



Tool Assembly Press (TAP) Press force 150T

Press design

Hydraulic press unit with press force 150T designed for assembly, axial prestressing, and disassembly of tools and molds by press fitting. The strong mechanical construction allows for a compact and ergonomic design. Even at max press load, the press frame is designed to have minimal deflection and remains fully elastic.

The overall equipment dimensions for the TAP 150T press are W800 x D565 x H2100 mm, and the total weight is approx. 1100 kg.

The press is equipped with a 250 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 control panel is located 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, for axial prestressing of the die set, the operator is allowed a 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 install or 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 other high-pressure applications subject to assembly by press fitting.

Press capacity	1500 kN
Workspace	W373 x D495 x H350 mm
Overall dimensions	W800 x D565 x H2100 mm
Weight	1100 kg
Stroke length	200 mm
Speed	Idle speed: 13 mm/s Press speed under load ~1 mm/s



Press with spanner-slot frontdoor design



Press control panel