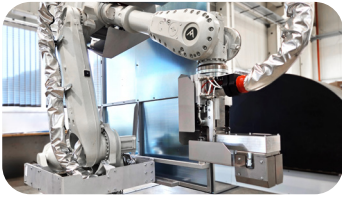


TECHNOLOGY HIGHLIGHTS

DISCOVER NEW POSSIBILITIES FOR YOUR PRODUCTION



AUTOMATION

Product Identification: Innovative laser and paint marking systems mark steel products ranging from billets and profiles to slabs and coils. Both robotic and conventional systems integrate this process directly into the production flow, ensuring unique identification and traceability.



INSPECTION

Rail Inspection: Our automated rail testing line awaits you directly on-site. The testing line checks the dimensional accuracy of the rails, enables reliable detection of irregularities using ultrasonic, eddy current, and surface inspection, and tags their positions in the marking unit.

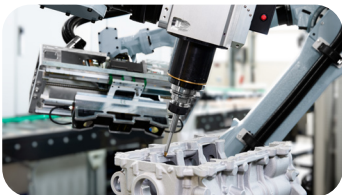


2D/3D Component Inspection: Learn how to automatically inspect the dimensions and surfaces of cast and forged parts, both hot and cold. The high-precision sensors capture geometric features and detect porosities, cracks, and other surface defects on raw and machined components made of steel, iron, and aluminum.



MEASUREMENT

End-of-Line Measurement Systems: Our optical inspection cells inspect components such as crankshafts, piston rods, bearing shells, and brake cylinders directly in the production flow. A special highlight: See firsthand how aluminum wheels pass through the modular testing machine in mixed operation while all critical features are evaluated.



PROCESSING

Adaptive Deburring: Each casting is measured three-dimensionally, creating a customized machining program from the gathered measurement data. Watch the 3D scan in real time on the screen and see how the toolpath automatically adjusts to geometric deviations and part tolerances.



Flexible Sprue Drilling: The viewing windows allow for a great view of the automatic machining of sprues on aluminum wheels. The drilling process helps minimize material stress, distortion, and crack formation. Thanks to intelligent wheel recognition and automatic tool change, the production of different wheel types runs flexibly and without interruption in the production flow.



Torch Cutting: Oxy-fuel torch cutting can be observed from a safe position inside the test room. The live demonstration provides insights into the cutting process and the functionality of the torch technology – from heating the material to the actual separation process.



Vertical Turning Lathes: Learn more about our broad portfolio of Internato CNC vertical lathes. The range of applications extends from machining aluminum and railway wheels to large rotationally symmetrical components from a wide variety of industries and applications. The high-performance lathes are capable to handle workpieces with diameters of up to six meters.