



SYNEX TECH

SYN CARBON PRESS SCP 300



VARIANTS

SCP 300 TOP

- with cable unwinder
- 2 prefill- filling system

SCP 300 STANDARD

- with cable unwinder
- 1 whirl- filling system

SCP 300 BASIC

- without cable unwinder
- 1 whirl- filling system

The SCP 300 is a newly developed, universally usable Servo spindle press with up to 300kN press force, which works with the ejection process. It is flexibly convertible and can therefore cover a large part of the product range of carbon brushes. By combining highly dynamic drive units with state-of-the-art safety components, very high cycle rates can be achieved with maximum operator protection at the same time.



SYSTEM EQUIPMENT

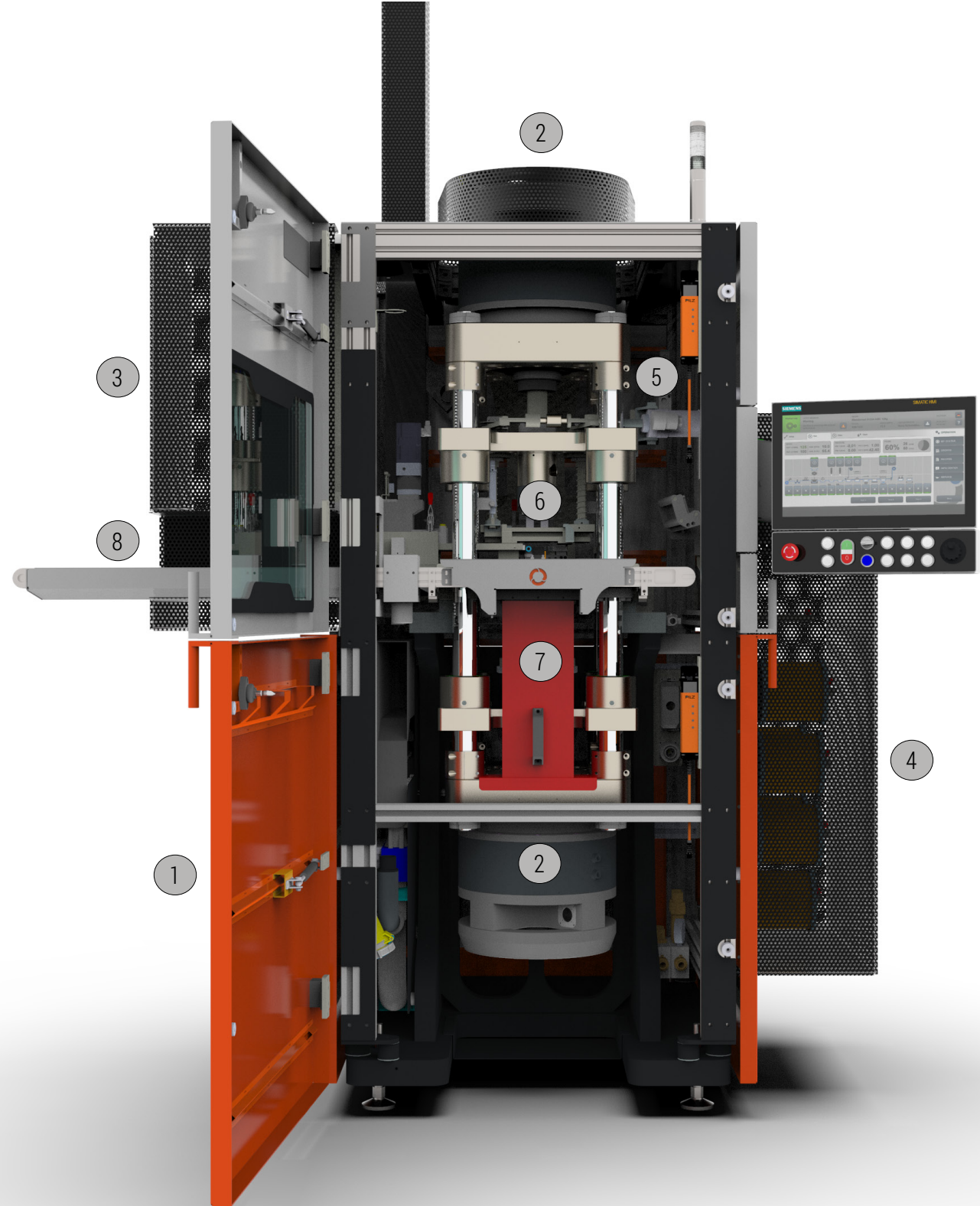
SCP 300 TOP - Starter version

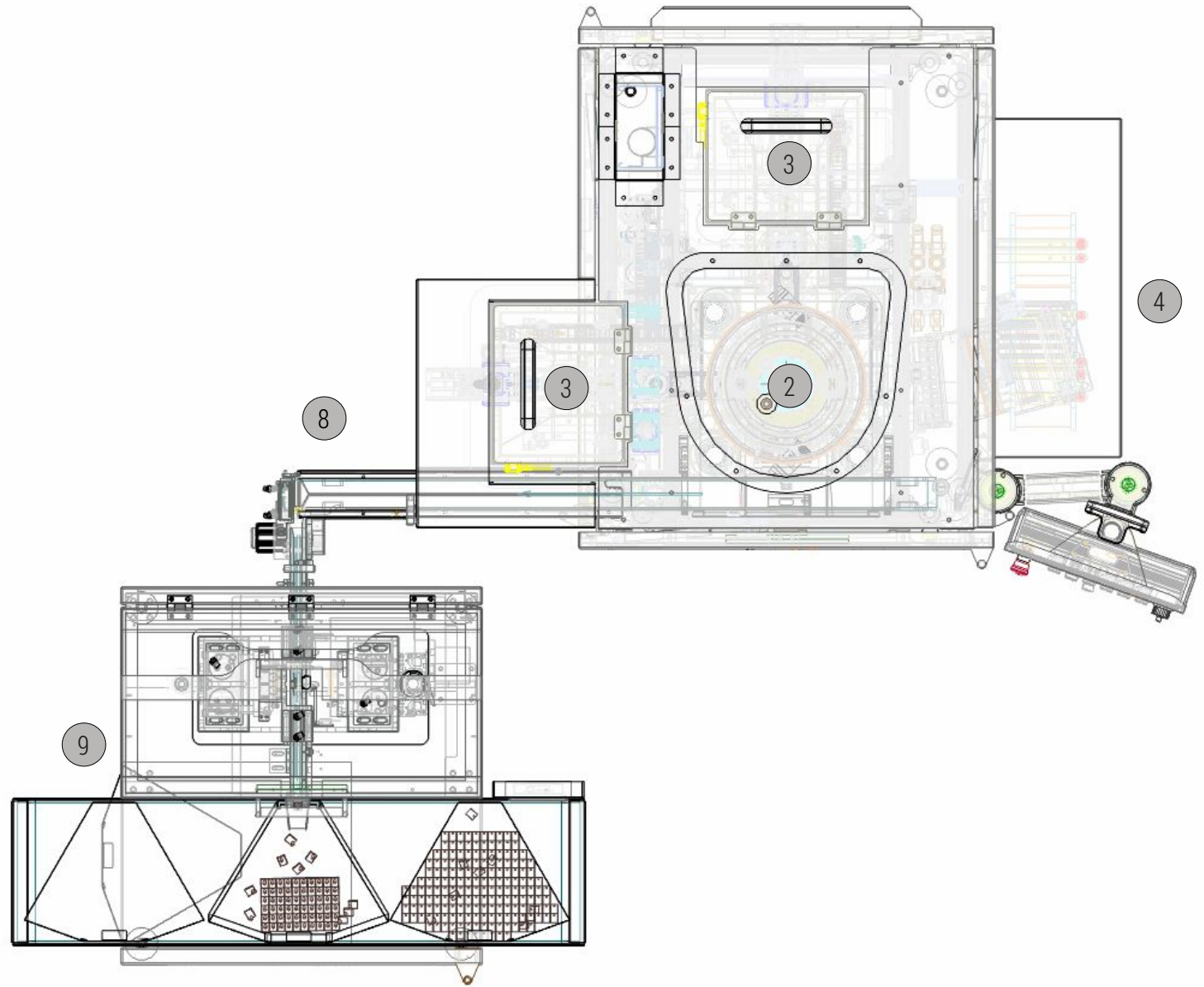
Positions

- 1 Housing incl. safety guard doors
- 2 Upper and lower press drive
- 3 Filling system 1 and 2
- 4 Cable unwinding system
- 5 Cable cutter
- 6 Mounting press tools
- 7 Bad part container
- 8 Outlet conveyor belt

OPTIONS

- 9 SYN SPOT WELDER

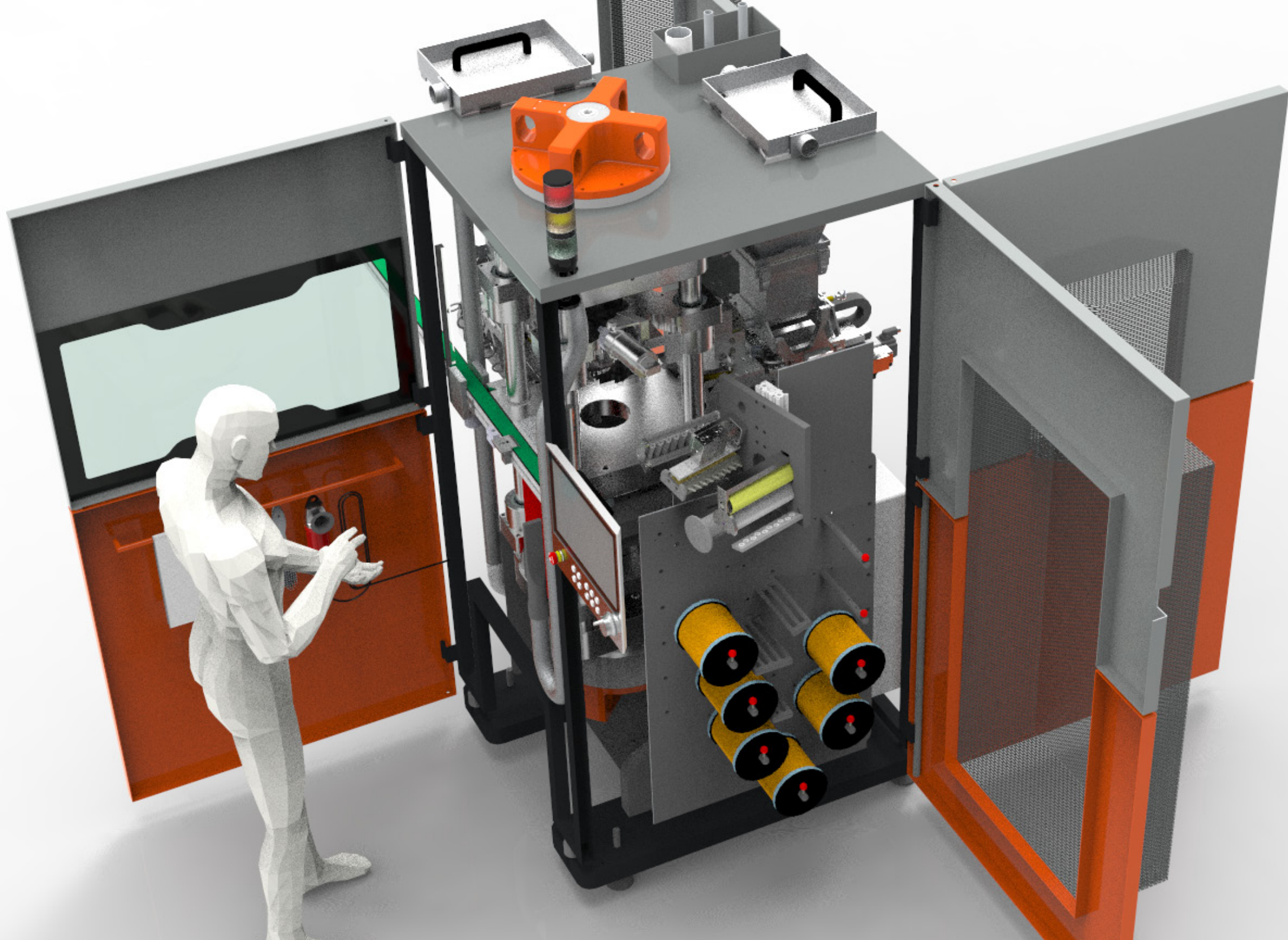


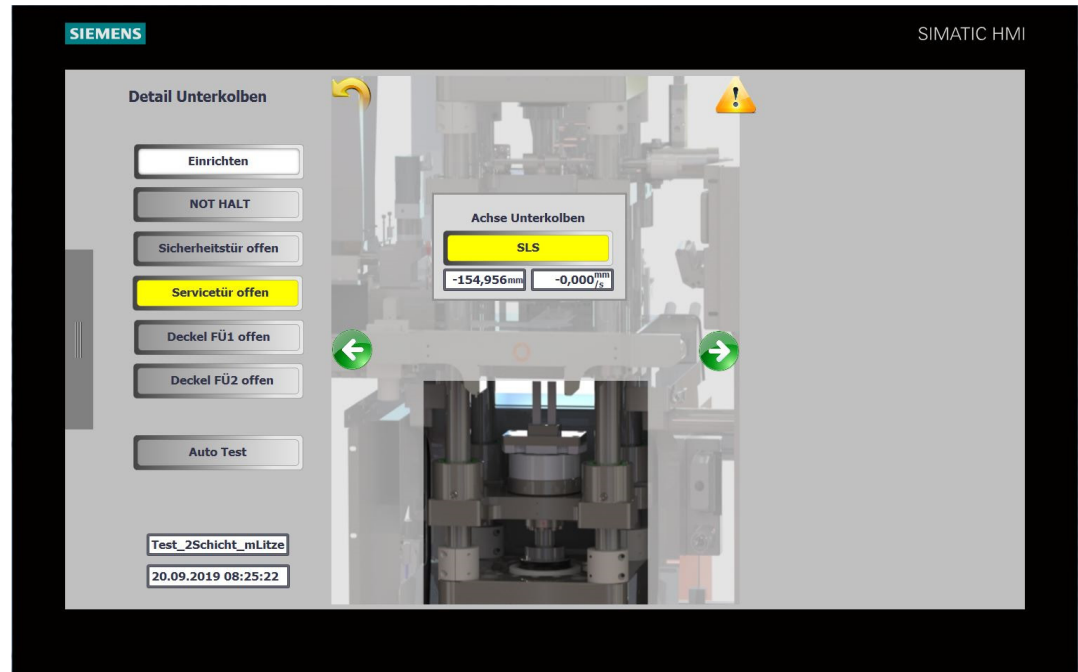
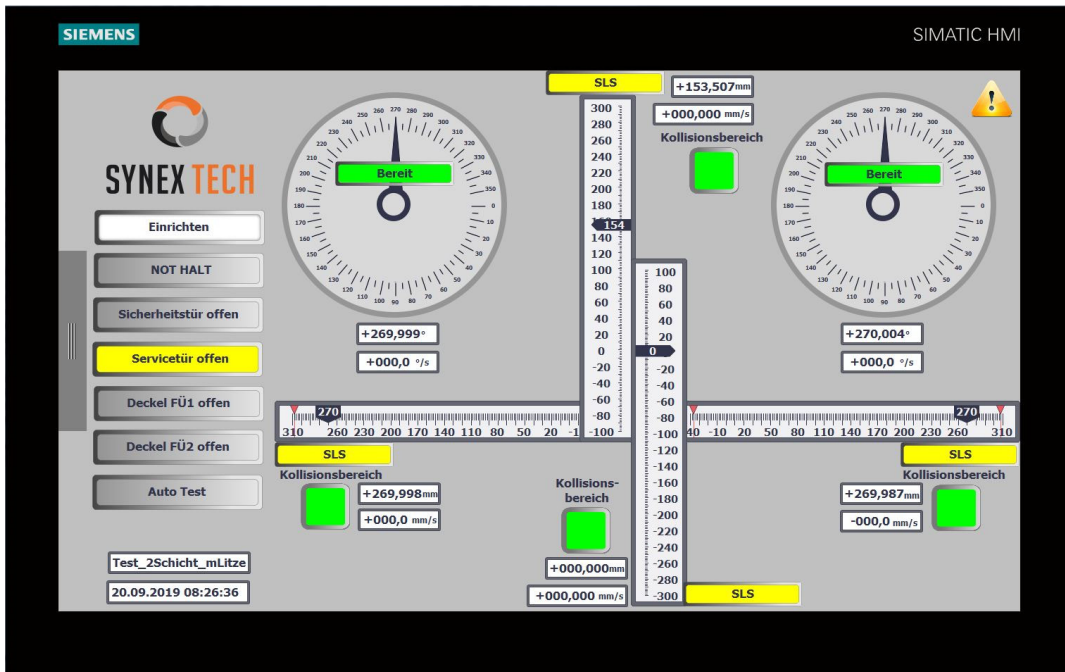


ADVANTAGES

- Ejection process - fixed die
- 2 freely programmable, highly dynamic servo drives for fast cycle times
- Freely programmable press curves
- 2 freely programmable filling systems for multi-layer pressing
- 100% monitoring of press force and press stroke
- Individual force monitoring for each press cavity - up to 9 cavities
- Integrated bad part switch
- Pneumatic cable cutter with precise cable length $\pm 0,25\text{mm}$

- Active cable unwinding system
- Small footprint (1300mmx1700mm)
- Tool directly installed
- Flexible setup for the widest possible coverage of the product range with only one machine
- State-of-the-art safety technology for maximum operator protection
- Energy- efficient and highly dynamic by using braking energy
- Low maintenance and operating costs
- Gearless direct drives
- Long spindle life

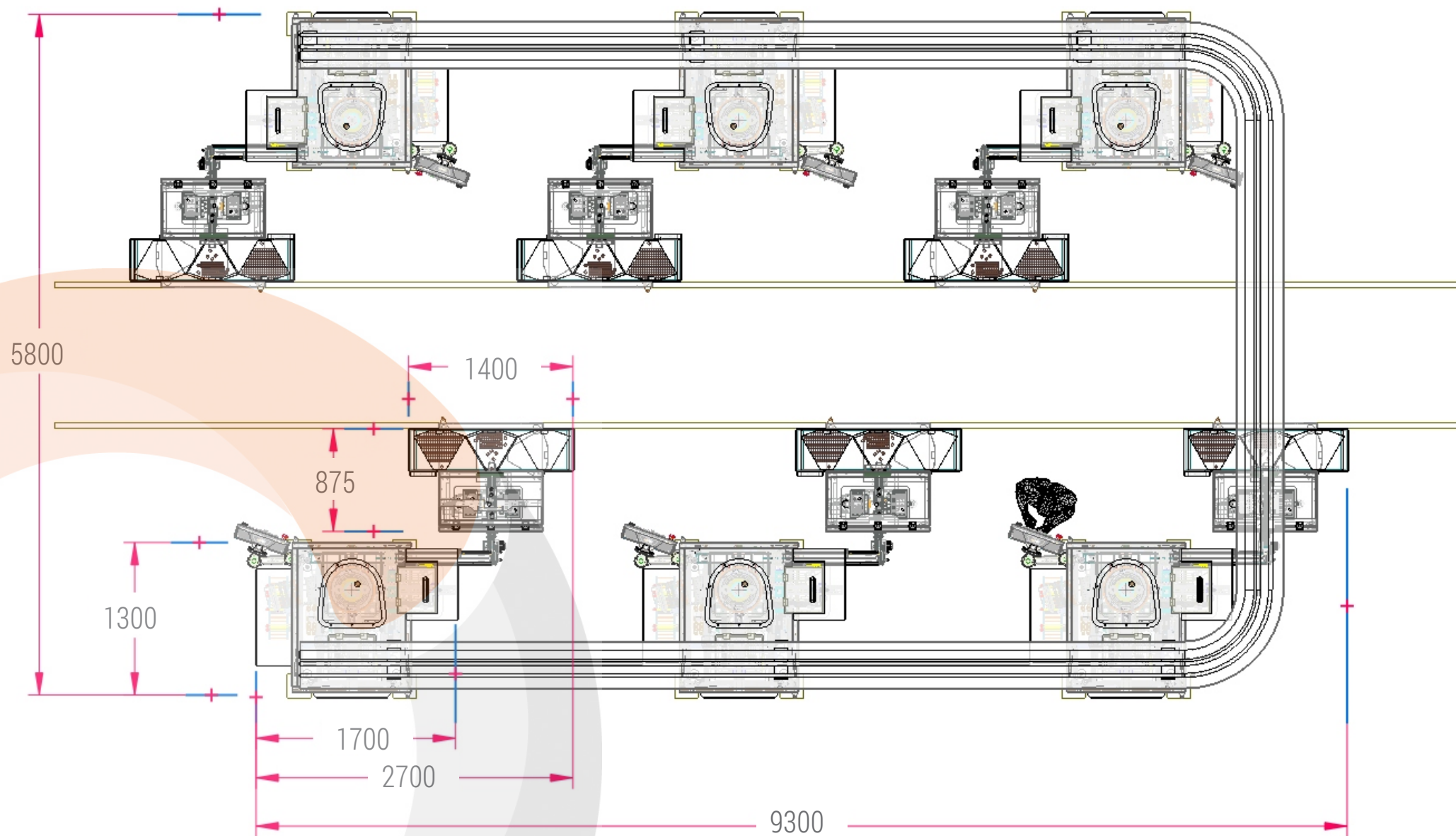




MODERN TECHNOLOGY EASY TO USE

STATE OF THE ART GUI INTERFACE

- Intuitive user guidance
- Central recipe management
- Storage of production data
- Connection to PDA system
- Remote maintenance
- Optional:
Operation of several presses with central control station
- Optional:
Production monitoring with mobile terminal,
coupled with central control station



COMPACT ARRANGEMENT

SPACE-SAVING PRESS DESIGN





TECHNICAL DATA

- Force upper piston *1-300kN
- Force lower piston *1-300kN
- Stroke upper piston 200mm
- Stroke lower piston 200mm
- Traversing speeds 200mm/s
- upper piston/ lower piston
- Stroke rate ca. 30 Hube/min.

*3 years durability of the press drives at an average load of 100kN and optimal maintenance. Quick change of the drives possible for short downtimes.



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