SCHMIDT® TorquePress

Torque-Power for Servopress

High-dynamic, powerful and low operation costs – these are the advantages of using a torque motor in the new **SCHMIDT® TorquePress 200** with 200 kN (45,000 lbs) nominal force and 500 mm (19.68") stroke.

Torque motors are used for fast and precise movement and positioning tasks and make high forces possible. Due to the hollow shaft design mechanical elements such as gears, clutches or belts are not necessary. These components, when operated under load, are subject to considerable wear, and since these elements are not present in the torque press there is a substantial savings in maintenance costs. A very ridgid construction and the production of high forces with no mechanical force augmentation result in an excellent overall performance dynamic.

Compared to high ratio electric motor driven presses the **SCHMIDT® TorquePress 200** has much lower inertia and therefore a much faster acceleration and deceleration. The noise level remains remarkably low under all load conditions. **SCHMIDT® TorquePress 200**, like all **SCHMIDT® Servo Presses**, is permanently load stable due to its active temperature-controlled cooling. A mechanical overload protection is automatically activated when the maximum force of 250 kN (56,000 lbs) has been exceeded.

SCHMIDT® TorquePress 200 features a highly precise, wearfree ram roller-guide, an integrated fail-safe force-stroke monitoring, and a true closed loop force control integrated in the drive control (continuous force control). The integrated two-channel category 4 safety technology allows the EC-type approval for complete systems, which is required for manual load work stations.

Technical Data	
Force F max.	56,000 lbs / 250 kN
Force F at 100 % ED	45,000 lbs / 200 kN
Ram stroke	19.68 inch / 500 mm
Resolution (drive control)	< 0.0004 inch
Process data acquisition Force Stroke	 8 µm/inc. / 0.00031 inch 100 N/inc. / 22.48 lbf/inc.
Ram speed (max.)	7.87 inch/s (200mm/s)
Overload protection	Mechanical
Service life of the cycles acc. to standard operating profile	1 x 10^7
Drive	Planetary roller screw drive
Power supply	400 V 3~ / 32 A, 400 V power socket CEE
Weight / height resp. length - Module (approx.) - H-frame (approx.) - Press base	 1,543 lbs / 89 inch (upright resp. horizontal) 2,161 lbs / 33.46 inch (upright resp. horizontal) approx. 276 lbs / height flexible
Control unit	**SCHMIDT® PressControl 5000**