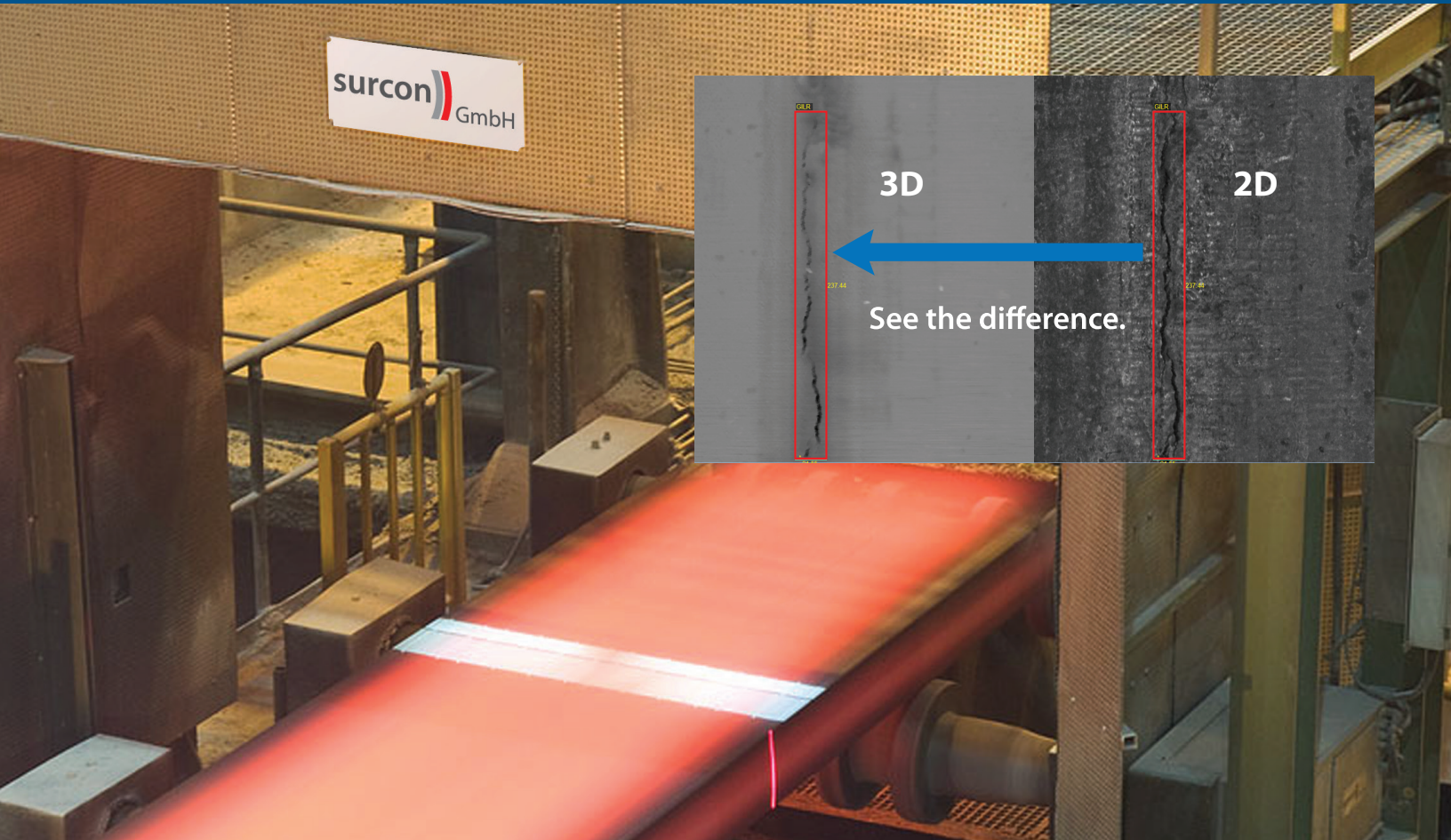




WORLD MARKET LEADER IN MEASURING SYSTEMS

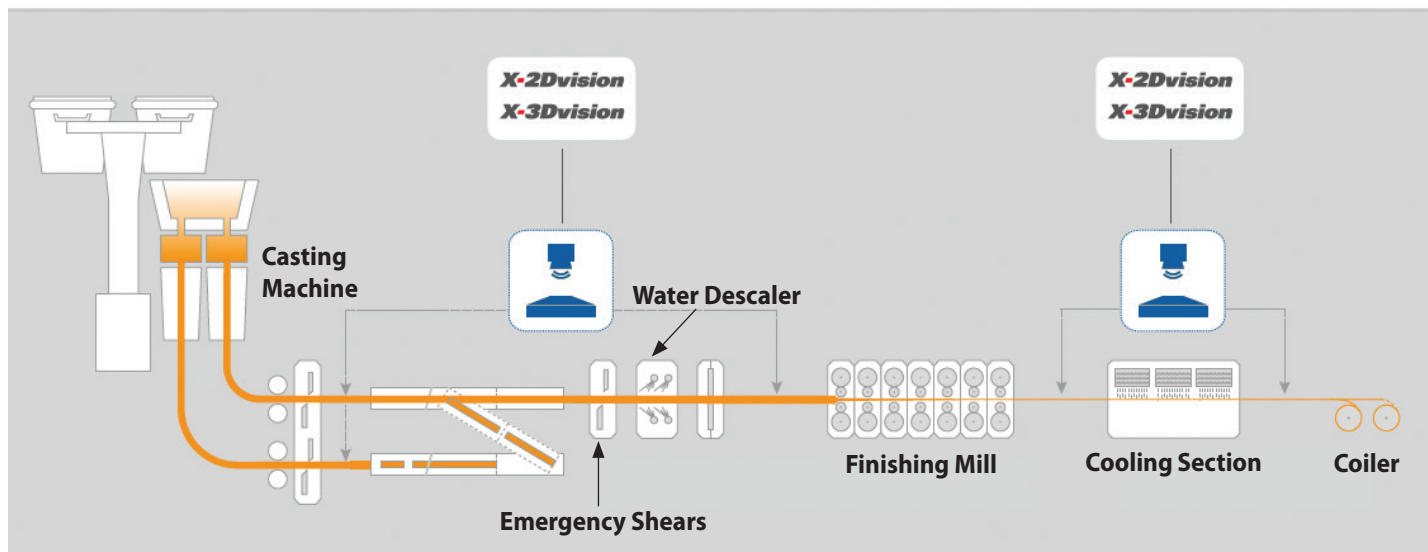


Innovative Technology for High Precision 2D/3D Surface Inspection

Slab • Heavy Plate • Hot & Cold Strip

EDGES • TOP/BOTTOM

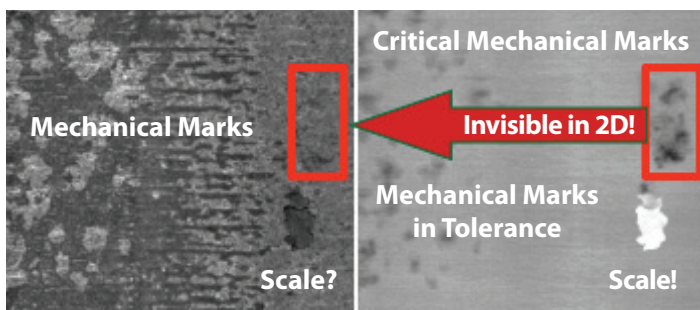
Taking Precision Measurement to New Heights



surcon X-3Dvision and X-2Dvision inspection systems may be situated at one or more points of a continuous casting mill (pictured) or rolling mill.

For the most exact, real-time 3D surface readings of continuous castings and 2D measurements of rolling operations, put surcon gauges to work. Our technology helps hot & cold mills:

- > Track Surface Defects (Cracks, Inclusions, Impressions, Oscillation Marks) at Every Stage of Production & Under the Harshesht Conditions
- > Quantify the Severity of Defects
- > Determine Rework Options
- > Produce Quality Slab & Strip by Integrating surcon Technologies with Fully-Automated MEVInet Quality Management System
- > Document & Store All Defect-Specific in MEVInet Database



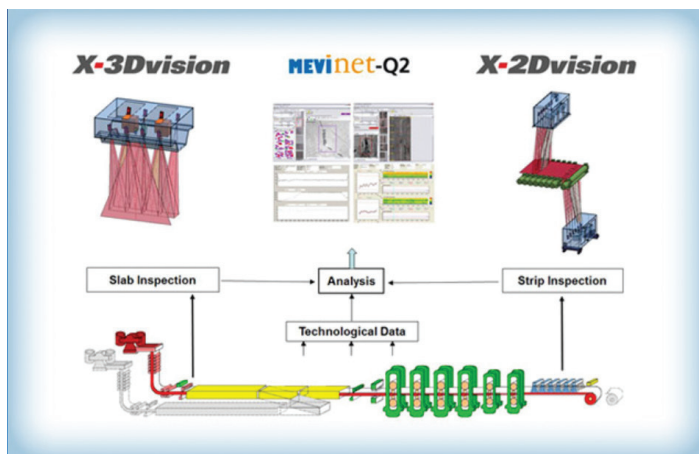
X-2D Vision X-3D Vision

A 3D inspection of the material surface's height topology detects the depth of the defect, but the flaw remains hidden in a traditional 2D inspection.

Taken from a combination of the words "surface" and "control," surcon is a joint venture that IMS and SMS-Siemag established in 2009. surcon inspection systems are highly compact, and their graphic user interfaces make them easy to integrate with casting and rolling operations.

Technology Overview

		Slab X-3Dvision	Heavy Plate X-3Dvision	Hot Strip X-2Dvision	Cold Strip X-2Dvision
Inspection & Measurement Results	Inspection Results				
	2D surcon	✓	✓	✓	✓
	3D surcon	✓	✓	—	—
	Measurement Results				
	Width	✓	✓	✓	✓
	Length	✓	✓	✓	✓
	Volume/Weight	✓	✓	—	—
	Thickness	✓	✓	—	—
	Thickness Profile	✓	✓	—	—
Edge Profile	✓	✓	—	—	
Required Hardware	Line Scan Cameras	—	—	✓	✓
	Area Scan Cameras	✓	✓	✓	—
	LED Illumination	—	—	✓	✓
	Laser Illumination	✓	✓	—	—
Recommended Software	OnlineView Video Streaming	✓	✓	✓	✓
	MEVInet-Q Integration	✓	✓	✓	✓
	MEVInet-QDS Interface	✓	✓	✓	✓



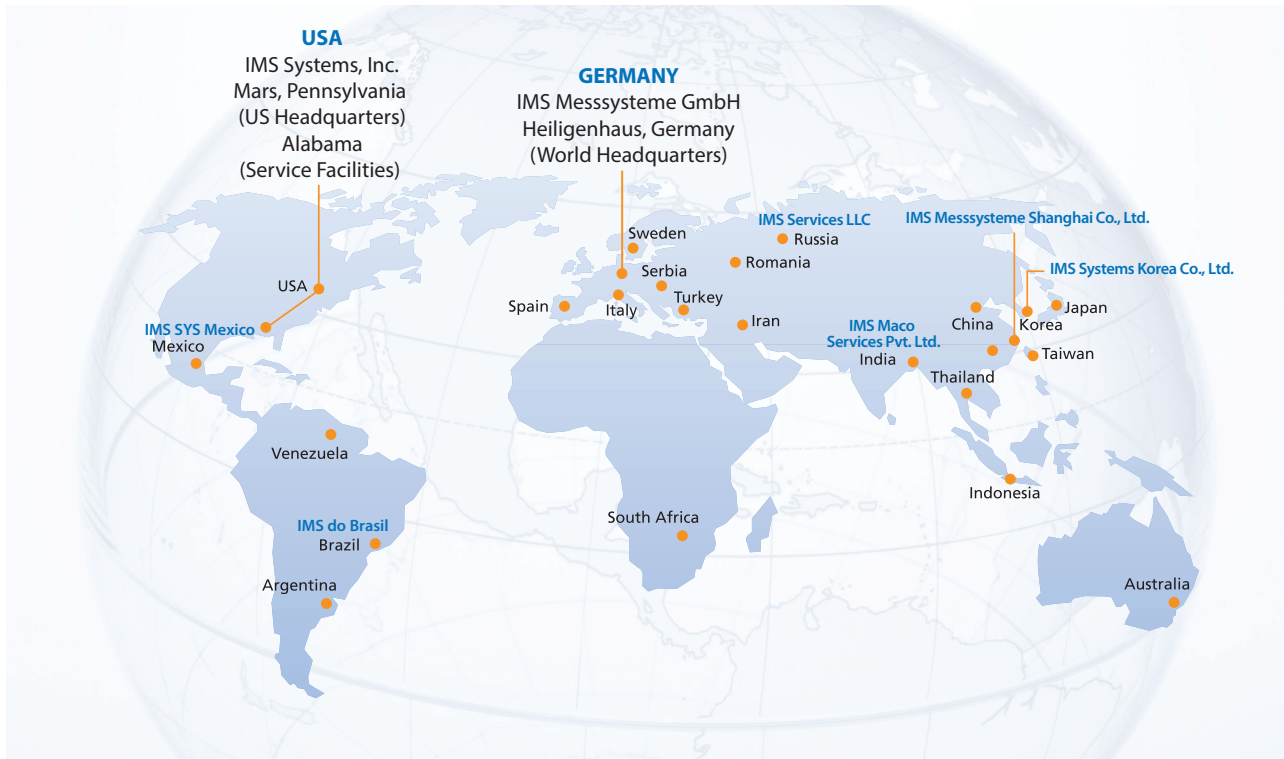
surcon X-3Dvision and X-2Dvision technology inspect slab or strip and combine with MEVInet-Q Quality Data Management System to store data for future production runs.

Optimizing Product Quality in All Processing Environments

MEVInet-Q quality data management solutions offer many advantages, including:

- > Storage of Production Data in Single, Easy-to-Use Location
- > Optimizes Process Efficiency
- > Allows Production Team to Monitor Product Quality in Real Time

The Global Footprint of IMS Systems



Measurements You Can Trust. Technology You Can Depend On.

IMS is a leading manufacturer of non-contact optical, x-ray and isotope measuring systems that gauge height, width, depth, profile, flatness, length, thickness, coating weight and other characteristics of hot and cold, ferrous and non-ferrous products. We operate a sales, service and production facility at our North American headquarters in Mars, PA, near Pittsburgh. We also offer gauge training and repair courses at that location. Our Southeastern Service Center, near Mobile, AL, helps customers operate and maintain their gauges in ways that optimize accuracy and productivity.

The company was founded in 1980 in Heiligenhuas, Germany, near Düsseldorf. IMS established a U.S. presence in 2000 to take advantage of market opportunities throughout the United States and Canada.



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