

Best realization of plan specifications	Reduced cycle times	Improved resource utilization	Detailed real-time integration of process data	Complete Traceability	Continuous improvement process	KPIs / OEE
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Production planning

- Enterprise Integration (ERP)
- Transfer of released production orders from ERP
- Detailed information on production orders and operations
- Fast evaluation of basic material availability
- Work instructions on order, customer, and material level
- Production Documents

Fine Planning

- Graphical interface for optimal plant utilization
- Real time calculation of production times**
- React promptly on production bottlenecks
- Splitting of production operations for parallel processing
- Chronologically independent processing of production operations
- Automatic consideration of available capacities

Resource management

- Factory calendar
- Shift book
- Capacity planning for human and machine resources
- Detailed machine maintenance (machine production factors and machine groups)
- Labor maintenance (work qualifications and worker groups)
- Capacity inspection

Production / Performance characteristics

- Continuous material tracking**
- Complete traceability
- Detailed acquisition of mounting, labor, order, and machine times
- Production confirmation of product and scrap quantities
- Reasons for down times, performance losses, and scrap
- Avoiding of adjusting confirmations**
- Transfer of performance and production confirmations to ERP

Quality assurance

- Increase of product quality by an integrated QM
- Generation of inspection plans on operation and material basis
- Maintenance of inspection characteristics, limits, frequency, and equipment
- Recording of quantity and quality characteristics
- Correction potential of faulty user inputs
- Required inspection remark on limit violation
- Detailed reporting capabilities

Dashboards

- Executive and operative Dashboards (Office and shop floor level)
- Rapid fault interaction
- Transparency as basis for necessary decisions
- Dashboard for multi machine control (via one terminal) and group workstation
- **OEE (Overall Equipment Effectiveness) and KPIs**
- Comparison of planned and actual process data (machine down times, production and scrap, labor performance...)

Plant Connectivity

- Automatical registration of machine status and downtimes
- Detection of micro stops
- Automatic piece counter for registration of production progress
- Real-time monitoring of the operation schedule (trending) considering of order presets
- Highly configurable with ABF **OneBase** und SAP PCo

Technology

- SAP Netweaver and SAP MII (Manufacturing Integration and Intelligence)
- Web application
- Support of barcode-scanners und touch-screens (mobile platform)
- Authorization concept
- Rollout-capable template approach
- Multi language support (i18n)
- Look and feel adaptable to customer's need
- High connectivity to existing systems
- Simplified user interface
- Data caching (decoupling from ERP)