



Tool Assembly Press (TAP)

Press force 100T / 150T

Press design

Hydraulic press unit with press force at 100T or 150T and designed for assembly, die setting, and disassembly of tools and molds by press fitting. The construction is strong and 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 100T/150T press are W800 x D565 x H1975 mm, and the total equipment weight is approx. 750 kg.

The press is equipped with a 250 bar hydraulic power pack, proportional valve technique, and is easy to operate for manual pre-setting and adjustment during operation of the required press force. The tool assembly press is equipped with an adjustable idle speed function on the low-pressure circuit, and the cylinder speed under tool loading is fixed to 1 mm/sec. and 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 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, 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 simply connected to the power- and pneumatic air supply, respectively.

Use in Industry

Tool assembly, die setting 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 sizes	1000 kN / 1500 kN
Workspace	W375 x D485 x H350 mm
Overall dimensions	W800 x D565 x H1975 mm
Weight	750 kg
Stroke length	200 mm
Speed	Idle speed: approx. 15 mm/s Press speed under load approx. 1 mm/s



Press design



Press control