

COMPLETE MINERAL MASTERBATCH PRODUCTION LINE – PELLETIZING PROCESS

High-concentration mineral masterbatch • Turnkey industrial installation • Spain

ASKING PRICE: XX.XXX + VAT | COMPLETE LINE ONLY

A complete production solution

Complete industrial installation designed for the production of highly concentrated mineral masterbatch. The line integrates raw-material handling, weighing/dosing, high-speed mixing, conveying, pelletizing, screening and bagging in a single coordinated system. The equipment is offered as one complete lot, dismantled and available for relocation.

Capacity	Operating hours	Mixer	Pelletizer	Automation	Power supply
Approx. 750–850 kg/h*	Maximum 490 h	500 L / 300 L useful / 75 kW	350 mm / 37 kW	Siemens S7-1200 PLC	Includes 200 kVA Perkins generator

Integrated process

RAW MATERIAL FEEDING → AUTOMATIC WEIGHING/DOSING → HIGH-SPEED MIXING → TRANSFER → PELLETIZING → SCREENING → BAGGING

Why this line is attractive

- Complete and integrated: avoids the engineering and integration work involved in sourcing the equipment individually.
- Very low operating hours: maximum recorded operating time is 490 h.
- Industrial-scale mixing: 500 L mixer with 75 kW drive and variable-speed control.
- Automated dosing and control: Siemens S7-1200 PLC architecture with weighing and recipe-management functions.
- Relocatable asset: installation is offered dismantled, making it suitable for transfer to another industrial site.

*Capacity is an approximate figure based on the installation configuration and intended application; actual throughput depends on formulation, operating conditions and product specification.

TECHNICAL CONFIGURATION

Main equipment included in the complete lot

SECTION	EQUIPMENT / SPECIFICATION
Feeding & dosing	Big-bag discharge hopper 1.5 m³; 2 t electric hoist; vacuum conveying system with 15 kW pump; 500 L raw-material hopper with Mettler Toledo load cells; additive hopper.
High-shear mixing	Vertical high-speed/high-shear mixer, 500 L (300 L useful), stainless steel, heating/cooling jacket, two temperature probes, 75 kW motor with variable-speed drive.
Material transfer	Mixer discharge hopper 400 L; screw conveyors; Z conveyor; flat conveyor; intermediate conveying equipment.
Pelletizing & screening	350 mm pelletizer with two rotating rollers, 37 kW and self-lubrication; 1,000 mm diameter three-cut screening unit.
Bagging	Manual open-mouth bagging machine with 1 m³ hopper and discharge conveyor.
Dust extraction	24 m² cartridge dust collector with 4 kW fan, plus vacuum-hopper filtration system.
Electrical & control	Automated electrical cabinet with Siemens S7-1200 PLC; recipe management, monitoring and alarm functions.
Utilities	5.5 kW ABAC compressor and 200 kVA Perkins generator (490 h).

Principal equipment data

High-speed mixer	500 L total / 300 L useful; 75 kW; variable-speed drive; heating/cooling jacket; 2 temperature probes
Pelletizer	350 mm; 2 rotating rollers; 37 kW; automatic lubrication
Raw-material weighing	500 L stainless-steel hopper; 3 Mettler Toledo load cells
Vacuum conveying	15 kW pump / negative-pressure conveying system
Screening	1,000 mm diameter; 3 cuts; 2.2 kW
Dust extraction	24 m² cartridge filter; 4 kW fan
Electrical control	Siemens S7-1200 PLC; automated control cabinet
Generator	200 kVA Perkins; 490 h

COMMERCIAL CONDITIONS

Sale: complete line only. Individual equipment sales are not being considered during the initial sale period.

Status: dismantled / available for relocation.

Price: € XX.XXX + VAT

Location: Campo Real, Madrid, Spain.

Inspection: technical inspection can be arranged for qualified buyers.