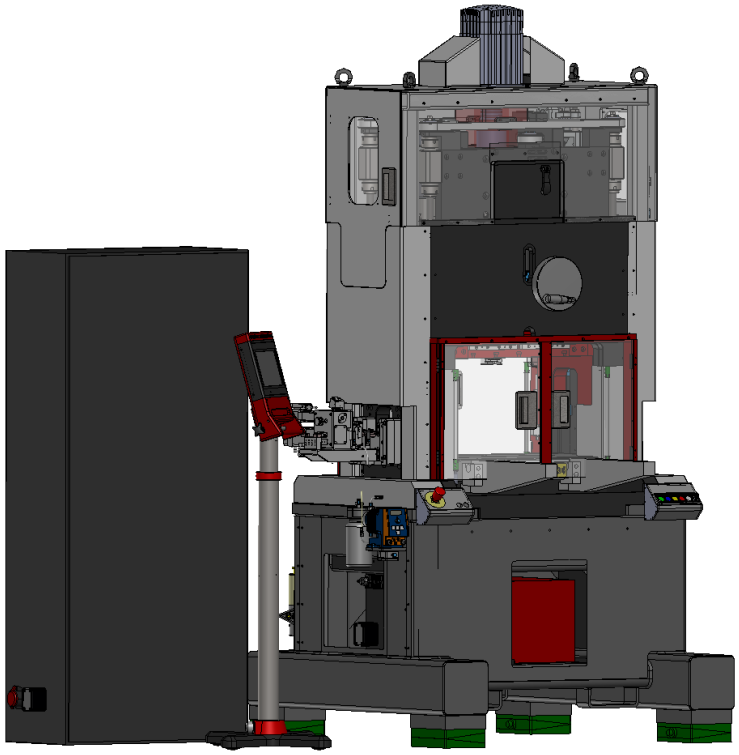
Datasheet

TX-100 S

Precision servo press



Technical data:

Forming force, dependent on cam:	100 kN
Stroke, dependent on cam:	Standard 13mm
Tool installation height, in UT:	264mm to 324mm
table surface	Width 640 x depth max.450 (depending on tool clamping)
Stroke position adjustment	60mm
Belt running height above table	93mm ±15mm
Height of table surface above hallway	1038mm
Weight	Completely approx. 3900kg
Control cabinet	Standing separately
Price	Price on request
Max. number of strokes at 8mm stroke	600/min

Features of the TX-100S (standard equipment):

- Precision press with servo-mechanical drive concept with 100kN forming force and a stroke frequency of up to 400min-1 (at 13mm stroke height) Design according to performance level “d”
- Digital position measuring system (resolution 0.002mm) for displaying the ram stroke position and the ram stroke.
- Separate control cabinet in special paint RAL 7106 (color like machine frame) with 2 PCE sockets (16A) for peripherals.
- Fixed stroke (initial equipment selectable between 8-45mm) via cam gear with quick-change system for quick changing of the cams, enables process-optimized ram movement via defined movement law (according to VDI2143).
- IPC press control with touch panel.
- Press control with integrated curve generator for further process optimization using electronic curves (overlaying the mechanical curve with an electronic curve also enables pulsation techniques).
- Optimum ram guidance via a profile rail guidance system with 12 linear slides, the best guidance ratio, ideal damping properties and guidance up to the belt running level.
- Monitored, safe speed for set-up operation to move the ram step by step.
- Stroke position adjustment via 4-fold spindle gear.
- Integrated central lubrication.Integrierte LED Maschinenbeleuchtung.
- Integrated compressed air connection (required for central lubrication and belt oiler).
- Integrated force measurement for overload protection and process monitoring (Siegfried system).
- 2 pieces of connection strips for tool protection with 8 inputs (M12, 5-pin) and 8 outputs (M12, 5-pin).
- 1 piece of connection strip for peripherals with 8 inputs (M12, 5-pin).
- 2 220V sockets (for peripherals).
- prepared for attachment of roller feed (left/right).
- prepared for tool locating pin type 910.06.000 from Agathon or 212.16.04 from Fibro (and comparable sizes)

Additional options:

- Servomotor for ram position control when the machine is at a standstill (standard via handwheel).
- Servo drive for dynamic ram position control during operation, coupled to process control. Requires the digital position measuring system.
- Dynamic mass balancing for optimized smooth running.
- Vibration-optimized machine frame.
- Servo roller feed EX-50, with servo-controlled intermediate ventilation
- Belt lubricator with precision metering pump.
- Adjustable belt guide with belt end switch.
- Roller conveyor guide
- Transverse movement with SEM module, including mounting kit.
- Lower movement with SEM module, including mounting kit.
- Integrated remote maintenance.
- • Cantilever consoles for convenient tool changingFarbgestaltung nach Wahl des Kunden

Front view:

