

MEDICAL TECHNOLOGY
PHARMACEUTICAL
HEALTHCARE INDUSTRIES

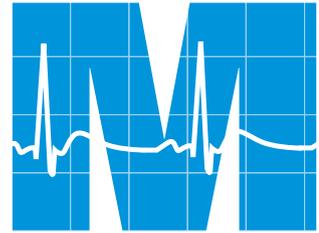


For highest standards in medical and pharmaceutical industry:
Assembly- and automation solutions by FLG.

FLG
AUTOMATION



At medical technology and FLG humans take center. Our employees are our major resources. **Take advantage from the know-how of our experts for mature automation solutions.**



**We have one thing in common
with physicians and pharmacists:
We all do our utmost to promote
good health.**

Each industry has its own special requirements. The development phases through to market launch for products in the medical technology, diagnostic, pharmaceutical and healthcare industries are considerably more time and cost-intensive and comprehensive than in other industries. Products that serve to cure illnesses or improve life quality must meet the highest standards. This includes compliance with international standards, time-intensive clinical tests and laborious approval and patent processes. During this development and testing phase, the requirements and problems with regard to subsequent automated series production often take a back seat.

When it comes to the implementation of pharmaceutical and medical projects, we offer our customers support as a partner with longstanding experience and expertise in this field.

The early integration of experienced plant manufacturers from the automation technology industry prevents time and cost-intensive changes, so that the subsequent series manufacture of products developed to satisfy pharmaceutical requirements can be achieved cost-effectively and efficiently.





Reproducible and stable processes are essential.

We implement such processes and also ensure that they adhere to international standards.

Our key strengths are the handling and assembly of pharmaceutical products and devices. We accompany you every step of the way – beginning with the supply of individual components, over assembly, testing and inspection, right through to packaging. The development and design of our plants is managed by an experienced project team. Our experienced and highly qualified project managers work closely with customers for the duration and ensure coordination of all technical and scheduling aspects of the project. A wide range of testing and inspection systems are integrated in the plant concept and FLG oversees and handles all stages of implementation. The design of the individual interfaces within the assembly and testing processes ensures efficient validation of the overall system and reproducible product results.

If required, we can also carry out the complete qualification (DQ, IQ and OQ) of our palletizing, assembly and handling systems, including supply of the respective qualification documents. Qualification is in accordance with GAMP (Good Automated Manufacturing Practice).

Technologies and procedures

Handling

- Palletizing
- Magazining
- Feeding
- Sorting
- Separating
- Dosing
- Conveying

Inspection and test systems

- Image processing systems
- Data matrix and barcode scanners
- Sealing and leak testing
- Force/displacement-monitored assembly and joining processes
- Function testing

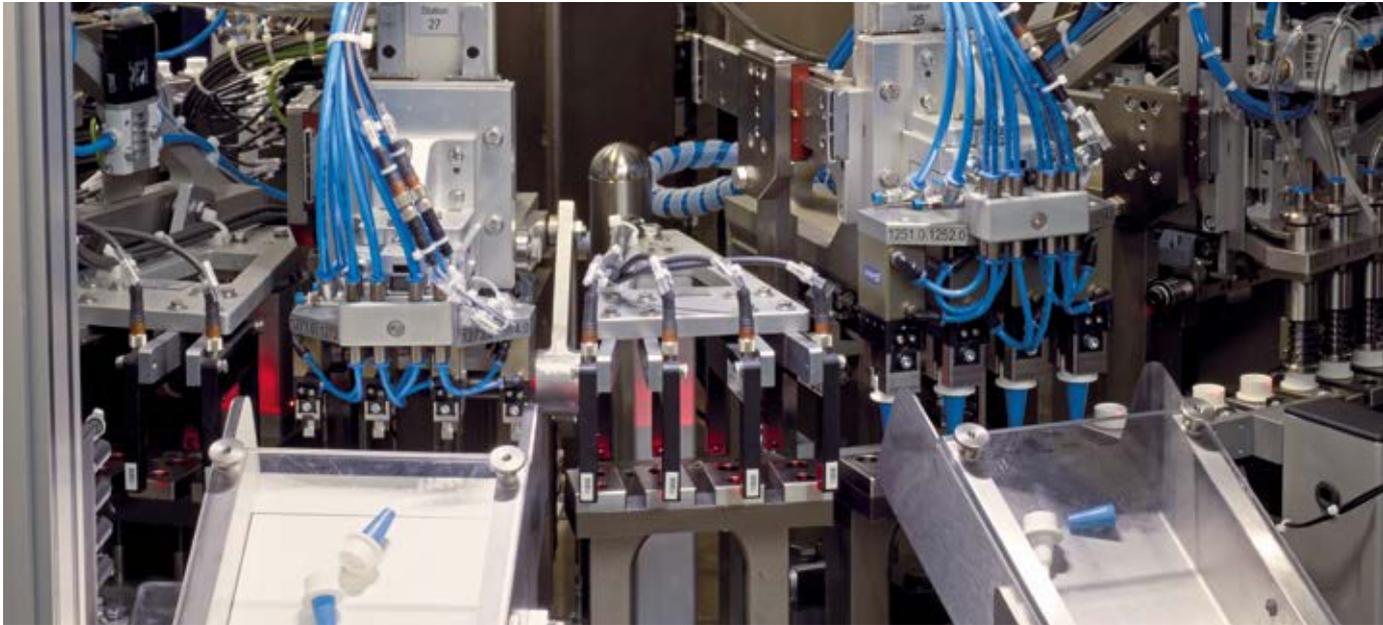
Joining

- Ultrasonic welding
- Laser welding
- Bonding
- Sealing
- Screwing

Identifying

- Labeling
- Laser marking
- Printing
- Packaging
- Paper banding
- Blister packaging

OUR EXPERIENCED PROJECT TEAMS WILL ATTEND TO YOUR COMPREHENSIVE AND RELIABLE FOR ALL PRODUCTION STEPS AT ANY TIME.





Our customers don't see us as just another system provider – but also as a reliable partner.

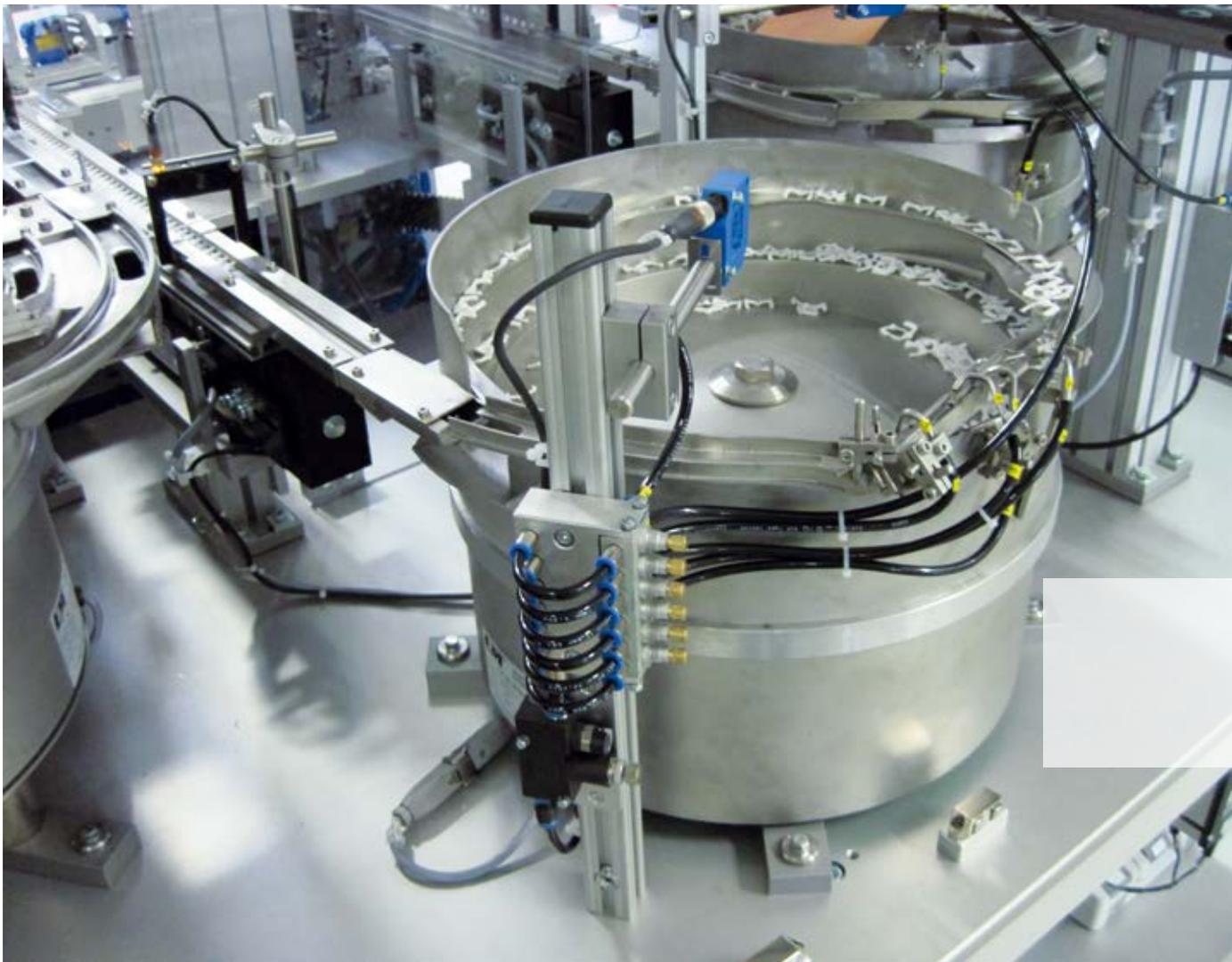
As the longstanding system partner of international pharmaceutical, medical technology, diagnostics and healthcare companies, we can draw on a wealth of valuable and in-depth experience for the management and implementation of projects in these industries. Our across-the-board industrial experience allows us to think outside the box and generate additional know-how; paired with an outstanding technology and supplier portfolio, this creates the ideal basis for efficient production technology for our customers.

If you would like any further information on reference projects, please contact our sales team who will be happy to assist!

Our references:



WITH OUR COMPREHENSIVE KNOW-HOW FROM DIFFERENT INDUSTRIES WE SUPPORT YOU FOR AN EFFICIENT AND COOPERATIVE PARTNERSHIP.



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