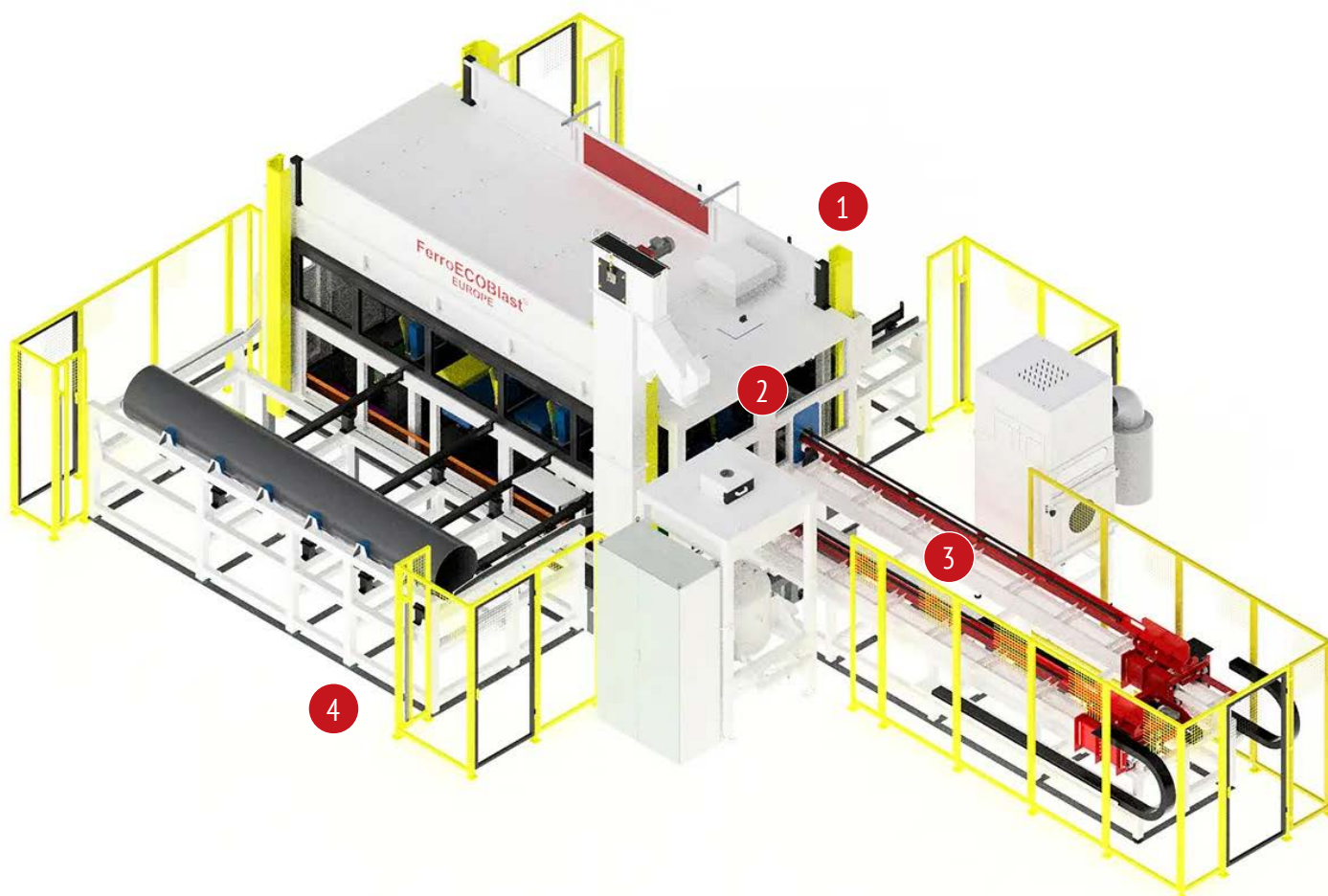


PIPEBLAST BLASTING SYSTEM

For internal and external surface preparation of pipes and tubes.

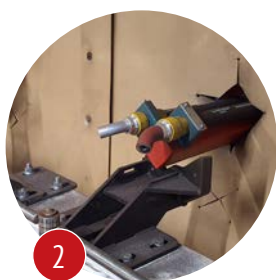
The Pipeblast series offers fully automated and semi-automated blasting systems for the internal treatment of industrial pipes, delivering consistent SA 2.5–3 cleaning grades. Each solution ensures thorough internal surface preparation essential for high-performance coatings and industrial longevity.

Machines are designed for pipe diameters from **Ø40 to Ø640 mm** and lengths from **300 mm to 12 meters** or more if requested. Integrated PLC control, automated nozzle drives, and synchronized loading/unloading systems ensure 24/7 operation with minimal manual input.



Automated Pipe Loading Ramp

Pipes loaded from forklift or conveyor and load them onto support fixtures.



Servo-Driven Manipulator

Precise internal lance moves axially through the pipe for full 360° internal coverage.



Adjustable Roller Fixtures

Pipes are clamped and rotated to match diameter and blasting pattern.



Automated Unloading Station

finished pipes are ejected to a soft-end ramp or exit track, ready for next operations.

How it works

1. Pipe Loading

Pipes are manually or automatically loaded onto a V-shaped support ramp or roller bed. Pneumatic or motorized levers guide them into position within the blast cabinet. The pipe is then clamped between rotating supports, which are height-adjustable to ensure coaxial alignment with the blasting lance.

2. Program Selection

The operator selects a pre-set blasting recipe from the HMI touchscreen, depending on pipe diameter, length, and coating requirements. This automatically adjusts the lance position, blasting pressure, pipe rotation speed, and lance travel stroke. Parameters are stored and can be recalled for repeatable cycles.

3. Blasting Cycle

Once initiated, the internal lance (fitted with a 360° or rotary nozzle) moves axially through the pipe. Simultaneously, the pipe rotates to ensure even abrasive coverage across its entire inner circumference. In advanced systems, external nozzles also operate concurrently for full OD cleaning. Blasting speed and lance return rate are servo-controlled for consistent finish.

4. Blow-Off and Unloading

After blasting, the lance activates a high-pressure air blow-off cycle to remove residual abrasive and dust. The pipe is then released from its clamps and automatically guided to the unloading ramp or roller track for easy removal and reloading.

Specification PIPEBLAST

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

	PIPEBLAST 40/85 ECO	PIPEBLAST 1500 ECO	PIPEBLAST 80/500 ECO
Pipe Ø Range (L x W x H mm)	40–85	80–150	80–500
Max. Pipe Length (mm)	2000	1500	4000
Nozzle Type	1x Lance + 1x Manual	1x Horizontal Axis	2x Internal + 2x External
Pipe Rotation	•	•	•
Nozzle Travel (Auto)	•	•	•
Manual Blasting Mode	•	•	x
Filter Unit	CENTRO 4/4 ECO 500	CENTRO 4/4 ECO 500	CENTRO 4/4 ECO 500
Loading/Unloading Ramp	o	x	•
Control Interface (HMI)	•	•	•
Program Memory	•	•	•
Pneumatic Doors	•	•	•
Full Recycling System	•	•	•
Air Consumption (Nm³/min)	6–8	2.5	6–8
Electric Power Supply (kW)	7.6	5.0	7.6
Pressure Connection	2"	1¼"	2"

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