

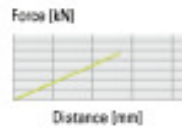
UNIVERSAL ASSEMBLY PRESS PROMESS-RAPID

- Short cycle time and high speed for a broad range of applications
- Compact design, easy to integrate into existing systems



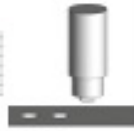
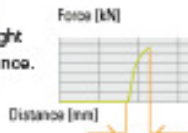
JOINTING

rotor shafts with exact press in position.



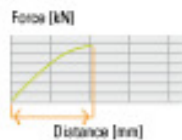
MOLDING / SHAPING

Detection of the part height and relative shaping distance. Repeat accuracy of the programmed force of $\pm 1\%$.



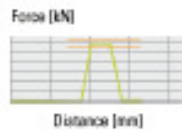
PRECISE THROUGHPUT

thanks to very exact tolerance ram positioning.



STAMPING

with constant monitoring of cutting force and sheet thickness.



Functional principle

UNIVERSAL ASSEMBLY PRESS PROMESS RAPID

The performance of the Universal Assembly Press PROMESS RAPID is comparable to linear motor systems but it offers a better energy efficiency. The unit reaches speeds of 500 mm/s and an acceleration of 30 m/s^2 . It is designed for forces of up to 5 kN and is suitable for all kinds of assembly and monitoring tasks requiring short cycle times

The PROMESS RAPID features an integrated force-distance-monitoring which guarantees for consistent quality of the production process. Equipped with an extremely robust set-up it is suitable for long periods of use. The assembly press comprises of the following components: housing, drive, AC-servomotor, gear, force transducer, press ram.

CHARACTERISTICS

- Speed: max. 500 mm/s
- Acceleration: 30 m/s^2
- Nominal force: 5 kN, further sizes upon request
- Holding time of nominal force: min. 3 sec.
- Repeatability: $< 0,05 \text{ mm}$
- Stroke: 90 mm
- Bus systems: Profibus, Profinet, Modbus-TCP, Ethernet/IP

SCOPE OF SUPPLY

Press mechanics, servo amplifier, software, cable set

ACCESSORIES

Press rack, cable sets, interfaces

SERVICE

Installation and start-up support, process analysis, pre-tests, consulting