



## Prestressing Tool System (PTS)

### Tool design

PTS is a new tool system developed for the horizontal press machines and designed to complement 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.

PTS consists of a housing that is clamped directly to the press machine. The die set is preassembled before being inserted into PTS, and then a top lid is mounted at the front of PTS while providing axial prestressing to the forging die(s). The axial prestressing itself is delivered by special-designed anchor bolts, which pull the top lid to a preset position. The forging die itself is radially prestressed by a high-strength stripwound container.

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. Specific calculations needed in each case.

### Use in Industry

The Prestressing Tool System (PTS) can be used at all types of cold forming horizontal press machines but subject for customization to the individual press machine and customer. Examples of horizontal press machines are Hatebur, Sakamura, National, Nedschroef, Sacma as well as other horizontal formers.

For information and specific inquiries, please contact STRECON by email at [info@strecon.com](mailto:info@strecon.com).

