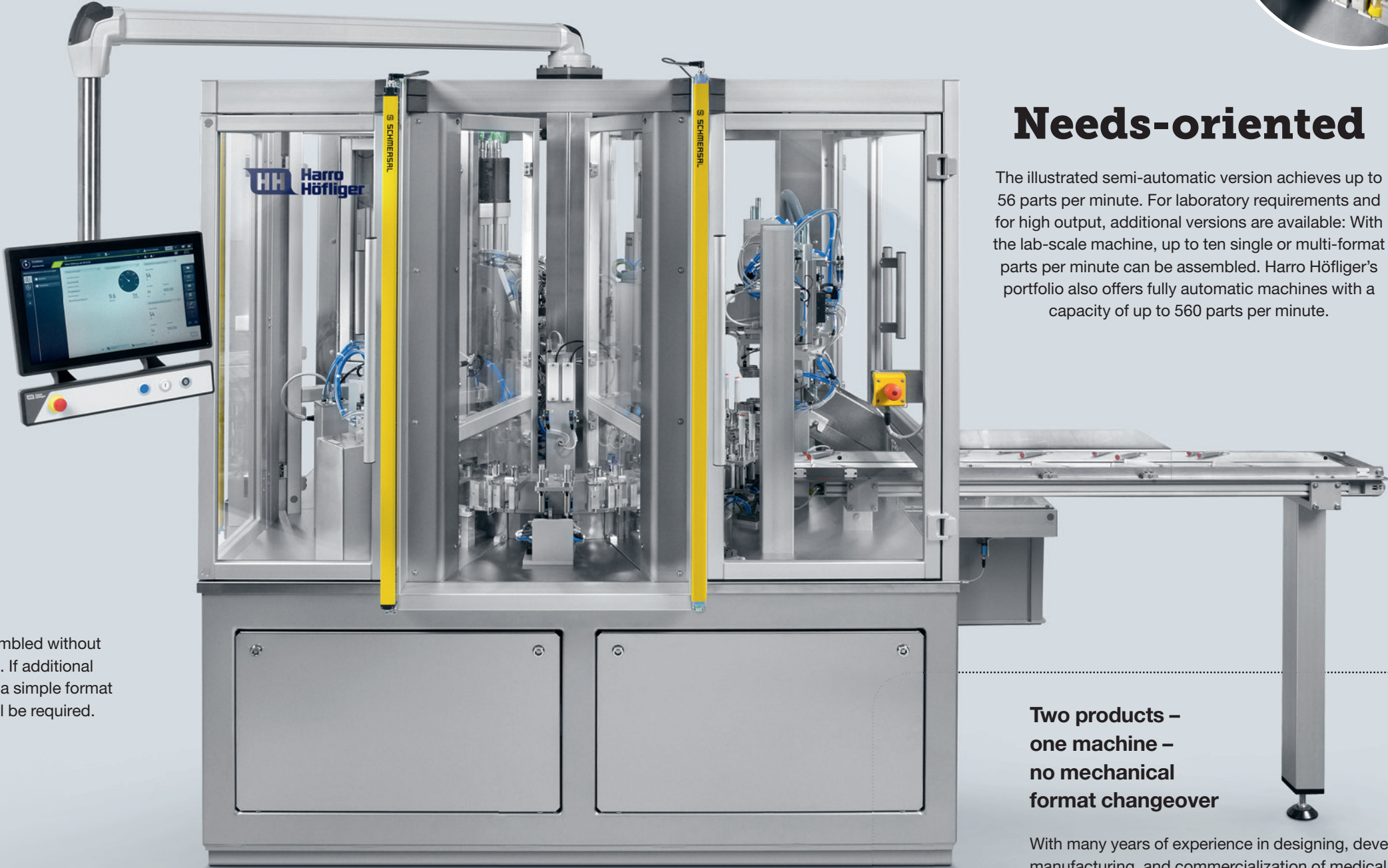


One for two

The new semi-automatic assembly machine for pens and auto-injectors stands out with its flexibility. For the first time, two different products can be manufactured on one platform – without the need for mechanical format changeovers. With this semi-automatic solution, Harro Höfliger speeds up market access for their customers at an early stage.



Ergonomic

The machine's proven GMP-compliant design makes operation and cleaning easy. For manual loading, up to two operators have direct access to the insertion point at the rotary table.

Needs-oriented

The illustrated semi-automatic version achieves up to 56 parts per minute. For laboratory requirements and for high output, additional versions are available: With the lab-scale machine, up to ten single or multi-format parts per minute can be assembled. Harro Höfliger's portfolio also offers fully automatic machines with a capacity of up to 560 parts per minute.

Expandable

The machine concept allows subsequent automation at any time. For example, conversion from semi-automatic to fully automatic mode is possible, in case of increasing production demand. The integration of additional technologies such as labelers, and connections to downstream equipment such as cartoning machines is also possible.

Fast

Pens and auto-injectors are assembled without mechanical format changeovers. If additional versions are to be processed, only a simple format change command at the HMI will be required.

Safe

All critical processes are automated. Pressing and joining operations as well as function checks are fully monitored as with a high-performance system.

Standardized

The semi-automatic machine also is equipped with Harro Höfliger's proven Human Machine Interface (HMI). It goes without saying that it fulfills the CFR part 11 requirements for FDA-compliant electronic signature. Customers benefit from the comprehensive service including service portal and remote maintenance.

Two products – one machine – no mechanical format changeover

With many years of experience in designing, developing, manufacturing, and commercialization of medical devices, BD supports customers in the rapid market segment of new products. BD Physioject™, a disposable auto-injector (right), was developed following extensive studies and considering user experience. It received the Ease of UseSM commendation from the Arthritis Foundation® for its ease of handling. The auto-injector can be used in combination with BD Neopak™ and BD Hypak™ for Biotech 1ml Long pre-fillable glass syringes. BD Vystra™ disposable pen is designed for simple and comfortable administration of liquid medical agents with variable dosing regimens. It can be customized according to customer-specific requirements.