ENGINEERING DESIGN AND MANUFACTURE OF SPECIAL PURPOSE MACHINES AND ASSEMBLY LINES

- solving technological problems
- innovative concepts
- new technologies
- automation process
- developing innovative products and new technologies, R&D
- production optimization
- development to increase efficiency
- IT solutions
- system integration
- ergonomic solutions
- economical workflow

customer service
warranty service
starting-up production
training
installation on site
delivery
packaging
pre-acceptance at our plant
operation trial
preparing documentation
programming
control plan
assembling

assessment of customer requirements
making quotations
contracting
schedule planning
organizing project team
preparing preliminary designs
accepting preliminary designs
testing critical units and designs
making detailed designs
choosing subcontractors
purchasing component parts
manufacturing machine parts
Pressing processes
Screw-drivers
Welding equipments
Soldering equipments
Resin moulding
Industrial lasers
Industrial gluing technologies
Intelligent industrial camera systems
Measuring, controlling and testing devices
Ergonomic solutions and safety systems
PLC control
Touch-screen industrial PC terminals
Traceability systems
Central database
Remote access

Lean
Pokayoke
One-piece flow
- Turnkey solutions for building up manufacturing and assembly cells based on robot technology
- Integration of FANUC, ABB, KUKA, MOTOMAN robots
- Fully comprehensive service environment
- Contemporaneous, synchronized motion test of robots
- Complex robot simulation tests and offline trainings during the designing period
- Developing various intelligent robot heads
- Controlled, fast and flexible working processes
- Traceable production systems
- Increase in productivity
- High quality
- Guaranteed return on investment
MANUFACTURING EQUIPMENTS

- drilling
- threading
- milling
- finishing
- sanding
- deburring
- welding
- hole punching
- cost-efficiency
- serial production

PACKAGING AND CONVEYOR SYSTEMS

- building complex packaging and conveyor systems
- complete implementation of packaging lines and storage units
- simulation of subsystems for the highest available flow rate
- cost-effective optimization

The process and flow simulation systems help identify the followings:

- the resource needs of lines and processes
- bottlenecks
- hidden reserves during the process
- analyzing interaction between different units
- type changes, TPM and short management effects on the process

MEASURING AND TESTING DEVICES

- PC and IT solutions
- intelligent industrial camera systems, Machine Vision Systems
- intelligent operating softwares
- remote-diagnostic
- production traceability
- product identification
- custom-made lighting solutions for unique tasks
- Omron, DVT, Cognex, National Instruments, Keyence, Vision Components and Banner type cameras