Products

- **Mater-Bi**
  - Certifications
  - Sectors of application
  - Application technologies
- Ager-Bi
- Sunpower®
- Matrol-Bi
- Celus-Bi
- Biochemicals

Mater-Bi

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mater-bi entirely or partially from vegetable sources, developed through over thirty years of research and innovation

MATER-BI was developed to help address specific environmental, economic, and social challenges—such as the management of organic waste and the pollution of agricultural soils—by creating a virtuous system that generates widespread benefits for society. It combines product quality and performance with efficient resource use.

MATER-BI is the result of a series of proprietary and pioneering technologies in the field of starches, vegetable oils, and their combinations. It is produced through an integrated supply chain involving three Italian production sites that, in line with our circular bioeconomy model, have been regenerated into innovative biorefineries for bioproducts.

All MATER-BI grades are certified by recognized certification bodies according to the main European and international standards. With a **renewable content** of **up to 100%**, MATER-BI offers properties and performance comparable to conventional plastics, while being **biodegradable and compostable** in compliance with the European standard **UNI EN 13432** ("Requirements for packaging recoverable through composting and biodegradation. Test scheme and evaluation criteria for the final acceptance of packaging")—the key technical reference for compostable material producers, public authorities, composting facilities, certification bodies, and consumers.

Thanks to its **biodegradability and compostability**, MATER-BI supports the optimization of organic waste management and contributes to the development of sustainable systems with environmental benefits throughout the entire production–consumption–disposal cycle.

Sectors of application

MATER-BI products are used across a wide range of sectors, offering unique solutions to specific environmental challenges. Discover more

Application technologies

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We work closely with our customers through a partnership-based approach to ensure high-quality standards for MATER-BI products. This collaboration supports continuous improvement in both performance and environmental impact.

Discover more >

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