

STENHØJ Broaching Machine



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THE LONG LIFE BROACHING PROCESS PROVIDES A RANGE OF BENEFITS:

- Significantly increased life time for your tools.
- Improved tolerances and surface quality of your components.
- Optimal vibration conditions for the broaching tool.
- Minimum spatial requirements – direct floor-mounting.

RANGE:

SDZ Box, Standard or Wide model

Standard models with broaching forces of 60-160 kN and stroke lengths of 800-1250 mm; with 1 to 3 broaching stations.

- Suitable for broaching tasks in medium- and large sized batches.
- Built as a welded box construction, and featuring the electromechanical, vertical push-pull principle with high performance planetary roller spindles.

SDZ Tower or Table-up model

Standard models with broaching forces of 80-160 kN and stroke lengths of 800-1600 mm; with 1 to 4 broaching stations.

- Suitable for more complex or demanding broaching tasks in large batches.
- Built as a welded tower construction in an easy-to-service cabinet, and featuring the electromechanical, vertical push-pull principle with high performance planetary roller spindles.
- Also available as table-up model.

SDZ Counteracting model

Standard models with broaching forces of 120-200 kN and stroke lengths of 1000-2000 mm; with 1 to 3 broaching stations.

- Suitable for complex broaching tasks and large batches that require high broaching speeds.
- Built as a welded tower construction in an easy-to-service cabinet and featuring the electromechanical, vertical push-pull principle with high performance planetary roller spindles.

Control systems

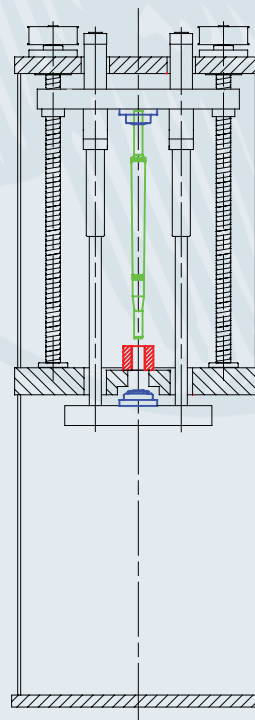
- A PLC-based control unit with servo drive to control the broaching speed and force.
- A touch screen or PC-based user panel for manual two-hand operation. Also suitable for automatic operation with feeding equipment.

PATENTED BROACHING CONCEPT FOR

- Push-Pull principle
- Synchronous radial tool clamping

CONCEPT:

The patented push-pull principle – with the push and pull bridge in a closed frame and fixed radial clamping of tool at shaft & end – provides a vibration-free broaching process that results in improved tool life time compared to conventional broaching processes.



LONG LIFE BROACHING TECHNOLOGY

- The broaching tool is clamped at both its pull and tail ends throughout the broaching process.
- The broaching tool is pushed and pulled simultaneously.
- High pressure flushing is used to remove chips from the broaching tool.
- Electromechanical operation.



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STENHØJ HYDRAULIK A/S

DK-7150 Barrit

Tlf: +45 7682 1322

Fax: +45 7682 1300

hydraulik@stenhoj.dk

www.stenhoj.dk