



LAB Extruder



RAM.

INTREC - LABEtruder

LABEtruder is essential for refining material quality through its grades, gel analysis, opacity, thickness measurements, and MFI. It boasts a high-resolution gel analysis system delivering a standard 50 µm precision, with the option for finer resolutions upon request. Interacting with the system is made easy with its 19" touchscreen, supported by a 1 Tbyte SSD storage that can be expanded if necessary. This is complemented by a robust connectivity suite, including Ethernet, 4-20 mA, 0-10 V, and more.

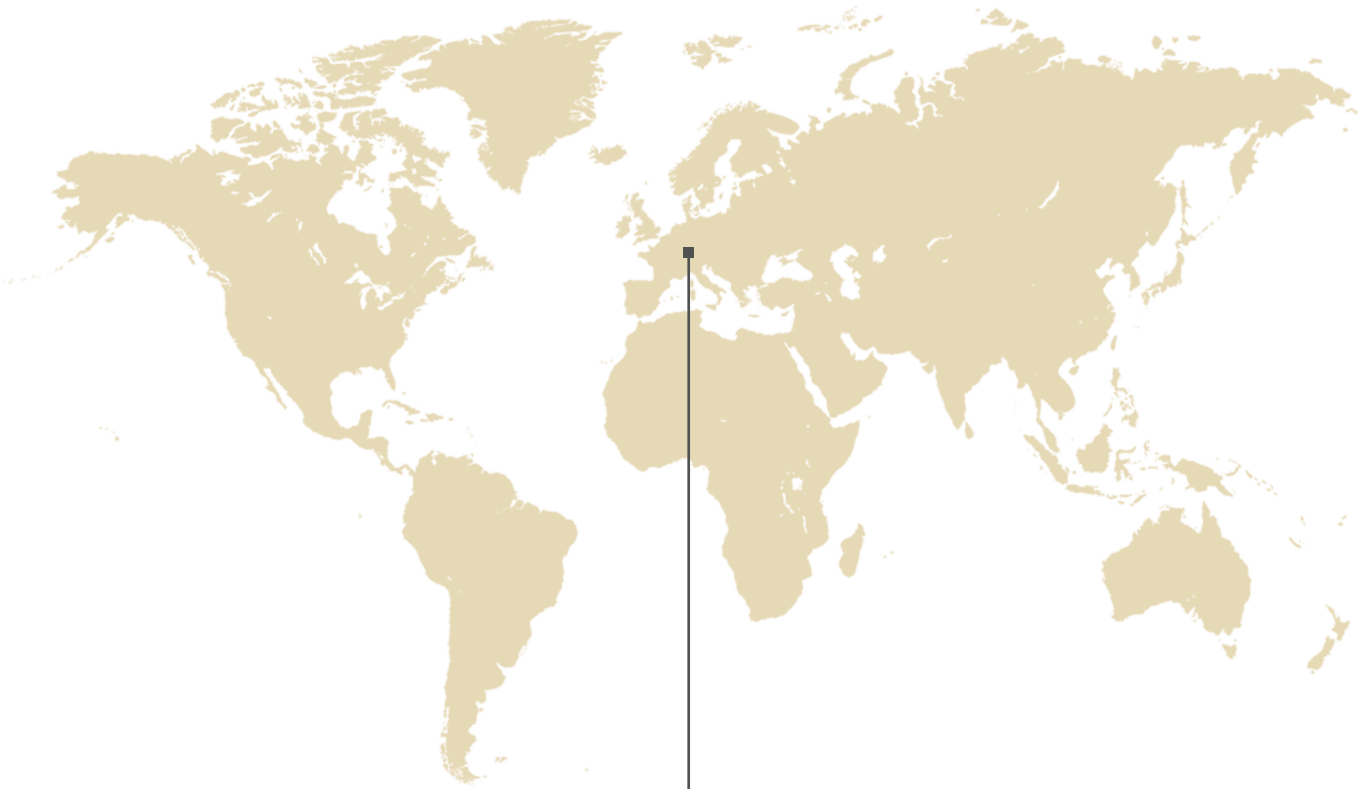
Integrated software capabilities enhance its utility. The CAMEN Software 14.xx offers an SQL data-based platform with features like controlled conveyor auto-filling and precise bubble size control. Plast PMS focuses on statistical analysis, centralizing operations, and providing valuable insights into gel distribution. Furthermore, AIRec (Artificial Intelligent Recycling IIoT4.0) integrates predictive control and maintenance of the recycling line, emphasizing carbon analysis and energy management.

The machine's advanced features include ultrasonic sensors for automatic bubble size adjustments, safety locks, and temperature-controlled zones to ensure operational safety. It can process up to 2.5 Kg/h of recycling material and is versatile, supporting various layer widths and thicknesses. It's also highly compatible with all PE types, including LDPE, HDPE, and LLDPE.

Its design is both compact, with dimensions of 1,850 mm x 720 mm x 2,000 mm, and optimal for quick integration into recycling lines. Customization is a breeze, offering adjustable gel classes, alarms, and analyzing areas. It is designed for testing mixed materials, ensuring quality assessments in varied concentrations.

Options

- Customized program tailored for customer production integration, focusing on granule load control.
- vSTAT - Visual statistical analysis tool for gel data and production data.
- Interface for external APPs. Control system status and quality online via iPad, iPhone, tablet, and more.
- High-speed CPU equipped with 64 GByte RAM and 4 TByte SSD, designed for plastPMS (Plastic Production Monitoring System) and AIRec® software integration (IIoT 4.0, Artificial RECYcling).
- PlastPMS® software.
- AIRec® software.
- Software interface compatible with existing recycling lines, facilitating data acquisition and optimization.
- Opacity measurement - Note: Thickness sensor required for auto-correction.



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