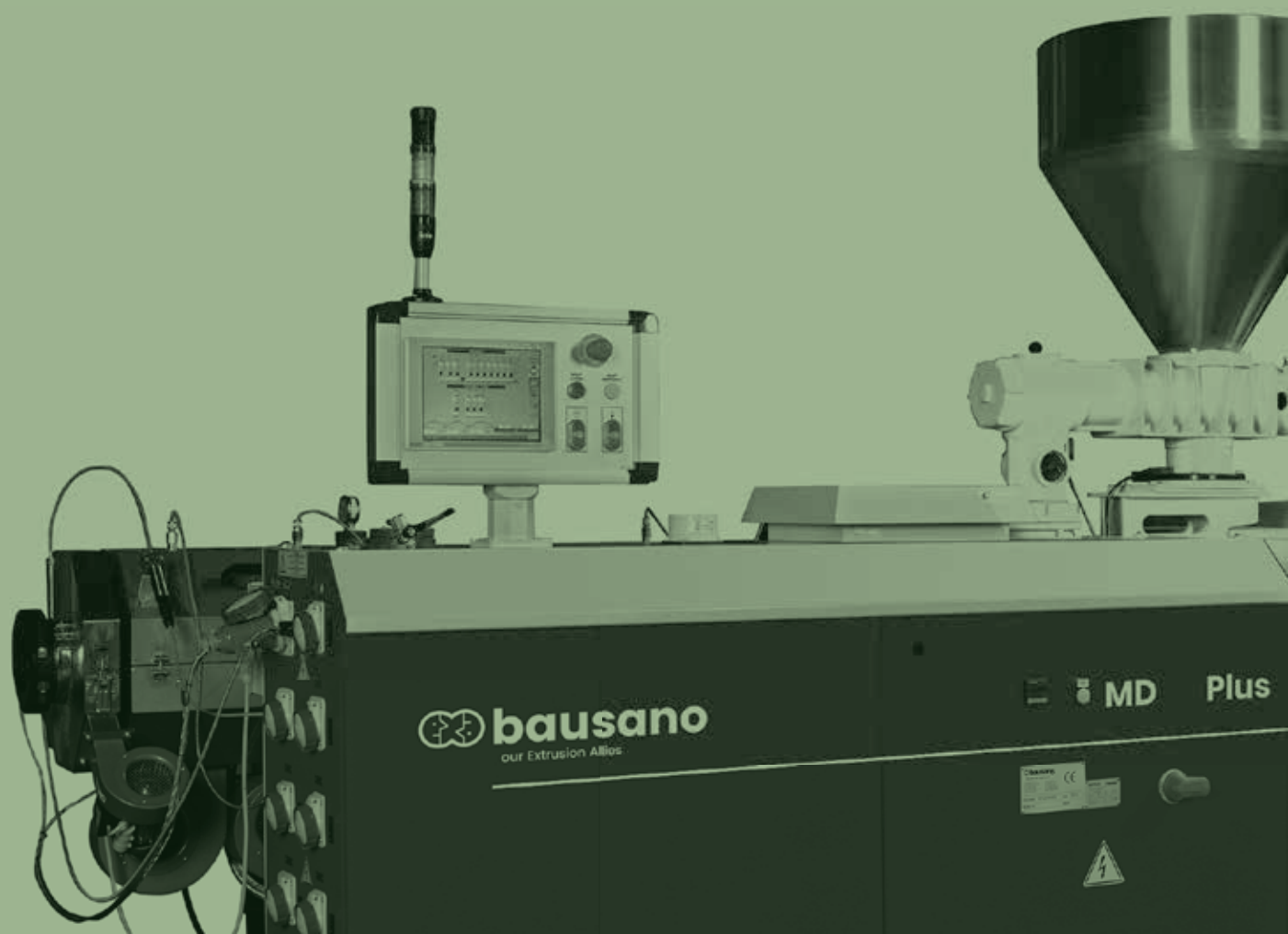




EXTRUSION LINES
FOR PRODUCTION OF
WPC



Characteristics of WPC



MATERIAL

The term WPC (Wood Plastic Composite) indicates an entire family of products (profiles, boards and granules) specifically produced with a mixture of polymers (PVC, PE, PLA or PP) and vegetable components (wood dust, but also rice husks, almond shells, etc.) Cheap, resistant and versatile, WPC represents a new frontier in the field of building and industrial materials, with a variety of applications.



100% RECYCLABLE

Composed of waste from other processes such as renewable raw materials and recovered polymers, POLYWOOD is one of the few environmentally-friendly materials with negligible environmental impact. Unlike mineral rubble, requiring an expensive disposal process, WPC is fully recyclable and can be retransformed in a new product at low cost.

COMPOSITION

VEGETABLE COMPONENTS: wood dust, rice husk, vegetable waste and natural fibre in general.

SYNTHETIC COMPONENTS: PVC, PE, PP, PLA.



EXTRUSION TECHNOLOGY

The Bausano twin screw extruder can incorporate up to 100 phr of wood or natural fibre.

The Bausano POLYWOOD technique, improved year after year, is distinguished by two basic features, which are:

- **DIRECT EXTRUSION:** the possibility to extrude the profile directly from the raw material;
- **INDIRECT EXTRUSION:** the possibility to process the material starting from the granule.

These two features allow the reduction of the production costs.

Extrusion lines for WPC profiles

With Bausano POLYWOOD technology, it is possible to obtain profiles composed of wood powder up to 80%, with features that make them better than wood in terms of reliability, performance and production costs.



Versatile, can be processed like wood



Aesthetic appeal equal to wood, also in finishings



Resistant to corrosion, weather and UV radiation



Does not require large-scale maintenance or special treatments for laying



Termite-resistant



Excellent thermal insulator

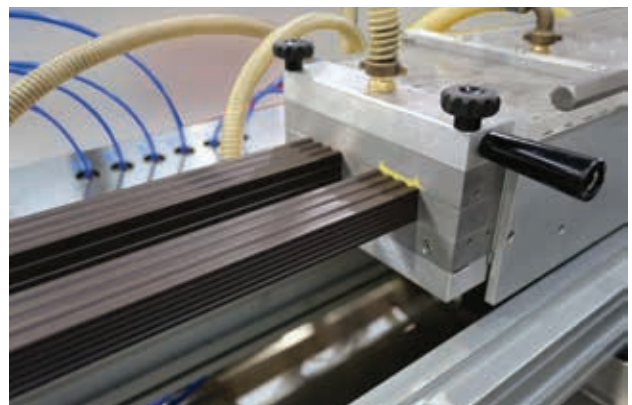
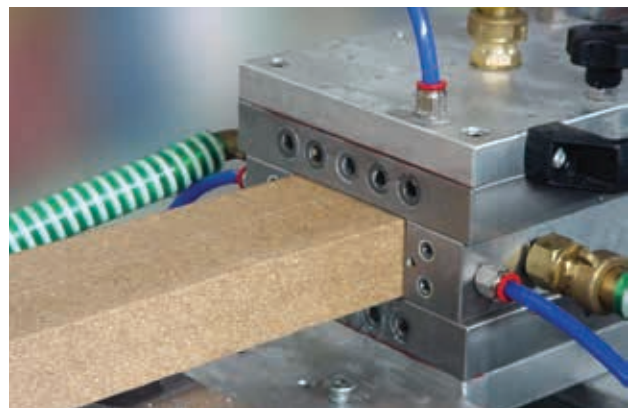


Cheaper than wood



Flame retardant

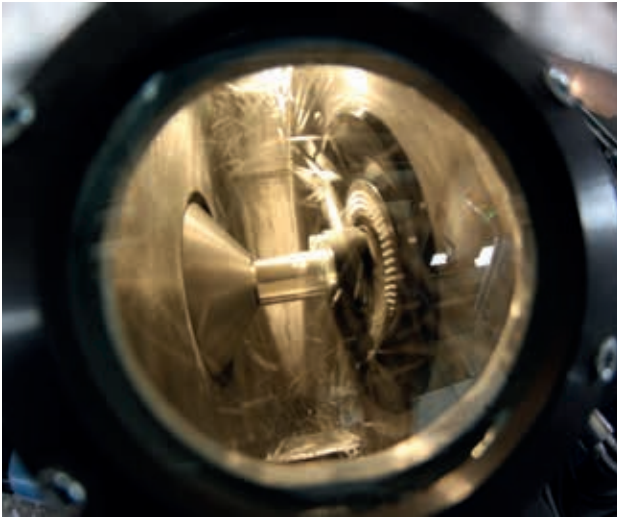




Extrusion lines for WPC granules

Bausano builds extrusion lines suitable for the production of WPC granules with high-quality mechanical features, starting from renewable raw materials selected for environmental protection. These lines are fully customisable and highly efficient at any production output, thanks to the innovative extruders of the MD Plus line and the wide range of modular accessories. Ease of use and time saving for maintenance and cleaning are always our goals during the study and design of our granulation lines.





The use of Bausano extruders allows using recycled material of larger dimensions and without the need of pre-mixing or pre-drying. The obtained granules can be transformed in finished products both through moulding and extrusion on lines with single screw and twin screw extruders.

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BAUSANO

The advantages of plastic and the beauty of wood



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