



Software for Metal Fabricators

About company:

ERP PRO is an innovative and growing information technologies and consulting enterprise that provides a complete software and services package designed specifically for the fabricated metals industry.

ERP PRO is a Gold Certified Partner, specialized in Microsoft Dynamics NAV and Microsoft Dynamics AX business solutions.

Our target is to become one of the leading companies in the Eastern Europe offering Microsoft Dynamics specialized solutions in certain fields. To achieve our targets, we continuously acquire the latest technologies and develop our skills.

Our customers are major and medium enterprises in different business areas that in addition to existing standard enterprise resource planning (ERP) resources also need customized supplements and improvements. We consider establishment and maintenance of a long term relationship with our customers as a priority with a flexible approach and professional attitude towards their requirements and needs. ERP PRO implementation teams are experts in your industry.

Target industries:

Our solution targets the metal foundries, metalworking companies and fabricated metals industry.

Advantages:

- Finished and byproduct costing
- Production process and quality control
- Material purchasing by JIT (Just-in-time) methodology
- Increase of concurrency
- CRM (customer relationship management)
- Transport planning before production started
- Enterprise management best practices
- Increase of profit
- Decrease of costs





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Dynamic production:

There are many specific problems in the metal fabrication industry that cannot solve usual out of the box ERP systems.

Some of them are:

- ✓ Different metal composition and proportion in a prepared alloy that impacts its chemical and physical properties.
- ✓ Quality control and certification process.
- ✓ Lot tracking and production process control.
- ✓ Metal pouring from several furnaces into one or many moulds.
- ✓ Production reuse of byproducts and scrap, leaved after main product fabrication and of course huge problem is costing calculation in all these processes.

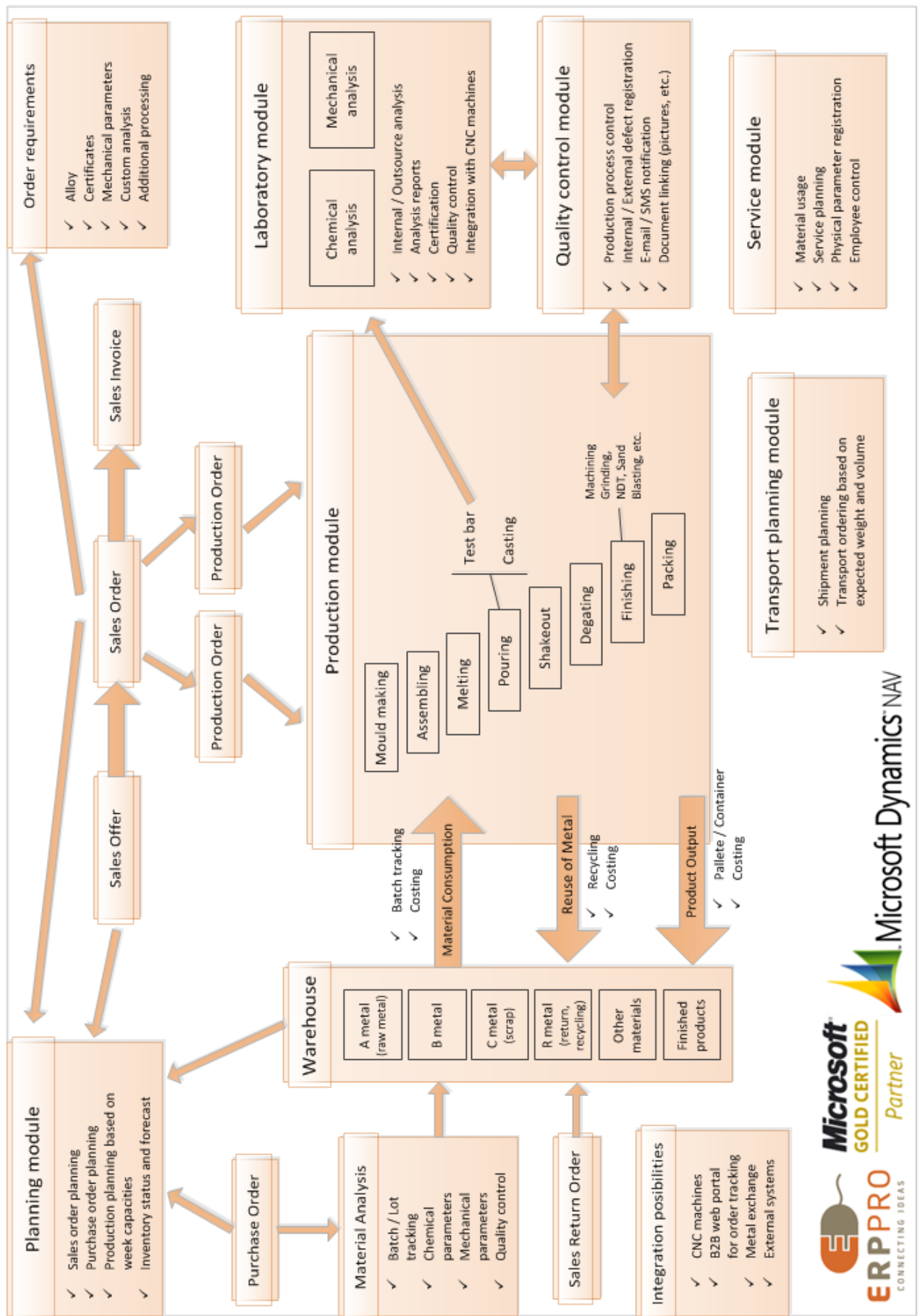
In our solution we had solved all these and many others problems, associated with metal fabrication industry. It increases your ROI while you run your company with greater ease and efficiency.

Enterprise solution automates:

- Finance and accounting
- Sales operations
- Customer relations
- Dynamic production for metal fabrication and metal processing industry
- Warehousing
- Costing calculation
- Human resources and work centers
- Service management



Enterprise solution architecture:



Enterprise solution functionality:

- Purchased material certification:
 - Metal analysis
 - Sand analysis
- Dynamic production:
 - Mould making
 - Assembling
 - Melting
 - Pouring (including test samples)
 - Shakeout
 - Degating (removal of the heads, runners, gates, and risers from the casting)
 - Finishing (Grinding, Machining, Sand blasting, etc.)
 - Packing
- Laboratory analysis
 - Chemical tests
 - Mechanical tests (Tensile, Proof strength, Elongation, Hardness, Charpy etc.)
 - Internal and outsource analysis registration
- Supervising module:
 - Production process control
 - Laboratory control
 - Sales control
 - E-mail and SMS notifications
- Full Tracking (Materials, lots, vendors, human resources, work centers)
- Certification
- Costing (Main product and byproduct costing calculation)
- Planning module
 - Sales order planning
 - Purchase order planning
 - Production order planning
 - Production planning based on defined week capacities
 - Inventory integration and replenishment forecast
- Integration with CNC machines
- Service module
 - Technical support of manufacturing facilities
 - Material usage on facility repair job
 - Service jobs planning
- Discrepancy management:
 - Reclamations
 - Defect and scrap control
 - Quality control
- Human resource and manufacturing facilities analysis
- Production-to-Order possibility with customer defined requirements (mechanical requirements, certificates, additional processing)
- Technical documentation linking (Drawings, 3D models, PDF, Excel, etc)
- Transport planning module
 - Transport ordering based on expected theoretical weight and volume
 - Shipment and delivery planning



Future planned functionality

- ✓ B2B web portal (Order tracking system for customers)
- ✓ Integration with metal exchange
- ✓ Optimal raw material usage in the melting process, based on metal type and actual inventory versus required alloy chemical composition

For additional information about Dynamic production please visit www.erppro.eu or contact us:

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