Quality Is Not an Act, It Is a Habit

Ensuring Production Quality at Shop Floor
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Quality is a critical topic in metal production and has replaced throughput as the primary goal in today's business operations. Aristotle once said, “Quality is not an act, it is a habit.” It determines the success or failure of any business. Therefore it becomes imperative for any organization to focus on quality not only for products but also for processes. Being a complex field, metal production requires different areas to be considered to improve product and process quality. PSImetals Quality software includes many functions to support and improve different quality aspects of production, like feedstock quality, constant quality during the ongoing processes, routine material handling or correct execution of the individual process steps.

With our state-of-the art tool all quality data and processes can be continuously captured, controlled and adapted, enabling online evaluation of current and future situations and ensuring constant, reliable material quality throughout the entire production process.

What are your benefits?

+ Integrated quality management from primary metals to finishing
+ Integrated process control from upstream to downstream facilities
+ Complete product tracing for quality certification and proof of production history
+ User friendly handling via graphical visualization of quality data and standard reports
+ Easy system integration including certified SAP
+ Highly adaptable interfaces optimized for quality data

Why PSImetals Quality?

- Immediate handling of quality deviations by seamless integration with production control
- Detailed defect tracking and projection along the genealogy
- Support of zero-defect-strategies by embedded predictive maintenance via statistical process control (SPC)
- Closed quality improvement circle from integrated product design to after-process-control

Selected reference customers:

Tenaris  BHG EDELSTAHL NOVELIS NMK TALAU thyssenkrupp MAN STEEL VAMAS
**Order Dressing**

- Holistic product design
- Transformation of incoming sales orders to technical processes and quality instructions
- Centralized business knowledge base

**Quality Control**

- Real-time quality control based on current quality data as well as on historical data
- Highly configurable rules for detection and early prediction of defects
- Specialized functionality for quality control in the melt shop

**Exception Handling**

- Rule based detection of current quality issues
- Manual or automatic in-and-after-process control
- Automated generation of rework or adjustment of further PDI data

**Integrated Quality Management**

- Support of continuous improvement processes by providing high agility in the closed loop of definition of quality targets, control of process results and adjusting of targets
- Documentation of the whole process for certification requirements
- Predictive quality management via SPC