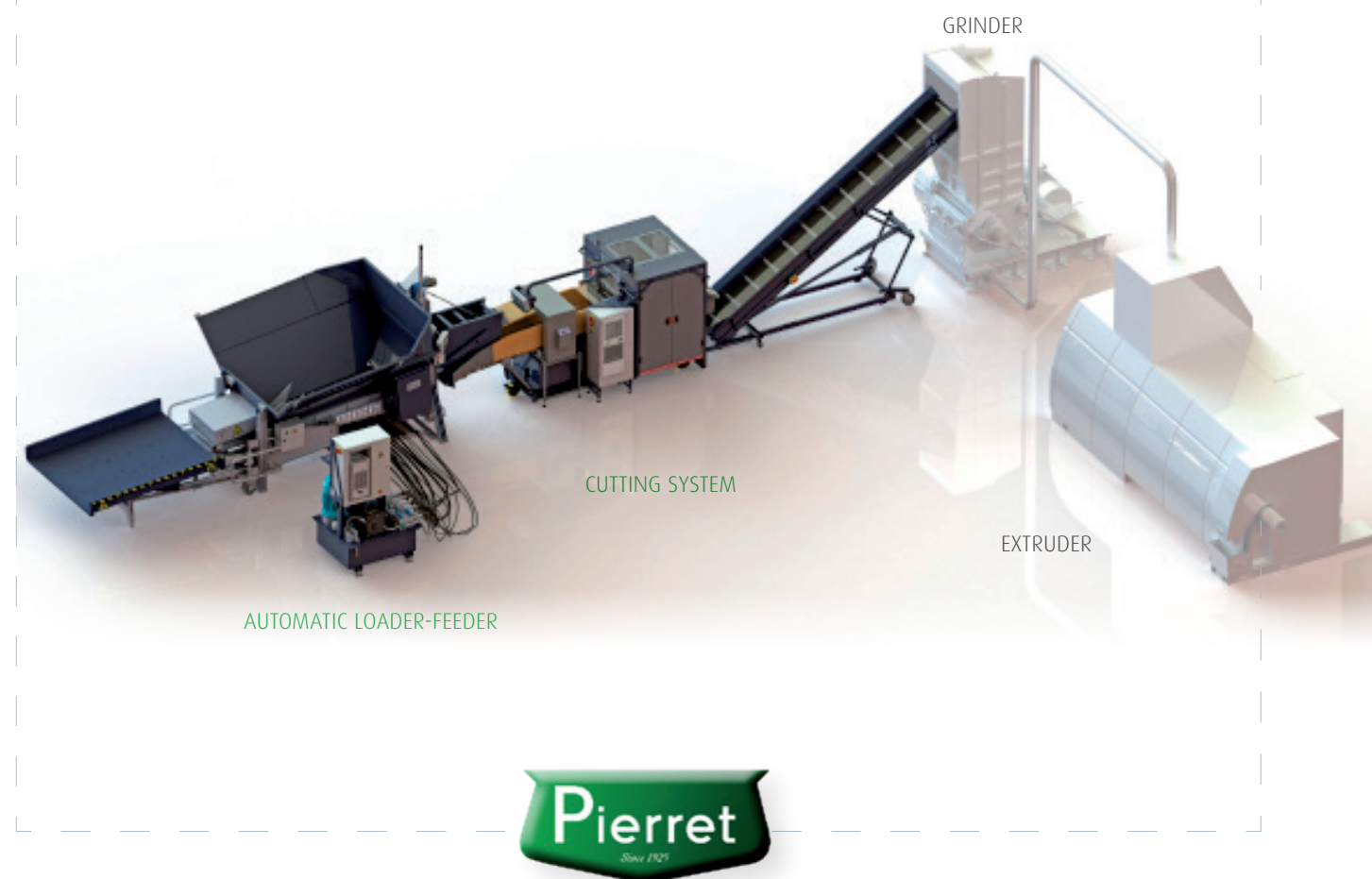
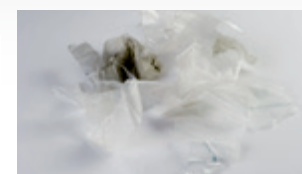
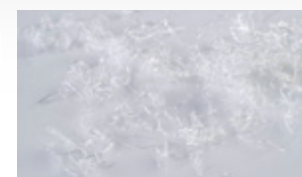


PREPARATION OF SOFT PLASTIC WASTE FOR RECYCLING

Our machines are mainly used **to cut** soft synthetic waste (contaminated or not) **prior to the extrusion process**.
In most cases, **after the extrusion process**, those material will be used for **re-granulating**.

MAN-MADE FIBERS (PP, PES, PA, ...)

PLASTIC FILMS (PP, PE, PES, ...)



SPECIAL APPLICATIONS

Here is a non-exhaustive list of special applications :

HIGH PRECISION SHORT CUT

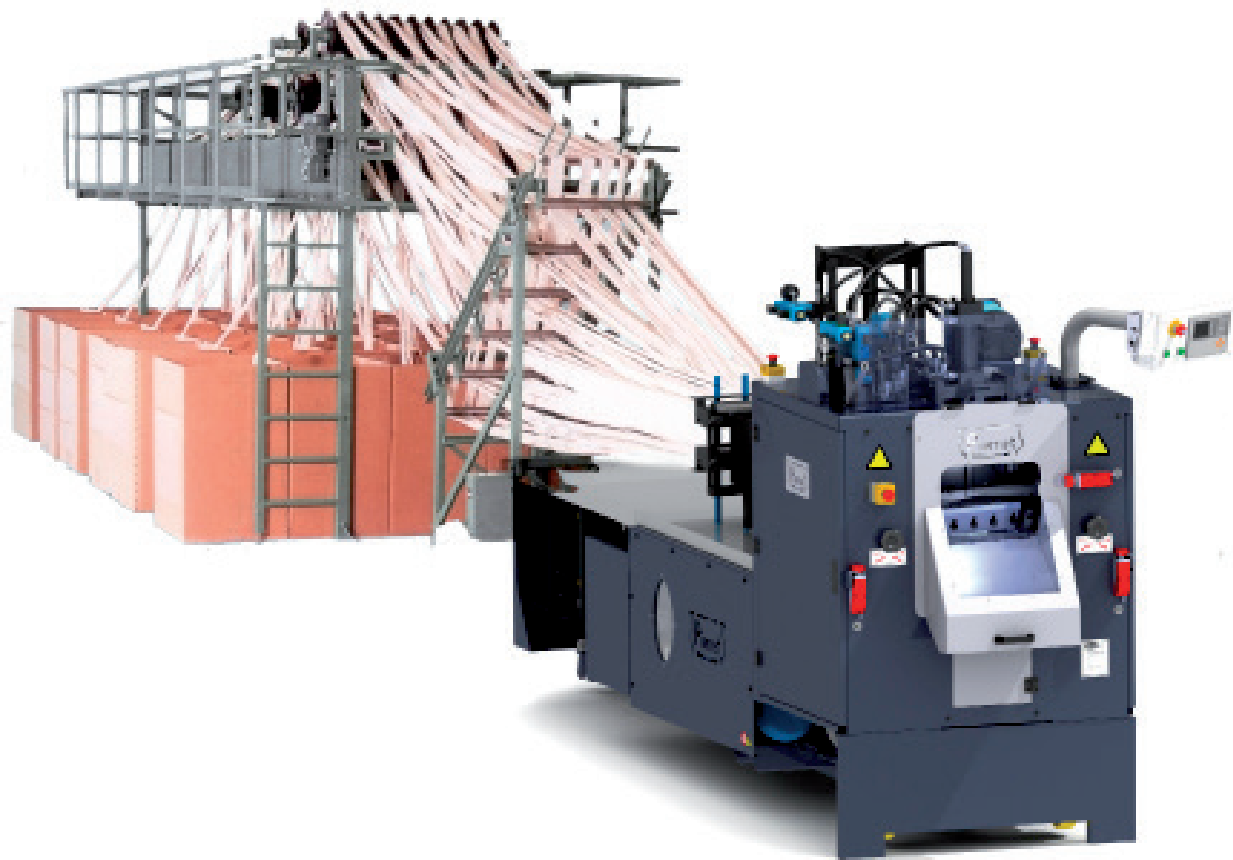


(aramid, viscose, PA, PES, ...)

REINFORCEMENT



(glass, carbon, aramid, basalt, stainless steel, Dyneema®, Spectra®, ...)



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