



# Tool Assembly Press (TAP)

## Press force 300T / 650T

### Press design

STRECON offers a hydraulic press unit with press force up to 650T for assembly, axial prestressing, and disassembly of tools and molds by press fitting. The press frame is stripwound to ensure a very strong and compact press design. Even at max press load, the press frame remains in a fully compressive state.

The press is equipped with a 600 bar hydraulic power pack and proportional valve technique. It is easy to operate with the possibility to manually set and adjust the available press force during operation. The tool assembly press is equipped with an adjustable idle speed function on the low-pressure circuit. For carrying out the tool assembly, a slower cylinder speed of ~1 mm/s is automatically activated when the cylinder has contact to the tooling object.

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

The TAP machine is very safe and cannot be operated with an open door. However, it can be opened for axial prestressing of the die set or mold. In such cases, the operator has safe and easy access for mechanical locking of the tooling with a special spanner while the tool stack is kept under static pressure. This design feature offers a smooth, controlled, safe, and user-friendly operation of the assembly press.

The hydraulic power pack and electrical cabinet have been integrated into the press body, which makes it easy to relocate the equipment by means of a forklift. The tool assembly press can easily be installed at the production line or in the tool shop, and it is easily connected to the power- and pneumatic air supply, respectively.

### Use in Industry

Tool assembly, axial prestressing, and disassembly are important procedures for tools and molds used for precision metal form operations like cold and warm forging as well as and other high-pressure applications subject to assembly by press fitting.

<b>Press capacity</b>	3000 kN	6500 kN
<b>Workspace</b>	W400 x D500 x H400 mm	W545 x D750 x H515 mm
<b>Overall dimensions</b>	W1250 x D1250 x H2150 mm	W1335 x D1370 x H2245 mm
<b>Weight</b>	2500 kg	3750 kg
<b>Stroke length</b>	305 mm	305 mm
<b>Speed</b>	Idle speed approx. 10 mm/s	Idle speed approx. 10 mm/s
	Press speed under load ~1 mm/s	Press speed under load ~1 mm/s



Stripwound press frame construction



Press design