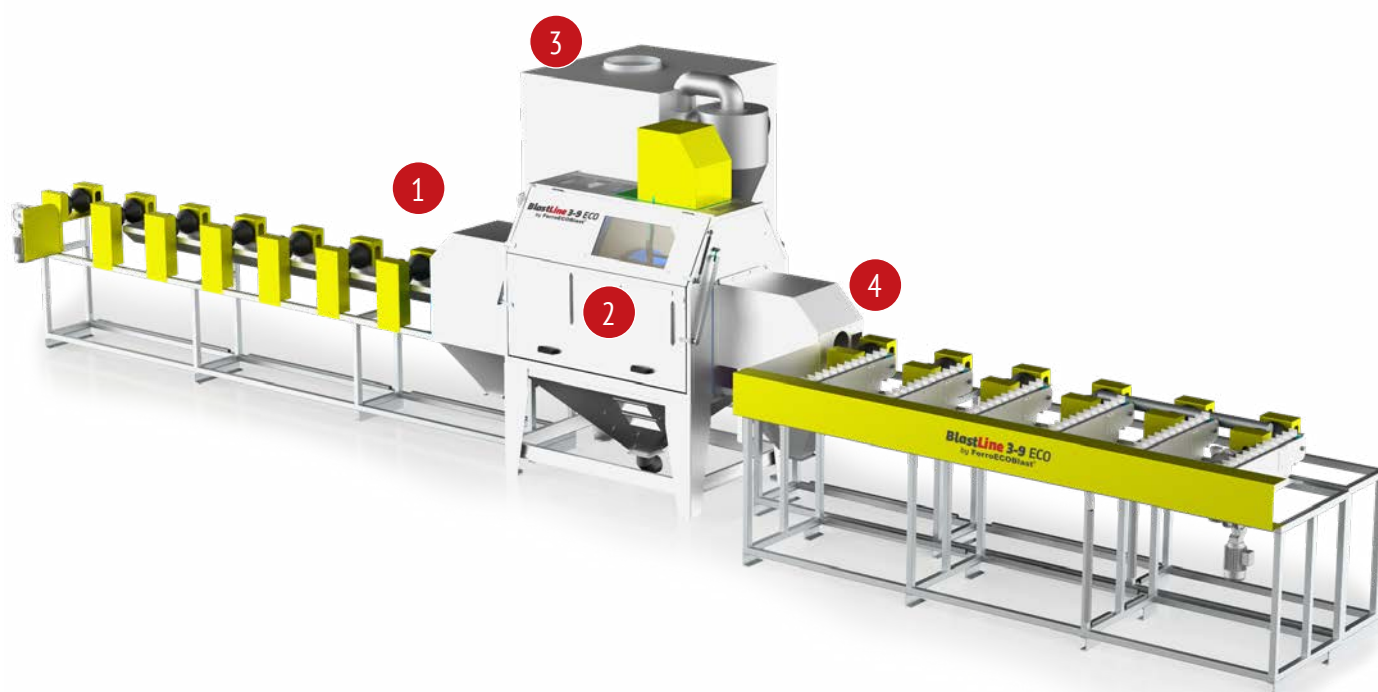


BLASTLINE THROUGH-FEED BLASTING SYSTEM

High-performance surface treatment for tubes, bars & profiles.

The BlastLine series machines are designed for continuous, unattended blasting of long profiles, tubes, bars, or structural parts. These systems are built for high-volume industrial production, integrating precision-controlled blasting with automated transport, ensuring uniform surface preparation with minimal labor requirements.

Whether used for aluminum extrusion prep, coating removal, or industrial part finishing, these machines provide repeatable quality, high blasting efficiency, and low abrasive consumption thanks to their advanced media recycling and filtration system.



Full Automation

Continuous blasting without operator presence via motorized conveyor and PLC.



Multi-Nozzle Manipulation

Top and side blasting with nozzle movement across multiple axes.



Media Recycling & Filtration

Air-wash and sieving systems separate reusable abrasive for low-cost operation.



Durable Construction

Heavy-duty steel build with manganese liners and anti-abrasive rubber protection.

How it works

1. Loading

Workpieces such as tubes, profiles, or bars are loaded onto a motorized conveyor system. This can be done manually or with automation. Safety sensors monitor the position and status of incoming parts.
2. Program Selection

Operators select pre-defined blasting programs. Each program controls conveyor speed, nozzle movement, media flow rate, and cycle duration. Multiple parameter sets can be saved and recalled for different parts.
3. Blasting Process

As the part enters the cabinet, it passes through one or more rings of injector blast nozzles positioned on servo-driven manipulators. These nozzles blast from the top and sides, automatically adjusting to the geometry of the part. Oscillating rings ensure full 360° coverage for tubular workpieces.
4. Cleaning and Media Recycling

Upon exiting the blasting chamber, integrated blow-off nozzles clean residual abrasive from the part. The abrasive is collected in a waffle-type hopper, cleaned via cyclone and sieving system, and then returned to the generator for reuse.
5. Unloading

Blasted parts exit the machine via the conveyor. Depending on configuration, finished parts may be returned to the operator’s position for one-side operation or forwarded to the next production step.

Specification BLASTLINE

* Please note: This is a sample specification. Each machine is custom-made, so the data may vary based on specific requirements and purposes.

	BLASTLINE 3-9 ECO	BLASTLINE 10 INJ ECO	BLASTLINE 12 INJ ECO
Chamber Size (LxWxH mm)	1800 × 1800 × 1500	2500 × 2500 × 2200	1500 × 1500 × 2200
Workpiece Type	Tubes & Profiles	Tubes & Profiles	Tubes & Profiles
No. of Blasting Guns	9	10	12
Nozzle Manipulators	2 rings (oscillating)	1-axis manipulator	2-axis + 1-axis
Nozzle Manipulators	Oscillating ring	Horizontal X-axis	Dual-axis (X, Y)
Conveyor Type	Motorized rollers, 2x4m	Motorized rollers	Motorized rollers
Control Interface	FerroSmartPanel (PLC HMI)	FerroSmartPanel (PLC HMI)	FerroSmartPanel (PLC HMI)
Abrasive Type	AlOx F100 / F120	Glass Grits	AlOx F180
Media Recovery	Cyclone + Vibratory Sieving	Cyclone + Vibratory Sieving	Cyclone + Vibratory Sieving
Filter Unit	CENTRO 4/6 ECO-500	CENTRO 4/6-700	CENTRO 4/6-700
Air Consumption (Nm³/min @ bar)	~12 @ 6.0	9.5–11 @ 6.0	15–18 @ 6.0
Power Supply (kW)	6.0	14.0	14.0
Pressure Supply Conn.	1 ¼"	2"	2"
Operation Mode	Fully Automatic	Fully Automatic	Fully Automatic
Optional Manual Station	•	o	•

• - standard | o - optional | x - not available