



...because **ideas** don't come by themselves...



WHO WE ARE

ima-tec gmbh is a medium-sized mechanical engineering company with its focus on the automation of assembly and test tasks. It all started in 2007 with a staff of just 5. Today our team has over 85 members.

ima-tec gmbh has been part of the SAR Group since October 2017, so it can offer the dependability of a German medium-sized, owner-managed automation group with branches worldwide. At the same time it has retained the flexibility of an independent technology specialist with close proximity to its customers.

From the very start of a project the customer will benefit from competent support with prod-

uct development, feasibility studies on individual tasks and challenges, as well as reliable assessments on the automation of components.

You will receive expert advice and support from our knowledgeable team who will focus on your specific needs and develop the right solutions.

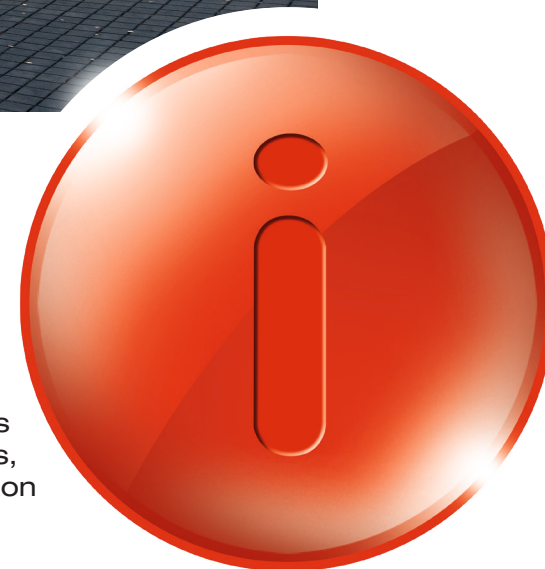
With our high production depth in all areas and departments, we can quickly implement customer requirements. Our connection to Industry 4.0 is not just a catchword, it is everyday reality.

OUR SERVICES

Our team of technical experts will work focused and flexibly to find the right solution for your problem. From complete systems to modular applications, we will design and develop solutions tailored to your needs.

We start by devising automation processes which are then developed in detail by our design department as just one of our day-to-day tasks. ima-tec gmbh offers a wide variety of solutions, from optimizing existing systems through handling devices for plastic injection molding to assembly lines for small parts, mi-

cro systems and medical engineering. Innovative as well as established techniques are both used to carry out these assignments. We often deploy robots to carry out complex assembly tasks or to conduct a range of measurements and tests. We are constantly looking to develop in-house software for control, test and measuring systems so as to offer state-of-the-art technology at all times. And you can count on us 100% when it comes to advice and support. We will make sure that your machines operate optimally.



...all from a **single** source...



E-MOBILITY

The fast-paced development of new technological products that is associated with e-mobility places huge demands on automation systems.

- Optimum flexibility for product modifications and high variability
- Design and implementation of high-precision measuring and test technologies
- Use of modern technologies
- Solutions individually tailored to customer and market requirements
- Short response times
- On-time delivery
- Support with product development and process design

The ima-tec gmbh team offers wide-ranging experience and sound knowledge in the field of current and voltage sensors and the production of charging systems.



CCS chargers for high power charging (HPC) with up to 500 kW

MEASURING & TEST TECHNOLOGIES

Growing demands on product quality coupled with the need for a high degree of automation are increasingly requiring reliable measuring and testing technology to be an integral part of the production process. We can offer different kinds of test technology, including our own specially developed AOI cell (automatic optical inspection) that causes significantly less pseudo waste than conventional processes. We also develop bespoke measuring and test systems that are perfectly tailored to your production.

- Electrical test and measuring methods:
 - High-voltage (HV) measurements
 - High-current measurements
 - Insulation tests
 - CAN communication with automotive participants
 - JTAG microcontroller programming
- Conventional measuring methods (length measurement, moments of force and torque)
- Leakage tests
- Tactile measuring
- Optical testing and measuring (2D, 3D, triangulation methods)
- Optical solder joint testing (3D)
- On-the-fly testing, video tapes

COMPLETE SYSTEMS

Manufacturing bespoke complete systems is our specialty, as we respond fully to your wishes and requirements. Whether this involves compact systems, clean-room versions or desk frames, we will develop a system which meets your demands in full. Our skilled and competent team with its many years of experience will accommodate all your needs, starting from the design stage.

And the modular structures allow components to be added and modified very easily if the specification should change.

After commissioning, we can offer excellent support to ensure the system will operate flawlessly for many years to come.

- Assembly lines
- Test systems
- Micro-assembly
- Modular design
- Compact systems
- Clean-room version
- Desk frames for production inside the safety area

Clean-room version of a micro-assembly unit



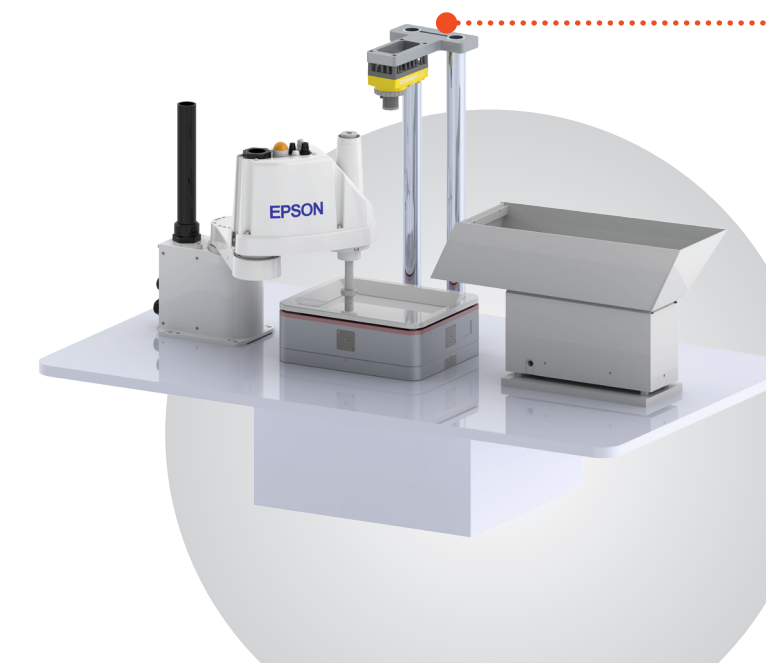
FLEXIBLE FEEDERS

Do you want to produce more efficiently and effectively? Very often it is the little things that take up a lot of your time. That's why ima-tec gmbh offers innovative and flexible feeder systems capable of working with very different geometries. Whether you need position detection by means of camera, or component separating or reorienting, we will develop a solution that is right for your product portfolio.

The benefits at a glance:

- Diverse component contours can be separated
- Short setup times
- High variant diversity
- Simple product group addition
- High plant availability

A flexible feeder module for integration in assembly lines

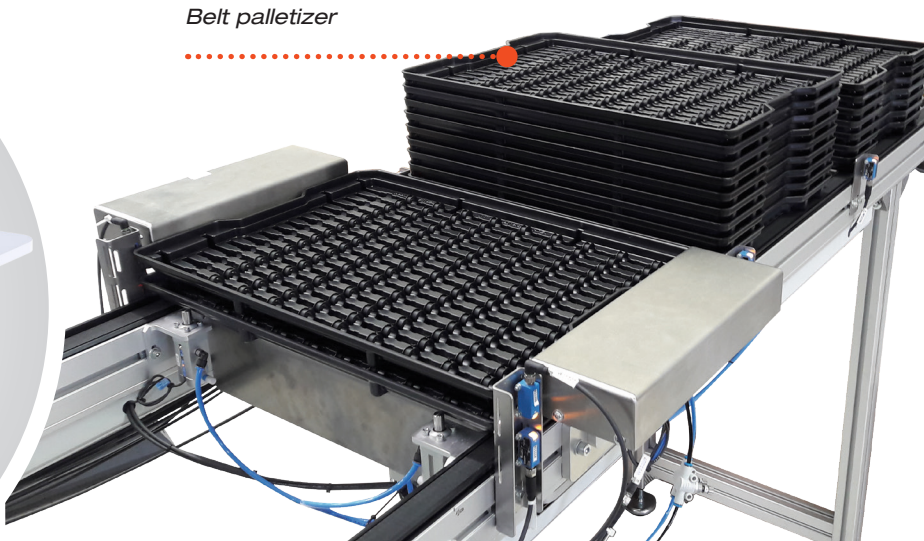


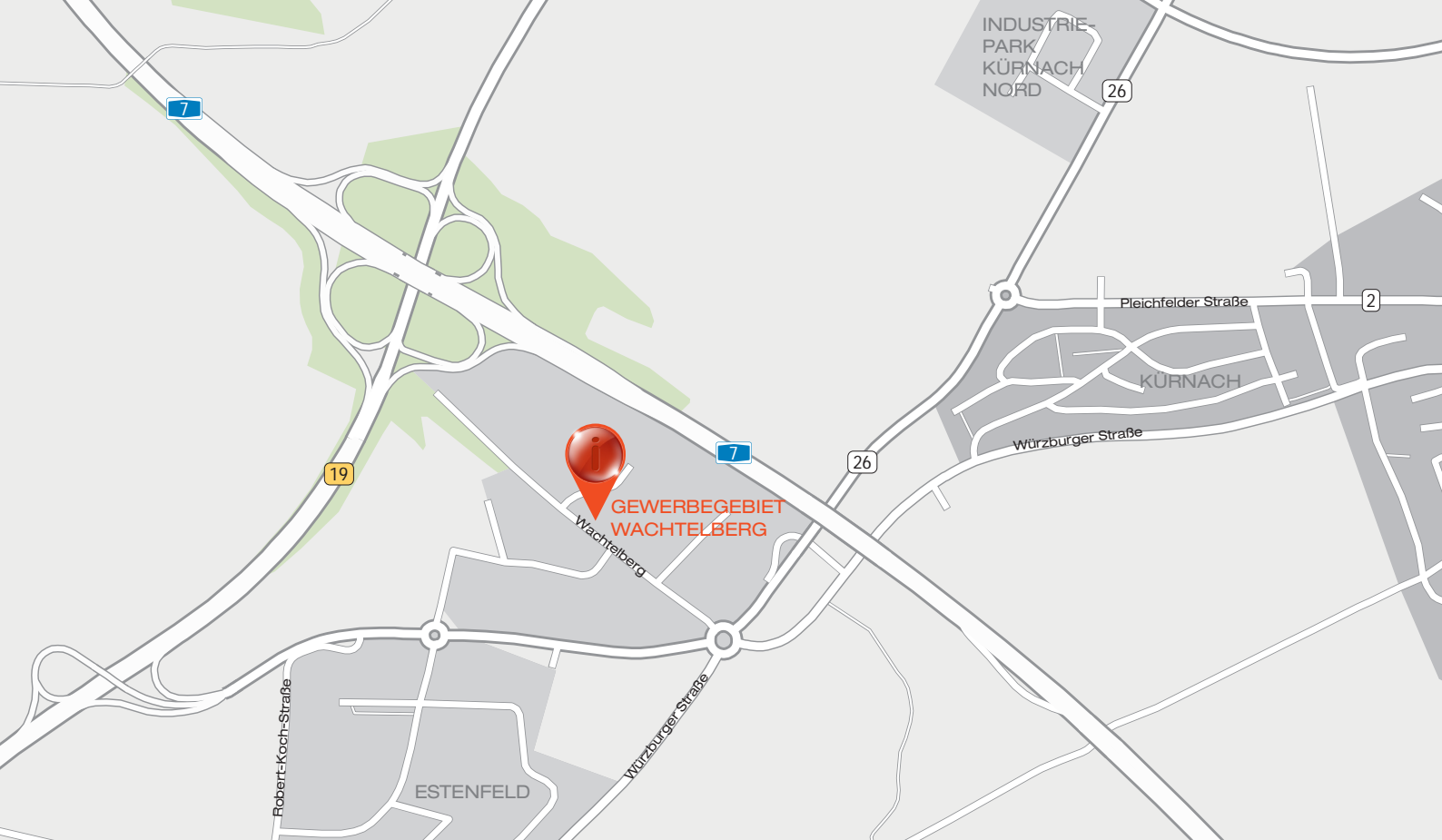
PALETTIZING

Our portfolio also includes packaging and buffering that saves on workpieces. Together we will find the palletizing system that's right for your production.

- Belt palletizers
- Underfloor palletizers
- Stackers/destackers, including tailored to the customer's own transport carts
- Part handling by robots

Belt palletizer





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