



ORBIS Mill Solution - Digital Solution in the Metal Industry



SELECTION OF PRODUCTION AND MANUFACTURING PROCESSES,
NOT TO MENTION FUNCTIONS

OVERVIEW OF PROCESSES

PREFABRICATIONS / CUTS

- Pure length cutting (bar material)
- Coil splitting and division
- Cutting flat parts (rectangular, trapezoidal)
- Cutting (laser cutting, water cutting and flame cutting) free-form parts

MANUFACTURING TECHNOLOGIES / FORMING

- Profile and tube production
- Deep drawing, bending, folding, end processing
- Turning, machining
- Hole-lining, T-piece splitting, mitering

TRANSFORMATION TECHNOLOGIES / FINISHING

- Cold rolling, annealing / tempering
- Assembling, connecting / installing
- Priming, etching
- Corrosion protection, oil protection
- Surface zinc plating, electroplating, coating or lacquering

PACKAGING PROCESS

- Maximum weights, maximum dimensions (e.g. outer ring diameter)
- Transport position, transport protection (seaworthy packaging)
- Labeling (clear: content, number and position)

OTHER PROCESSES

- Frames / assembly manufacturing
- Wide range of assembly options
- Building / construction projects



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OVERVIEW OF FUNCTIONS

BASIC DATA GENERATION BASED ON GRADES / STANDARDS

- Rules for deriving standards, surfaces and packaging
- Rules based on SAP basic rules (material types) and SAP functions for material variants
- Automatically derived product descriptions according to standards / grades

QUALITY MANAGEMENT, PRODUCT TRACING AND BATCH TRACING

- 100% integrated into the complete process and material flow
- Tracing of all movements; traceability of all finishing steps
- QM control and own laboratory results; acceptance of supplier test results

DETAILED PLANNING

- Work preparation and production are included in the same plans online
- 100% integration into accounting (SAP CO)
- Combining numerous individual orders into one work order

PRODUCTION FEEDBACK (3 POSSIBILITIES)

- Order confirmation cockpit
- Flexible feedback: process posting of times, yield quantities, scrap, QM characteristics and defect codes
- Production data acquisition and quick login to the central SAP system using a touchscreen (PIN, ID chip, magnetic card, etc.)

PACKAGING / LABELING

- Unique object numbers in all business units (labeling logic)
- Same object identification in all processes and manufacturing stages
- Complete traceability from the upstream supplier's material to the melt

DISPATCH COCKPIT

- Optimum delivery generation & dispatch processing
- All dispatch activities supported as a logistical process (delivery processing, assignment of coil, batch and packaging unit, commissioning, etc.)
- All document types: sales order, sales order item, stock transport order item, subcontract order item

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