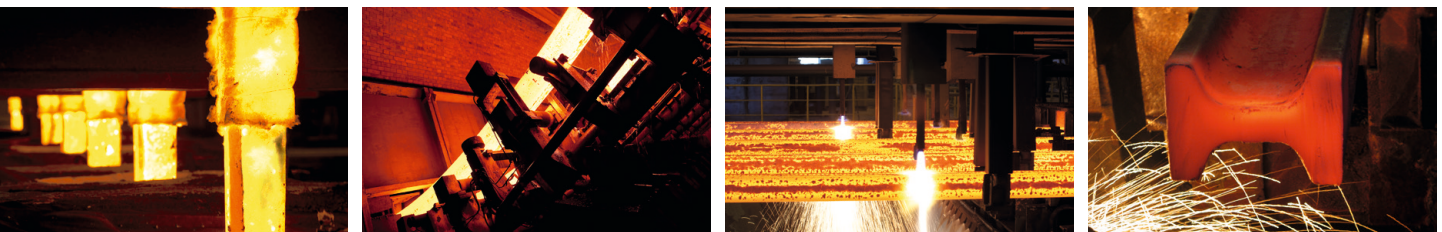
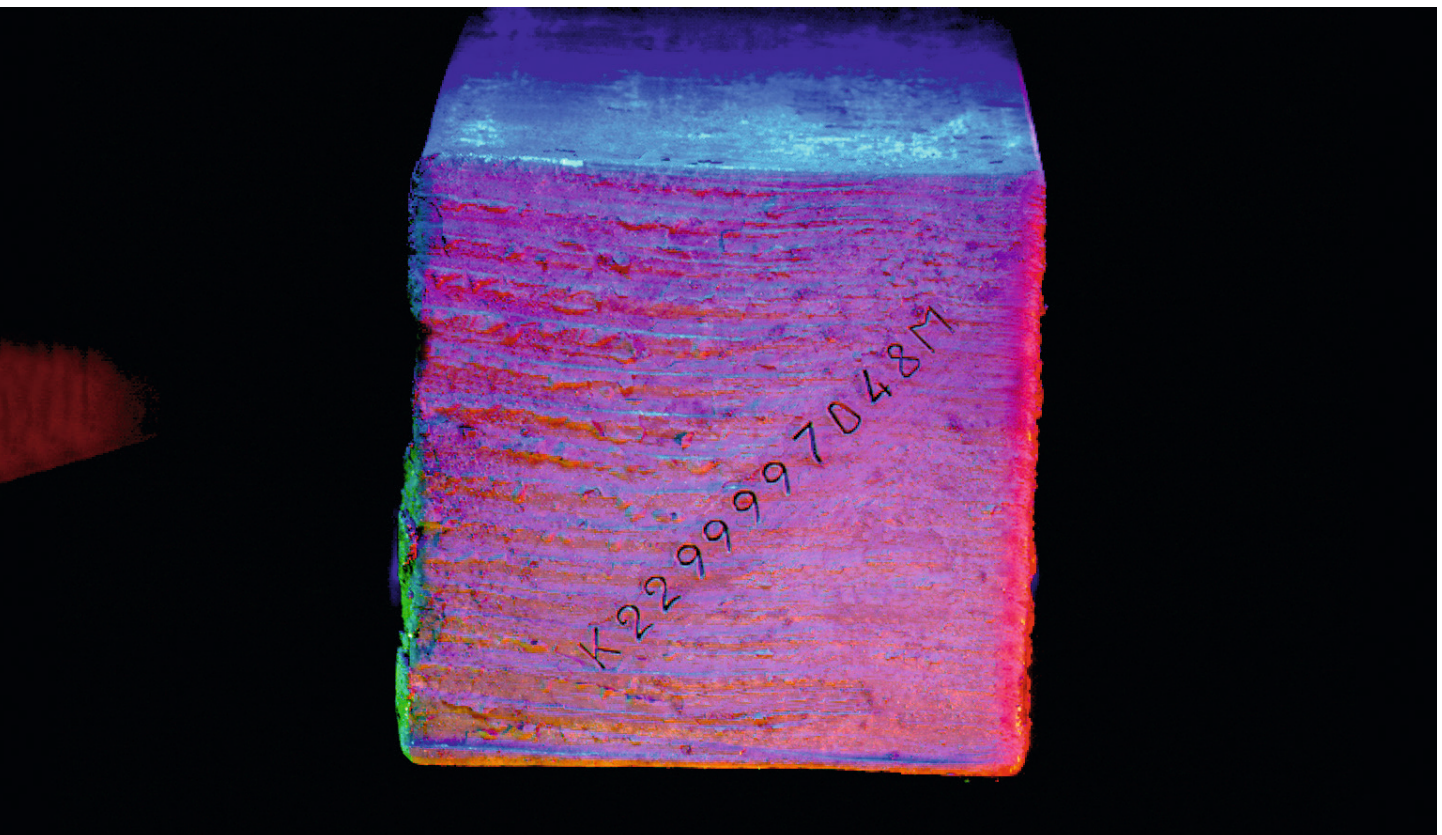


CONREAD

OPTICAL PRODUCT RECOGNITION

Track your products seamlessly, from caster to customer



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CONREAD

OPTICAL PRODUCT RECOGNITION

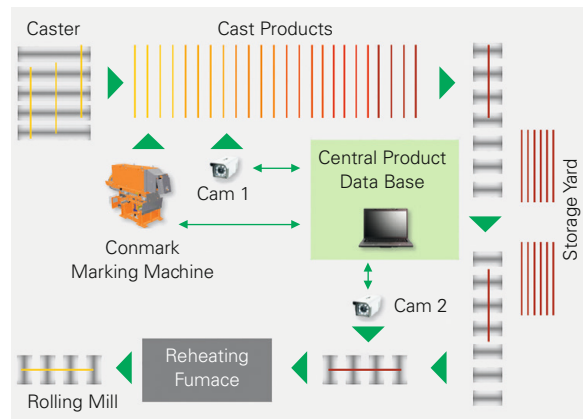
Track your products seamlessly, from caster to customer

Product tracking is part of modern steel production. Steelmakers supplying the machine tool or automotive industries, among others, face stringent quality requirements. Delivery mix-ups simply cannot be tolerated and their consequences for the steelmaker can be costly. CONREAD tracks every product you make, assuring flawless deliveries every time.

Application

CONREAD is SMS Concast's proven optical product tracking system to detect, read and verify marking codes on cast products, both stamped-in and attached labels.

- To acquire images of the marking code, CONREAD uses a high-resolution industrial camera and a specialized lighting scheme
- The images are then processed by CONREAD's proprietary product-tracking algorithm
- CONREAD is usually installed as web-based application, supporting a historical database
- CONREAD works in any steel plant; it can track billets, blooms or beam blanks



CONREAD is often installed at the cooling bed and at the rolling mill entrance

Ease of Use and Maintenance

- Every installation is tuned on-site to maximize performance
- CONREAD is a self-contained system requiring only one data connection to be integrated into your plant's quality assurance system
- CONREAD can be accessed from any workstation or mobile device with authorized access to your plant's web-based network

For best results

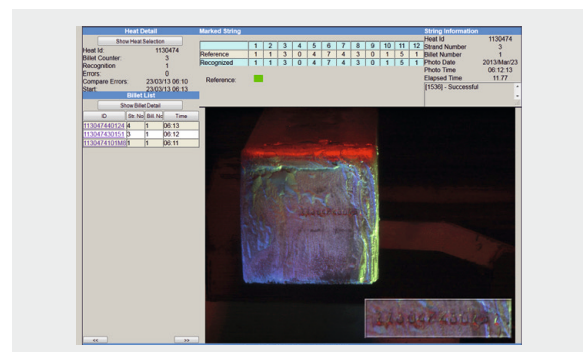
SMS Concast's CONMARK® marking system and CONYARD-Out warehouse management system are highly recommended for use with CONREAD. Please contact us for further information.

YOUR ADVANTAGES

- **No delivery mistakes.** No more costly surprises when the wrong material goes to the rolling mill
- **Airtight product traceability** thanks to high recognition rate and intelligent system design
- **Full-spectrum reading capability** for stamped marks on hot, cold and rough surfaces, stationary or moving, plus printed bar code labels

TECHNICAL DATA

Recognition rate	Virtually 100%
Processing time	Around 3 seconds
Speed of moving steel bars	Up to 2 m/s
Recovers damaged markings	Yes
Identifies worn stamps	Yes



CONREAD web interface showing recognition result