Customized Special Equipment

Automation

solutions you need

Research >>>>>>>>> Production
Automation

Fully automated assembling solutions

Work pieces
Plastic parts (injection die moulding)
Sealings / Gaskets
Electronic devices
Covers
Pins (for plug/socket and bearing shaft)
Sheet metal parts
Special miniature assembling devices

Delivery form
Bulk cargo, Tray, Blister, Magazines, Tubes, Barrel, ...

Handling systems
Feeding technologies, Pick and Place, Rotary table,
Linear transport systems, ...

Processes
Assembling, Welding, Soldering, Bonding, Injection, Heating, Cooling,
Covering, Laser scribing, Testing (elt + vision systems), Packaging, ...

Branches
- Automotive
- Electronics
- Medical
- Chemical
- Biotechnology
- Semiconductor
- Optics
High speed pick and place handling module
fully automated

TechData:
- X/Y/Z - robot unit with precision servo motor drives
- integrable into linear transfer lines
- integrated electronics
Automatic turn table testing system
automation with manual work desk

TechData:
- high precision turn table
- electric circuit test equipment
- vision inspection systems
- laser scribing unit
Automatic turn table testing system
automation with manual work desk

TechData:
- high precision turn table
- electric circuit test equipment
- vision inspection systems
- manual inspection and insertion station
- Tray feeder system for part delivery
**Automatic adhesive dispense system**

**fully automated inline system**

**TechData:**
- inline carrier transfer system
- adhesive feeding equipment
- precise dispense system
- high accuracy weighing machine
Automatic test and calibration system
fully automated inline system

TechData:
- inline carrier transfer system
- high pressure fluid test and calibration module
- test environment enclosure with automatic load lock
- electrical contact and test devices
- heating/cooling equipment
**Automatic test and packaging**

**fully automated inline system**

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**TechData:**
- inline carrier transfer system
- pressure chamber as special test environment
- high voltage test equipment
- Tray feeder system for delivery of parts
Automatic assembling and test
fully automated system with inspection desk

TechData:
- work piece carrier transfer system
- assembling processes
- adhesive dispense and curing system
- device test equipment and printer unit
Automatic assembling, adjusting and test
fully automated production system

TechData:
- inline work piece carrier transfer system
- special fast & precise assembling stations
- adjust and test stations
- vision systems
- laser scribing
FEM - Finite Element Method
Competence in Calculation and Simulation
Mechanical Structures

Examples:

- Deformation analysis
- Material stress
- Optimizing of mechanical structures
- Thermal tasks
- Cause studies
**FEM - Finite Element Method**  
**Competence in Calculation and Simulation**  
**Mechanical Structures**

**Examples:**

- **Calculation and Simulation of mechanical tasks,** vacuum tasks, thermal tasks
- **Simulation of whole inline vacuum coating plants**
- **Optimizing the mechanical structure for more stability,** longer lifetime and cost reducing