

LaCam® Software Solutions – LaCam® 3D Software

LaCam® 3D software: from laser data to full digital vessel intelligence.

The 5th-generation LaCam® 3D software suite transforms high-resolution data streams from LaCam® laser scanners into a complete virtual 3D inspection of steelmaking vessels.

LaCam® 3D visualizes:

- Refractory lining wear and wear rates
- Vessel volumes and deformation
- Brick consumption trends and campaign life predictions

Beyond geometric data, each measured point also includes:

- Absorption and reflection values which allows to assess surface conditions
- Absolute temperatures of all vessel areas
- Secondary information such as bath level for accurate freeboard determination

These insights allow operators to maximize vessel lifetime, optimize gunning mix consumption through area-specific maintenance, and make data-driven operational decisions.

LaCam® 3D turns measurement into actionable insights, supporting safer operations, longer campaigns, and optimized steel production.

#Steelmaking #Digitalization #IndustrialAI #LaCam #MINTEQ

