

Details

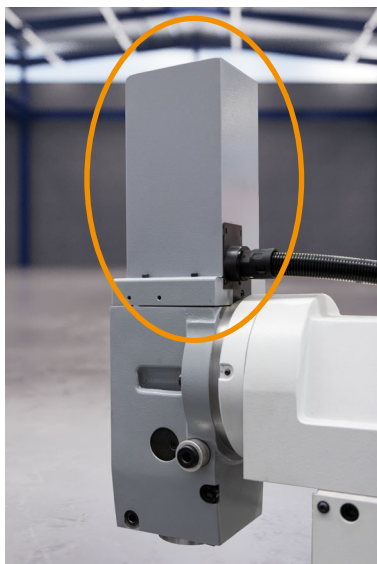
FPS 500M_{hydro}

Heidenhain Positip 8016 touch active - digital



Comfortable to operate active digital display with 12" touch screen for position value display, dialogs, inputs and graphic functions.

- Recurring work sequences can be grouped into programs.
- Programming of rectangular pockets with one cycle
- Distance-to-go operation with input of the nominal position in absolute or incremental dimension
- Probing functions for reference point determination (edge, centerline and circle center) also optionally possible with touch probe.
- Definition of program parameters (speed, feed rate, etc.)



Hydromechanic clamping system

The spindles, vertical and horizontal, are equipped with a hydromechanic tool clamping system.

Tool holder **SK 40 / DIN 69872** or **DIN 2080**

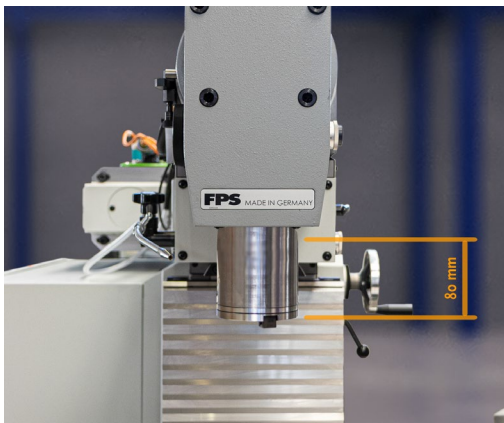
Details



Slidable milling head

The vertical milling head can be additionally moved **150 mm** in the longitudinal axis for maximum working range.

Thus increasing the **X - Y** working area to **500 x 550 mm**.



Telescopic vertical quill

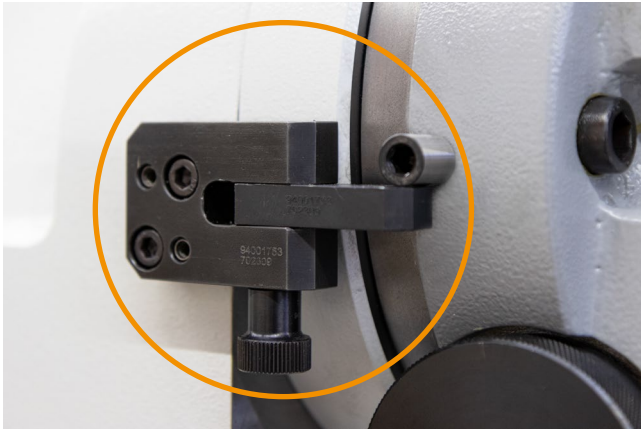
The vertical spindle is manually telescopic by **80 mm** and can be used as a drilling quill. Additionally the telescopic quill has a clamping feature.



Vertical milling head

The milling head can be swilled **+/- 90°** and can be positioned in any number of degrees via a scale.

Details



Locking at the milling head

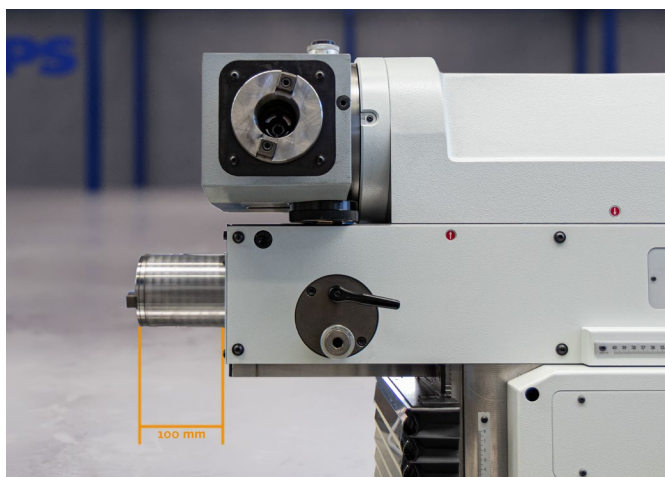
After the horizontal working or swiveling of the milling head it can be quickly brought back again in the **vertical position** via a locking and can therefore be **immediately repositioned**.



Horizontal working (Option)

For horizontal working the milling head must be swiveled by 90° and pushed backwards.

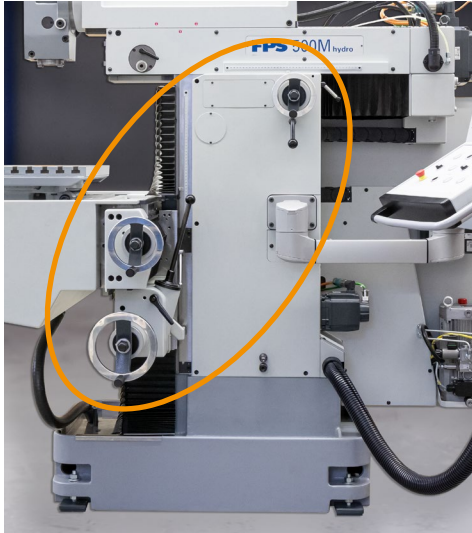
For horizontal machining, the vertical milling head does **not have to** be dismantled, it is pushed into the rest position. This makes changing the machining levels quick and easy.



Telescopic horizontal quill (Option)

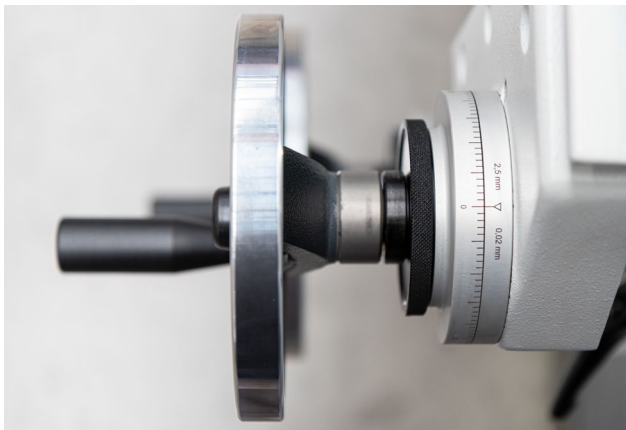
The horizontal spindle is manually telescopic by **100 mm** and can be used as a drilling quill. Additionally the telescopic quill has a clamping feature.

Details



Handwheels

Mechanical manual safety handwheels with additional scale ring in all axes with precision mechanical drive and sensitive response. The handwheels are arranged ergonomically and user-friendly for maximum ease of operation.



Handwheel scale

In addition to the digital display, a scale on the handwheel allows easy positioning.



Linear scale

The linear scale serves as a rough scale for an overview of the working position of the respective axis.

Details



Fixed table

The fixed table is included in the basic equipment of the machine.

It has a clamping surface of **800 x 480 mm** and the max. load is **300 kg**.

The fixed table has **six 14H12** slots and a center slot **14H7**, with a distance of **63 mm**.



Automatic central lubrication

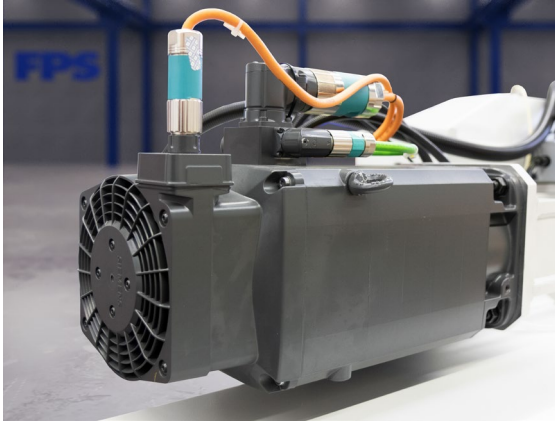
Lubrication of the guides and spindles due to a time interval.



Collant tank

Coolant tank with coolant pump integrated in the machine base.

Details



Main spindle drive

Main drive by a high-torque direct drive.

Speed range:

25 - 3000 rpm infinitely variable

Output power:

7.0 kW



Feed drive

Internal, infinitely variable, digital feed in all axes.

Feed range:

5 - 500 rpm infinitely variable

Rapid traverse:

1.5 m/min



Mobile swarf tray

Mobile swarf tray with swarf flap.

Details



Splash protection cabin (Option)

Universal splash protection cabin – open at the top – front (incl. sliding door) and right-hand door foldable.

The driving splash protection cabin is equipped with a dirt screen for filtering the coolant.

The flap on the front serves to empty the swarf.



*Data without safety distances