

SCHMIDT® Torque Press 200

Torque-Power for Servo Press

High-dynamic, powerful and low operation costs – these are the advantages of using a torque motor in the new **SCHMIDT® Torque Press 200** with 200 kN (44,960 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 rigid 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® Torque Press 200** has much lower inertia and therefore a much faster acceleration and deceleration. The noise level remains remarkably low under all load conditions. **SCHMIDT® Torque Press 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 (56,202 lbs) has been exceeded.

SCHMIDT® Torque Press 200 features a highly precise, wear-free 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.	250 kN/56,202 lbs
Force F at 100 % ED	200 kN/44,960 lbs
Ram stroke	500 mm/19,68 inch
Resolution (drive control)	< 0,1 µm/<0.0004 inch
Resolution, process data acquisition	
- stroke	8 µm/inc./0.0003 inch
- force	100 N/inc./22.48 lbf/inc
Ram speed (max.)	200 mm/s/7.87 inch/sec
Overload protection	mechanical
Service life of the cycles acc. to standard operating profile	2 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	700 kg / 2260 mm -(1543 lbs/7.4”) (upright resp. horizontal)
- H-frame	980 kg / 850 mm -(2161 lbs/89”) (upright resp. horizontal)
- press base	approx. 100 kg (220 lbs) / height flexible