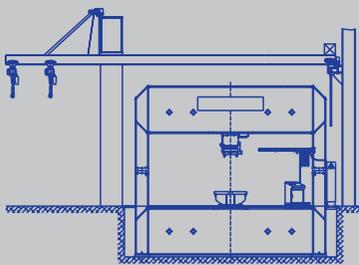


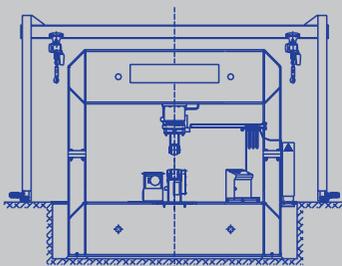


## Ship Building Presses

smt - Ship building presses for the three-dimensional, precise cold forming of outer shell plates for ships.



ship building press with rotary table and semi gantry cranes



ship building press with roll press unit and full gantry cranes

One crane bridge each with 2 trolleys is positioned in front of and behind the hydraulic ship building press. The work piece being suspended at all 4 corners is manipulated underneath the press ram from a central operating panel. The cranes are supplied in various designs, e.g. semi gantry cranes or full gantry cranes.

The press table can be turned by 360° by means of a motor. The upper die can be turned manually. All relevant production parameters, such as stroke length, stroke speeds, stroke sequences and pressing powers are adjusted via an operator panel and are visualized.

The press rotary table can be completely exchanged against a roll press unit, then the upper roll will be fixed to the ram. With this procedure long work pieces can be formed three-dimensionally. The roll press unit and the cranes are working synchronously.

The production of ship outer shell plates with our crane-automated ship building presses is an innovative procedure for ship yards and their subcontractors:

- Flexible and efficient production of simple, long work pieces with comparatively little deformations up to complicated geometries only on one machine.
- Synchronized production by an integrated control and operation for the press movement and the crane manipulation.
- Solid Schleifstein-quality which is state-of-the-art.
- Support by our services worldwide, also by remote assistance.
- High availability of the machines supplied by the specialist for hydraulic frame presses.

smt - Ship Building Presses are multi-talents:  
pressing | spinning | rolling | stretching | levelling | bending | lifting | dishing

## Technical Data

### Ship Building Presses with Crane Manipulators

In various designs and sizes:

Pressing force 2000 kN – 10000 kN  
 Clear width of press frame 4000 mm – 10000 mm

Standard equipment  
 Electric control Siemens S7  
 Hydraulic control Bosch-Rexroth

Accessories

- special manipulating cranes with integrated control
- pressing dies
- roll press unit
- swivelling crane for die change



arrangement of several ship building presses



single press with cranes



ship building press with strut die



ship building press with mounted roll press unit