Datasheet

TX-40 E

Precision servo insertion press



Technische Daten:

Forming force, dependent on cam:	40 kN
Stroke, dependent on cam:	Standard 25 mm
Tool installation height in UT:	145mm to 175mm
Tool installation area	Width 335 x depth 255mm
Stroke position adjustment	30mm
Belt running height above press table	65mm ±15mm
Height of table surface above hallway	930mm
Weight	ca.2000kg
Control cabinet	integrated
Max. number of strokes at 8mm stroke	750/min
Price	Price on request

(actual information may vary due to technical improvements and must be checked in detail when placing an order)

Features of the TX-40E (standard equipment):

- Precision press with servo-mechanical drive concept with 40kN forming force and a single stroke frequency of up to 100min-1 (at 25mm stroke height)
- Execution according to performance level “e”
- Fixed stroke (initial equipment selectable between 8-26mm) via cam gear with quick-change system for cam discs, enables process-optimized ram movement via defined movement law (according to VDI2143).
- IPC press control (Beckhoff) 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 plunger guidance via specially developed sliding guides
- Monitored, safe speed for set-up operation to move the ram step by step.mechanische
- Stroke position adjustment.
- Integrated central lubrication.
- Integrated LED machine lighting.
- Integrated compressed air connection (required for central lubrication and belt oiler).
- Integrated force measurement for overload protection and process monitoring.
- 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).
- Preparation for attachment of roller feed EX-50 (left/right).
- Integrated control cabinet
- Tool mounting pin from Agathon 900.03.000 suitable for Agathon coupling pins Norm 800 and 810

Additional options:

• Cams with different strokes and laws of motion
• Digital position measuring system (resolution 0.002mm) for displaying the ram stroke position and the ram stroke.
• Ejection module from above
• Spring pressure cell from below.
• Servo roller feed EX-50, with servo-controlled intermediate ventilation
• Belt lubricator with dosing 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
• ergonomic armrests
• Flexible lighting with gooseneck, optionally dimmable