

- 
- Tearing & Fibre recycling
 - Recycled Fibre Web Forming
 - Recycling lines

Solutions for recycling



Tearing & Fibre recycling

ETO opener

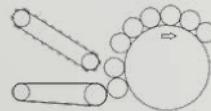
- Designed to open edges on nonwoven production lines during production also often used off-line to open hard wastes
- Equipped with sets of workers/strippers
- Working widths: 500



WORKING WIDTH	500 mm
FIBRE PROCESSED	Edges/Wastes

WO - Waste Opener

Designed to open production waste or other wastes. It can be **single or double** drum, dia 500 with several working cylinders dia 125 mm.



WORKING WIDTH	1000-1500 mm
FIBRE PROCESSED	Edges/Wastes

Rotary Cutter & Rag Tearing

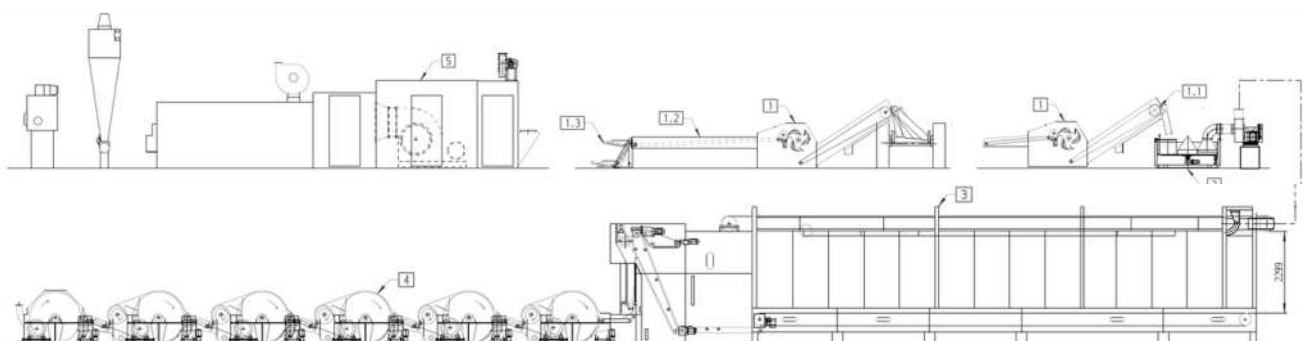
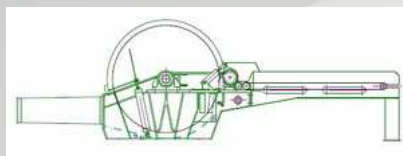
ROTARY CUTTERS

WORKING WIDTH	800 to 1800 mm
PROD. CAPACITY	2000/3000 kg/h
FIBRES	All wastes



RAG TEARING

WORKING WIDTH	1000to 2000 mm
PROD. CAPACITY	Up to 1500kg/h
FIBRES	All wastes



Recycled Fibre Web Forming

Traditional roller cards

BCNT: Nonwoven carding machine specially designed to process shoddy and natural fibres. The large carding surface and diameters make it the best solution for light weight recycled fibers and for crosslapped products

WORKING WIDTH	Up to 4200 mm
FIBRE LENGHT	10-50 mm

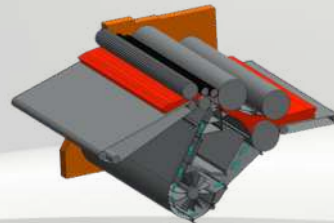
Nonwoven carding machine with large carding surface specially designed to process shoddy and hard fibres.



Aerodynamic web formation

Turbo card

The Bonino Turbocard is suitable for any kind of virgin fibre (synthetic or, natural) and recycled fibre. It can manage short and long filaments to form a 3D structured web with strict tolerances.



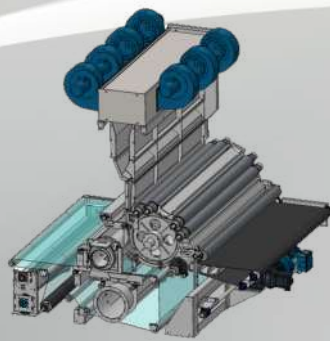
WORKING WIDTH	Up to 3500 mm
PROD. CAPACITY	Up to 500 Kg/h/m (depending on fibre)
FIBRE LENGHT	All
WEIGHT	Up to 10.000 gsm
FIBRE DTEX	All

Grecale Airlay

The Grecale Airlay provides a 3D structured web similar to the Turbocard but with the possibility of reaching high weight and thickness.

Bonino produces 2 different kind of airlays depending on the product required:

- **MODEL DG**
- **MODEL DP**



WORKING WIDTH	Up to 3500 mm
PROD. CAPACITY	Up to 500 Kg/h/m (depending on fibre)
FIBRE LENGHT	All
WEIGHT	Up to 4500 gsm



Hydra card

The HYDRA CARD is the latest generation of the Bonino cotton card used for decades in processing of cotton wastes.

WORKING WIDTH	1000 TO 1500 mm
FIBRE PROCESSED	Cotton/Viscose /Natural
ADVANTAGE	Breast cylinder
PROD. CAPACITY	Up to 180 kg/h (depend on fibre)

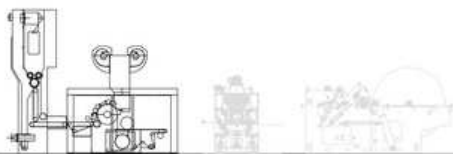
- Suitable to process very short fibres
- Suitable to reach heavy output uploads and high speed
- Stationary or rotating flats



Recycling lines

Middle and heavy weight

Airlay needle punched for glass fibre and synthetic fibre

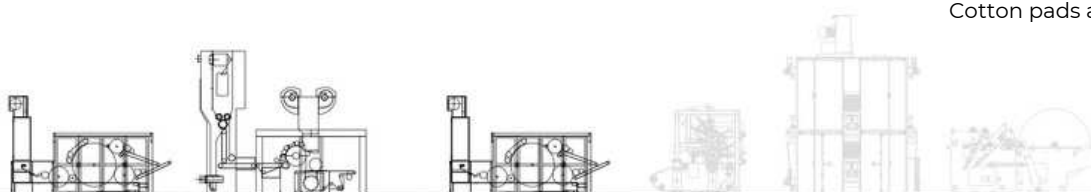


Heavy and super heavy weight

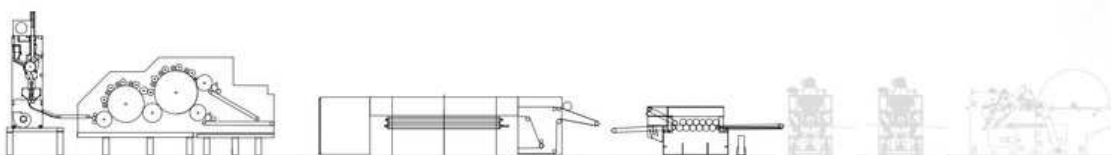
Airlay thermal bonded for any type of fibre



Cotton pads and natural fibres **medium weight** spunlace



Needle punched for recycled fibres



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