

Complete lines for





OPENERS:

Dell'Orco&Villani successfully evolved its core activity to meet customers' requirements in reclamation of different textile material. Our special carding openers are suitable for the intimate opening of fiber, opening of spunlace waste materials and reclamation of a wide range of nonwoven waste (needlepunched, thermalbonded, high loft, ...) made by natural and synthetic fiber. Fine opener with wooden lags and pins are also provided and applied for opening and mixing of natural and synthetic fibers.

BLENDING and STORAGE BOXES

For the storage and blending of new or regenerated fiber our company builds its single and double chamber boxes providing an high storage capacity and multi material treatment in different phases of the production. Fully automated, complete of air and dust recovery system they are widely used in our blending and tearing plants where high production and optimal fiber mixing is required.



PRESSES:

Our presses are suitable for continuous baling of opened and staple fibers, textile waste and baling of other different materials. All our presses are installed above the ground, easily controllable by operator thanks to their touchscreen HMI and PLC. They can be provided with single or double box to cover a wide range of productivity requirements typical of tearing or blending lines. An horizontal bale press is also available for internal material stocking. Automatic strapping, bale doffing and weighing can be provided as optional.



CONDENSERS and FEEDING SILOS:

Our machines for material transportation and feeding are essential in our plants for a full automatic production and for the control of the feeding process. Their use increases the quality of the opened fiber when coupled with our fine openers. They can be applied as feeders in the weighing and blending process, for transportation of textile in different forms like edge trims, cut pieces or opened fiber. They are used for fiber transportation to our openers, blending boxes, presses and for their the automatic feeding



FEEDERS and BALE OPENERS:

Our bale openers are used in all our blending plants and sometimes to feed single openers. They are often provided with metering systems by means of continuous weighing conveyor or pans for the precise percentage calculation and production. Automatic feeders are applied together with openers, tearing plants and carding machine to increase their output fiber quality and production. They can also be provided with continuous weighing conveyor to record and adjust the productivity of the opening machine and can be interfaced with customer's ERP system. All our feeders and bale openers are provided with automatic control of the input and output fiber flow.



CLEANING WILLOW and ACCESSORIES:

Our cleaning machine is able to autonomously eliminate all hard impurities contained in the opened fiber like metal and plastic parts, not opened hard textile, buttons and zippers. Its movable blade can be set to adjust the cleaning action. The machine can be provided with air suction fan and dust collecting filters in order to eliminate also the small particle contaminating the natural and synthetic fibers. A set of accessories can be provided in our plants for an additional cleaning action on the fiber, metal detection and elimination as well as oiling, emulsion spraying and centralized filtration.

TEARING MACHINES:

Dell'Orco&Villani company started the business more than 50 years ago building its first tearing machine and since that time the experience grew, always providing our customers with the latest cutting edge technology. The new TITAN tearing machine condenses all the experience, tradition and innovation that our company can provide: small footprint, compact design, electronic control of each tearing group, digital data and recipes storage, easy access for daily cleaning, adjustable setting in operation condition, small power consumption.



CUTTERS:

Dell'Orco&Villani cutting machines are designed to cut rags and textile waste in different forms like continuous edges, complete garments, "waste filaments," rolls and more. Our cutters are provided with "blade adjusting system" that can be moved also during the operation of the machine in order to optimize the cutting effect and reduce blade consumption. Cutting length is adjustable, lifting covers provide easy access for daily cleaning, wheels below the machine grant its easy movement.





DENIM



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OPENED
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OPENED
SPUNLACE



OPENED
JUTE



AUTOMOTIVE



HARD
PANELS



UNDER
CARPET



THERMOBONDED
PANEL

Dell'Orco&Villani has been manufacturing recycling equipment for knitted, woven and nonwoven textile waste since 1964 building its strong reputation.

The company designs and supplies individual machines and customized complete lines for textile recycling, fiber opening, cleaning and blending with proven advantage of its customers in a wide range of applications: Automotive, Hygiene, Construction, Furniture, Textile production with recycled fibers.

**DELL'ORCO&VILLANI OFFERS THE OPPORTUNITY TO PERFORM RECYCLING
AND OPENING TRIALS IN ITS LABORATORY LINE.**

In strong collaboration with local partners they provide complete lines and services for nonwoven production. Our common laboratory line in Pistoia is available for testing non-woven production on a real 2,8m wide production line.



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