



Prestressing Tool System (PTS) /V-Type

Tool design

PTS is a new tool system that can be customized to the vertical press machines and is essentially designed to substitute the standard tool system. PTS is an abbreviation of Prestressing Tool System and expands the technology of high-strength stripwound containers for optimizing the radial prestressing of the forging die. In short, PTS is offering additional strength and controlled prestressing of the die compared to a standard tool system. Consequently, PTS would offer unique possibilities for improving the service life of the forming die and high reusability of the prestressing tool system itself.

Depending on the type of press and machine maker, PTS consists of a housing that is clamped directly to the press table. The die set may be preassembled before being mounted into the PTS assembly. Radial prestressing is provided by the high-strength stripwound container while controlled axial prestressing of the die stack is ensured with a special-designed top lid.

In short, PTS is offering additional strength and a fully controlled prestressing of the die set compared to a standard tool system and would normally lead to improved service life of the forging die and the prestressing tool system itself.

Use in Industry

The Prestressing Tool System (PTS) can be used at all types of cold forming vertical press machines but the implementation of PTS for a vertical press would be subject to customization in each case including both analytical calculations and a customized tool design.

For information and specific inquiries, please contact STRECON by email at info@strecon.com.

