



Process Excellence and Flexibility

- ✓ Ergonomic solutions for long-term effortless operation
- ✓ Lifting rollers for quick re-arrangement of operations area
- ✓ Automated and safe handling of rejects



- ✓ Highly dynamic, compact and precise linear axis for swift yet reliable joining process
- ✓ Transferable process parameters to high volume production
- ✓ Tool-free replacement of format-parts
- ✓ ISO 7, 21 CFR Part 11 compliant
- ✓ GMP-qualification documentation

The MDA 5 is an innovative solution designed specifically for the final assembly of autoinjectors and/or pens. It is ideal for pre-clinical studies, design verification, and small production batches. With an impressive performance of up to 5 products per minute, the MDA 5 sets the standard for speed and efficiency in its class. Workstation ergonomics are tailored to the operator to ensure a highly efficient and comfortable working environment.

Rychiger offers flexibility to meet customer-specific requirements, optimizing the machine for the unique needs of each customer. This can include areas such as speed, level of automation, controls, handling of rejects, data management, or running several devices on the same machine, even retrofitting existing ones, on site.

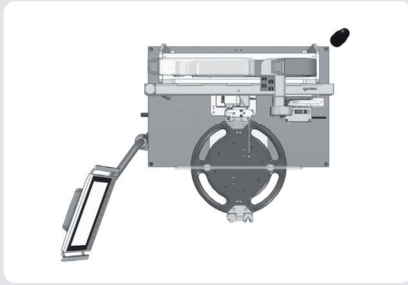
Moreover, we provide configuration services supporting our customers when it comes to adapting the equipment to new devices. This includes format parts, optimisation of process parameters and test-runs on site.

Joining Module

It features the same joining module as our larger assembly solutions: a linear axis specifically optimised for vertical movements as used in the assembly of autoinjectors and pens. It is capable of both position-lead and force-lead joining processes and runs on a 10 kHz sampling rate for highest accuracy and dynamics.



Details



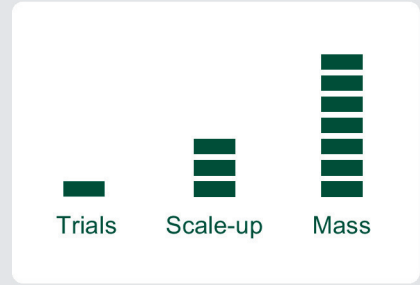
Efficiency

5 parts per minute on a surface the size of a workbench.



Customizable

Several configurations of autoinjectors and/or pens on one machine.



Performance and Scalability

Professional process data collection, evaluation and optimization enabling you to scale production effortlessly.

Digital Solutions

Our team of experts work collaboratively to implement digital solutions which, among other things, increase the quality, transparency, and efficiency of our machines.

Productivity and Performance

Our machines integrate seamlessly in your digital production environment. Centralized recipe management, user management, production planning and maintenance plans can now be shared across all the machines. Moreover, process data collection and advanced analysis can unlock further performance.

Connectivity

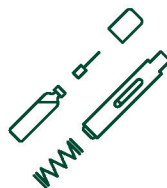
Rychiger systems are equipped with state-of-the-art interfaces according to the latest industry standards such as OPC UA, ISA-95, and PackML to unlock connectivity with other equipment and systems using modern IDP solutions.

Regulatory Compliance

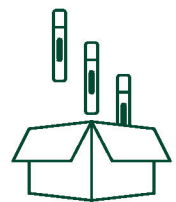
All our solutions feature traceability, automatic report generation, documentation of production performance and digitalized workflows.



Fill & Finish



Final Assembly



Packaging