Product Portfolio

Automation • Conveyor Systems • Fixtures • Marking Systems • Test Equipment • Measuring Systems • Special Purpose Machinery
Since 1994, we successfully design and manufacture special purpose machines, handling systems as well as various marking machines.

Meanwhile, nearly 80 employees produce machinery for various special applications in two modern factory buildings. We are specialized in mechanical design, electrics and electronics, as well as in software and PLC programming. We support you from the planning to installation and commissioning.

Highly educated technicians are competent partners for your special solution. With us, you get everything turnkey ready from one source.
We see our task in the design and manufacturing of machines for following applications:

- Handling Systems / Palletizing / Robot Applications
- Servo Presses
- Screwing and Feeding Systems
- Assembly and Joining Systems
- Automation Cell’s
- Test Stands
- Measuring Systems (tactile, 3D, laser)
- Vision and Camera Systems
- Special Purpose Machines (turnkey ready)
- Marking Machines (Dot Peen) / Laser Marking Solution
- Conveyor Systems/ Interlinkage
Production and Service

With the help of modern machinery and equipment, the production of mechanical and electronic components is nearly complete made in house. In accordance with the requirements the products are designed, developed, produced, mounted and programmed. This advantage to have all skills in our hose allows us to have fast response times. Worldwide service and partners are available.

Equipment
Machinery
3 x CNC machining center, saws, four axis lathes, sheet metal work

Software
CAD: Autodesk Inventor 2013, Autodesk Productstream Professional, Autocad 2013, Solid Works
E-CAD: EPLAN P8 version 2.3, EPLAN Fluid, EAGLE CAD
PLC Software/Tools: S7 Simatic Manager S7 LAD / FBD / STL, S7 SCL, S7 Graph, WinCC flexible, Win CC flexible, Fanuc PLC controllers, Allen-Bradley
Robotik: KUKA, Fanuc, Kawasaki, Motomann, ABB
Windows Programming: C #, C ++, Visuale Studio 2010, database systems Oracle / MS SQL / MySQL, microcontroller programming using Xilinx and cross Studio
Camera Systeme: Cognex, SICK, Keyence, IOSS
Richter Worldwide

“Joachim Richter Systeme und Maschinen” produces in Germany and maintains a worldwide sales and service network with partner companies in more than 20 countries.

Our customers include leading companies in all sectors of the economy.

They can be found in following branches of the industry:
Automotive industry, suppliers, engineering, automation industry, metal industry.
Conveyor Systems

- conveyor systems
- Interlinkage of complete production lines
- roller transfer
- plastic plate conveyors
- Chain conveyor
- belt conveyor

Handling Systems/Palletizing and Robot Applications

- 4 to 6 axis portal systems
- shuttle systems for loading (also for time-critical applications)
- linear systems for loading and unloading
- Gantry robot for flexible tasks
Screwing and Feeding Systems

Assembly and Joining Systems

Servo presses for joining following customers' requirements

Complete solutions including feeding
Automation Cell’s

e.g. Modules for assembly cells and more
Marking Machines

Marking solutions for system integration for small, medium and large series production e.g. our own machine series of dot peen markers

Laser Marking Solution

Special machines for laser marking, customized standalone machines or integrated as stations in fully automated systems. They are designed for different specific tasks.

The Laser systems are produced according to European and North American regulations and standards.
Vision and Camera Systems

- e.g. Installation testing and completeness checks

Test Stands

- Leak test
- Component testing and simulation of the component environment

Measuring Systems

(Tactile, 3D, laser)
- Position measurement or recognition systems
- Triangulation geometry checking / determination

Vision and Camera Systems

- e.g. Installation testing and completeness checks
Special Purpose Machines (turnkey ready)

Customized standalone machines or as integrated stations in fully automated systems.