



# STRECON Tool Assembly Press 250T/500T

## Press design

STRECON has developed a hydraulic press unit for tool assembly, die setting, and disassembly, assembled by press fitting with up to 500T in press force. The press frame is stripwound and ensures an effective compression of the steel frame. Even at max press load, the frame remains in a fully compressive state.

The press is equipped with a 600 bar high-pressure hydraulic power pack, proportional valve technique, and easy to operate for manual pre-setting of the required pressure force. The press is equipped with an adjustable speed function when the press cylinder is under loading, namely 0,5 - 2 mm/sec. and automatically activated when the cylinder load is exceeding approx. 10T. These design features offer a smooth, safe, controlled and user-friendly operation of the tool assembly press.

The front side of the tool assembly press has been reserved for the tool handling. The sliding press table ensures an open, proper positioning and setting of the tools before being moved into the press room. The control panel is placed just next to the press table and provides a perfect view of the press operation.

The hydraulic power-pack and electrical cabinet has been installed into the press body, and TAP represents a compact and easy-to-install equipment solution compared to conventional tool assembly presses.

The TAP machine is available with the following options: Force / Stroke measurement system from Schwer & Kopka, axial prestressing, and time delay.

## Use in Industry

Tool assembly, die setting and disassembly is an important procedure for any kind of tools used for precision operations like in cold, warm and hot forging, bar drawing, bar extrusion, deep drawing, powder compaction, and other high-pressure applications. TAP has been delivered to customers in Europe, the Far East, and in the US.

<b>Press sizes</b>	1500 kN / 2500 kN	4000 kN / 5000 kN
<b>Workspace</b>	B560 x L560 x H500 mm	B650 x L650 x H500 mm
<b>Overall dimensions</b>	B800 x L1330 x H2320 mm	B1100 x L1600 x H2450 mm
<b>Weight</b>	2200 kg	4300 kg
<b>Stroke length</b>	150 mm	200 mm
<b>Speed</b>	Idle speed approx. 35 mm/s  Pressing speed approx. 0,5 – 3,4 mm/s	Idle speed approx. 20 mm/s  Pressing speed approx. 0,5 – 1,7 mm/s



Stripwound press frame construction



Press Control with Schwer+Kopka force / stroke measurement system