

Custom layouts for maximum flexibility

Our standardized machine design and modular assembly concept keep your investment costs and delivery times to a minimum.

Take advantage of our expertise

- High rigidity steel/welded construction
- Feeding of individual parts beneath safety door
- Full machine enclosure
- ESD protection is optional
- Reduced validation costs – we deliver a qualified basic machine and software components
- Traceability of workpiece holders
- Siemens control unit, WinCC operator panel, separate status panel
- Easy adjustment of machine cycle times from 2–10 seconds
- Reduction of machine cycle time using double or multiple process modules
- For pneumatic components: total discharged exhaust air
- Machine dimensions: 2200 mm x 1200 mm x 2200 mm (LxWxH)
- Up to 8 workstations possible

Macro competence in the micro sector: MA micro automation GmbH

Benefit from our decades of experience in developing and implementing state-of-the-art assembly solutions across all branches of industry. In addition our wide-ranging expertise in engineering, we are also able to offer you support right from our initial consultation through to the delivery and commissioning of your machine. We can even support you beyond this point if required: We will help you to optimize your manufacturing processes, accompany your projects and provide a wide range of services to ensure your production line runs smoothly.

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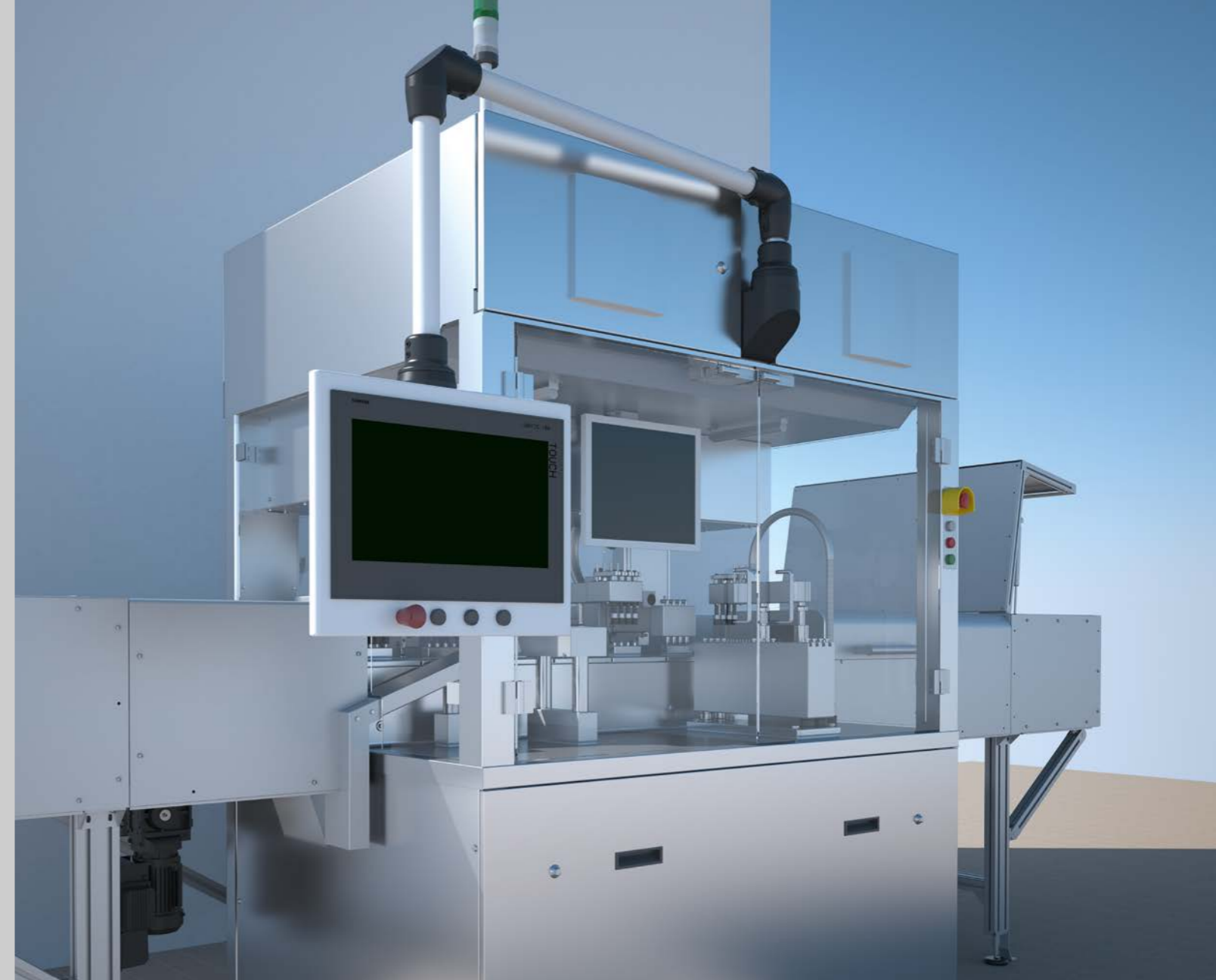
MRCmed® Basic



MRCmed® Twin

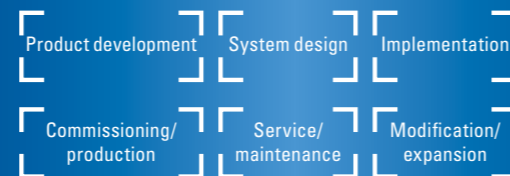


MRCmed® Duo



MRCmed®

Safety and flexibility – for even the smallest of cleanrooms



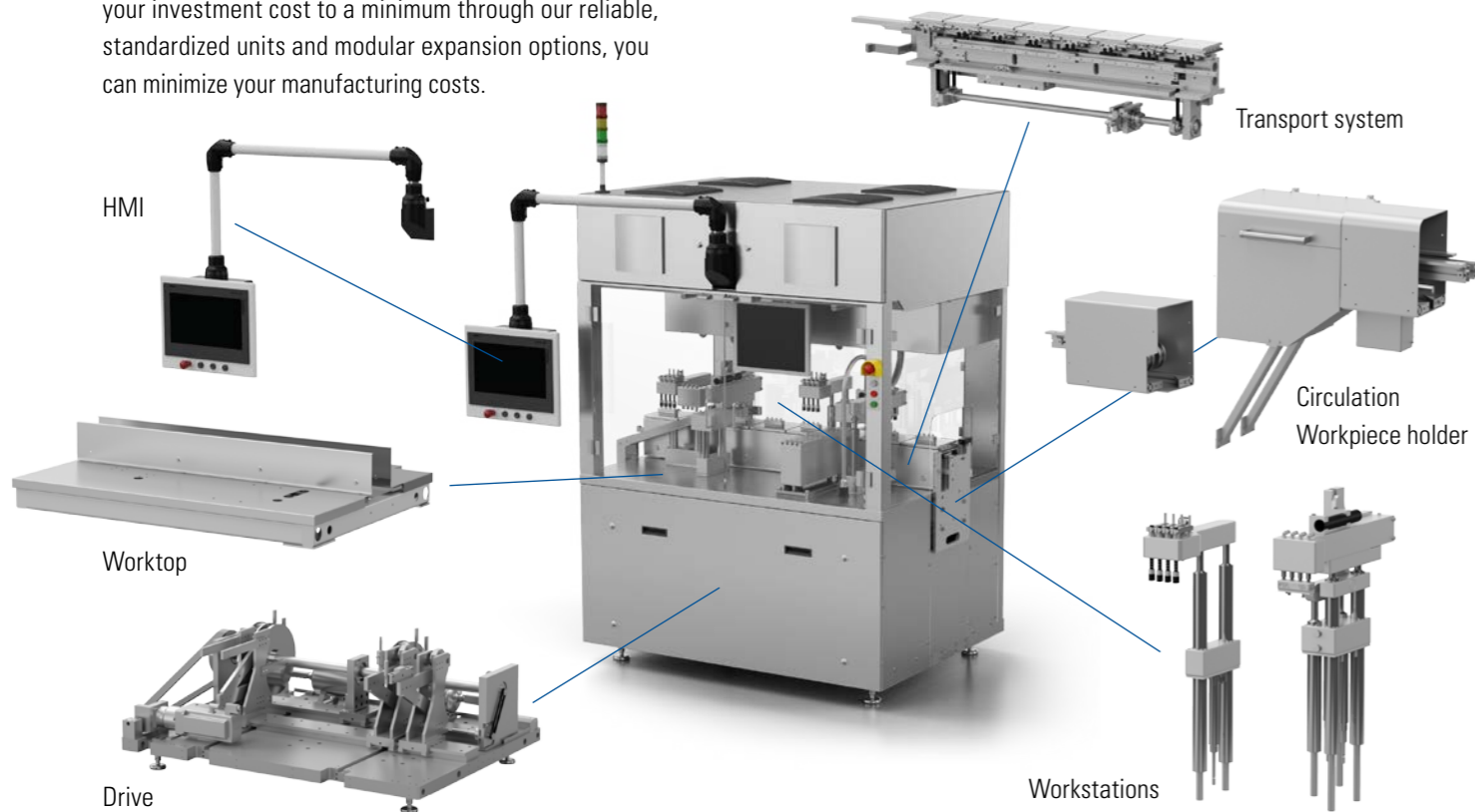
Compact basis for stable processes: MRCmed®

We have the key to manufacture medical products with maximum productivity and quality and with minimum cost. Within the modular machine solutions by MA micro automation GmbH, we are confident that you will find the solution that meets your specific requirements.

Order, connect, produce – MRCmed® is a flexible assembly cell with application-specific features designed to maximize your production efficiency. For use as a standalone solution or within an interlinked production system. By keeping your investment cost to a minimum through our reliable, standardized units and modular expansion options, you can minimize your manufacturing costs.

Flexibly tailored to your (cleanroom) requirements

We configure our solutions for the production of medical products to match your specifications precisely. Our systems reliably meet all requirements of the relevant quality guidelines – be it cleanroom class, GMP standards or other medical specifications. We will be pleased to bring our expertise to the table in helping you design your processes.



Built to medical engineering specifications

Be it contact lenses, syringes, blood glucose monitoring devices, stents, inhalers, insulin pens or auto-injectors – medical products are subject to stringent regulations. These requirements need to be maintained at all times during the production process. This, among other things, calls for a suitable machine concept.

For this purpose, we offer you bespoke solutions that enable you to meet the relevant quality guidelines. In addition, we support you with your validation. We will accompany you every step of the way – from individual process consultation through GMP-compliant design to the selection of suitable technology.

MRCmed® ...

Reliable production processes

Thanks to proven, reliable units and ingenious details such as our low-wear workpiece holder transportation system

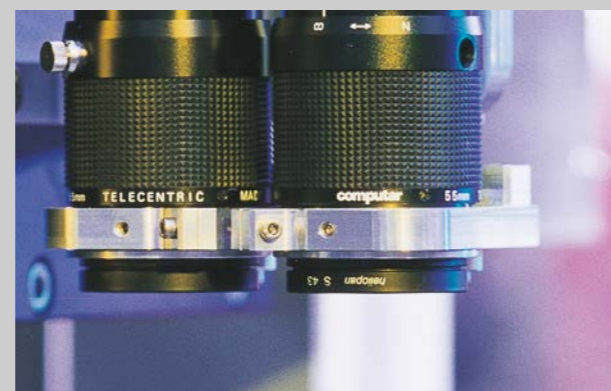
Minimum investment

Thanks to a high degree of standardization and modularization (e.g. workpiece holders, workpiece holder transportation, pick-and-place etc.)

Wide-ranging flexibility

Thanks to the implementation of user-specific layouts to create a compact overall machine or interlinked system

The micro automation modular principle gives you the flexibility to meet specific requirements in a cost-effective way. We are always happy to work together with our customers to develop special project-specific solutions. In insulin pen production, for instance, our handling, gripper and dispensing systems can be configured to create reliable processes.



The requirements for the production of medical parts in a cleanroom environment are extremely stringent. Every aspect of the production process – from processing to packaging – must conform to cleanroom specifications.



... the solution for cleanrooms

Clean work

Thanks to cleanroom classifications of up to Class 10,000 (equivalent to ISO 7 as defined by DIN EN ISO 14644-1).

Design to GMP guidelines

- Low particulate emission through sheet-metal enclosures
- Maximum safety thanks to shatterproof glass safety doors and rounded edges
- Optimal cleaning conditions are ensured through the use of stainless steel enclosures and components from the food production sector
- Separation of automation and product levels