



STRECON Tool Press Assembly

Press design

STRECON has developed a hydraulic press unit for tool assembly, die setting, and disassembly, which currently is available up to 500 metric ton in press force. Like the STRECON containers, the press frame is stripwound and is effectively compressed. Even at max press load, the frame is designed to remain in a fully compressive state.

The press is equipped with a 600 bar hydraulic power pack and proportional valve technique. In addition, the press has an adjustable speed function on both the higher-pressure and the low-pressure circuits. The high-pressure circuit is activated when the load exceeds 10 ton. These design features offer a smooth and controlled 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 itself. 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 represents a compact solution compared to conventional tool assembly presses.

The tool assembly press 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. The tool assembly press has been delivered to customers in Europe, the Far East, and in the US.

Press sizes	1500 kN / 2500 kN	4000 kN / 5000 kN
Workspace	B560 x L560 x H500 mm	B650 x L650 x H500 mm
Overall dimensions	B800 x L1330 x H2320 mm	B1100 x L1600 x H2450 mm
Weight	2200 kg	4300 kg
Stroke length	150 mm	200 mm
Speed	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