

CHARGE CORRECTION ADD-ON

QUALITY DEVIATION ANALYSIS & RESOLUTION

CHARGE CORRECTION ADD-ON

➤ Decision Quality (Why it matters?)

- Enables fact-based, quality-driven decision-making
- Transforms laboratory results into actionable melt correction insights

➤ Operation Excellence (How it works?)

- Unique in the market: fully integrated LIMS-to-melt correction workflow
- Delivers cost-optimized melt correction guidance via FRP®.melt
- Significantly shortens time to achieve in-spec batches

➤ Cost & Performance Impact (What you gain?)

- Reduces scrap, rework, and correction-related costs
- Improves first-time-right production and yield

➤ Investment Case (Why now?)

- Cost-effective add-on with fast ROI and minimal implementation effort

WHAT IS CHARGE CORRECTION ADD-ON?

The [FP]-LIMS Charge Correction Add-On provides a fully integrated workflow for correcting melt or batch compositions when spectral analysis results deviate from defined quality limits.

Once an out-of-spec condition is identified—either **automatically via configurable rules** or **manually from the analysis list**—[FP]-LIMS seamlessly transfers all relevant data to the connected FRP®.melt calculation engine.

This includes:

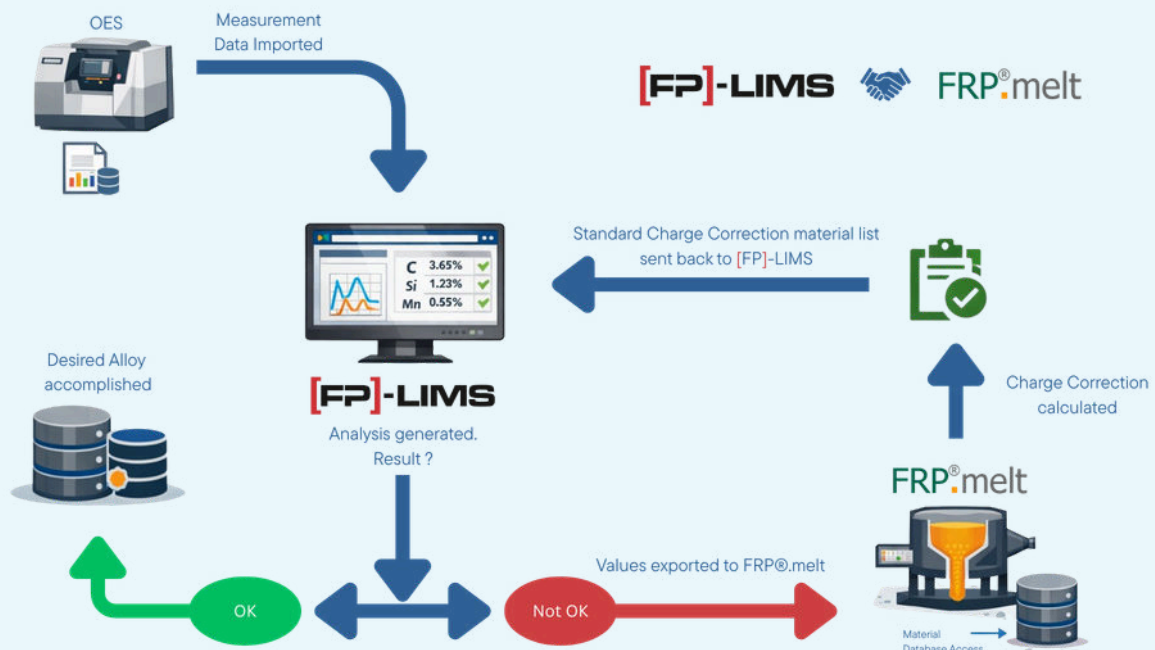
- measured analysis results,
- target specifications,
- available addition materials, and
- key production parameters such as current fill level and furnace capacity.

Using this information, FRP®.melt calculates a **cost-optimized correction recommendation**, precisely defining the **materials and quantities required** to bring the melt back into specification.

The calculated correction is then returned directly to [FP]-LIMS as a dedicated correction analysis, providing:

- a clear before-and-after comparison of chemical values,
- complete status and traceability tracking, and
- transparent, auditable documentation for quality, compliance, and continuous improvement.

CHARGE CORRECTION PROCEDURE



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