

LAZZATI S.p.A.

BROCHURE

The Hydrostatic Boring Mill — LO&M Service Program (*LAZZATI Operation & Maintenance*)

Why global support is designed into every LAZZATI machine — not added when something breaks

The Hydrostatic Boring Mill

Engineered to last. Built to perform.

Hydrostatic excellence since 1939

LAZZATI S.p.A. — Via Rugareto 7, 20027 Rescaldina (MI), Italy

lazzati@lazzati.eu | +39 0331 465200 | www.lazzati.eu

Edition 2026

The Hydrostatic Boring Mill – We Boost Your Profits!

THE PRINCIPLE: SERVICE AS ARCHITECTURE, NOT AS PROMISE

A machine that doesn't wear is a machine that doesn't wait

There are companies that sell a machine and then sell support around it. LAZZATI does not. Service, for LAZZATI, is not something added after the sale — it is a direct consequence of how the machine is built.

The LHS (LAZZATI Hydrostatic System) eliminates metal-to-metal contact on every axis. No contact means no guideway wear — the single largest source of unplanned intervention on conventional machines simply does not exist on a LAZZATI. Less wear means fewer urgent interventions. Fewer urgent interventions means less dependence on how far the nearest technician happens to be.

What it means, in practice

This is the same principle behind "The Hydrostatic Boring Mill": whatever is not necessary should not be there. Applied to service, it means LAZZATI does not build a support structure to compensate for a fragile machine — it builds a machine that structurally reduces the need for support, and a service program designed around that reality.

THE PROGRAM: PREDICTABLE, NOT REACTIVE

Maintenance measured on what matters

LAZZATI maintenance is based on spindle rotation time, not on hours the machine has simply been powered on. Oil is changed only when its condition requires it, not on a fixed calendar. ALC (Automatic Level Check) alerts the operator only when geometry or leveling genuinely drifts out of tolerance — eliminating unnecessary recalibration cycles. The result is a maintenance plan built on real machine condition, not on arbitrary intervals: customers know what will happen and when, instead of reacting to failures.

Two levels, one logic

- **LO&M 1000** — the continuous optimization check. At every 1,000 hours of spindle rotation, LAZZATI verifies spindle rotation parameters and axis loads, inspects main mechanical components, checks and replaces wear parts, runs dynamic performance testing, and compares current data against original commissioning values.
- **LO&M 2000** — the deep protection check. At every 2,000 hours of spindle rotation, the inspection goes further: full assessment of the hydrostatic system and oil quality, plus

verification and, where needed, replacement of the Y-axis counterbalance system's mechanical components (chains and bearings). This is the level where the machine's structural core — not only its wear parts — is fully verified.

Intelligence behind the checks

The LHI 5.0 interface puts tutorials, manuals and maintenance schedules directly on the control panel, accessible from the machine itself. LIA 1.0 — the LAZZATI Intelligent Assistant — analyzes machine behavior in real time and suggests usage and maintenance strategies before an issue becomes downtime. ALC works in direct synergy with LIA 1.0, turning geometric monitoring into an automated, selective alert rather than a routine manual check.

Machine protection does not stop at scheduled maintenance. OCM (LAZZATI Collision Monitoring) operates independently, detecting abnormal forces and stopping the machine in 1/100 of a second — protecting structure and spindle even during unmanned shifts. LFC (LAZZATI Feed Control) actively manages cutting forces during machining, reducing tool wear and protecting surface quality in real time.

THE NETWORK: SUPPORT WITHOUT BORDERS

Distance is a logistics problem. LAZZATI designed it out of the equation.

Every new LAZZATI machine is equipped, as standard, with LRD — LAZZATI Remote Diagnosis. A dedicated industrial gateway gives LAZZATI technicians direct, secure access to machine parameters, logs and diagnostics — independently from the customer's office network. Remote diagnosis does not depend on how far the machine is from Rescaldina: it depends on the connection, which is designed in from the start.

Protecting machines already in the field

Customers with machines installed before this architecture became standard are not left behind. LAZZATI offers a dedicated upgrade path that brings existing machines onto the same segregated, industrial-grade remote diagnosis platform — extending the same Teleservice continuity to machines already in operation, whatever their age. The investment a customer already made keeps gaining protection over time, not losing it.

A network built around the machine, not around geography

Behind the digital connection is a global network of LAZZATI-trained technicians and certified original spare parts, coordinated to respond wherever a LAZZATI machine operates.



LAZZATI S.p.A.
Capitale Sociale € 200.000,00
C.F. e P.IVA 00689240158
Registro Imprese di Milano n°39684
REA n°282191 – C.C.I.A.A. di Milano
S.L.: V.le M. Santo, 1/3 20124 Milano

Operations and Offices:
Via Rugareto, 7
20027 Rescaldina (MI) Italy
Tel: +39-0331-465.200
Web Site:
<http://www.lazzati.eu>
e-mail: lazzati@lazzati.eu



Preventive maintenance, predictive diagnostics and rapid intervention are coordinated as one continuous service — not as separate departments a customer has to navigate.

CONCLUSION:

Since 1939, LAZZATI has built machines designed to need less. The same principle now defines how they are supported: predictable, remote-capable, and available wherever the machine is.

Engineered to last. Built to perform.

The Hydrostatic Boring Mill – We Boost Your Profits!