

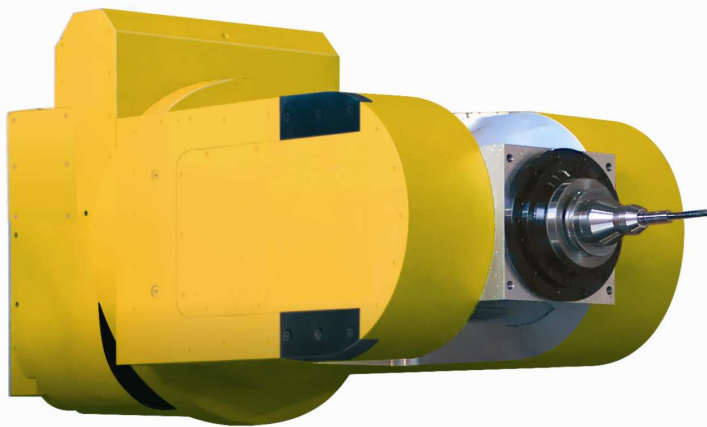


www.tosvarnsdorf.eu

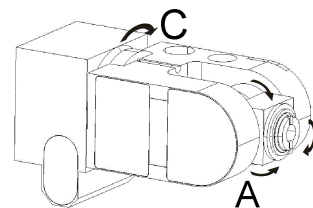
New goals need new solutions

**VARNSDORF
TOS**

Optional accessories



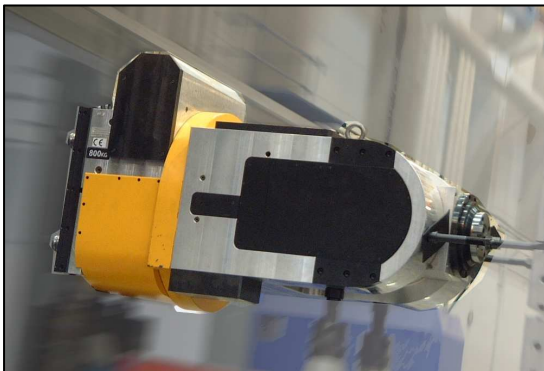
THE FORK TYPE MILLING HEAD DRIVEN BY THE SPINDLE OF THE MACHINE



The fork type continuous milling head with 1 or 2 axes driven by the spindle of the machine HV/V has been designed as a special technological accessory for the TOS VARNSDORF machines.

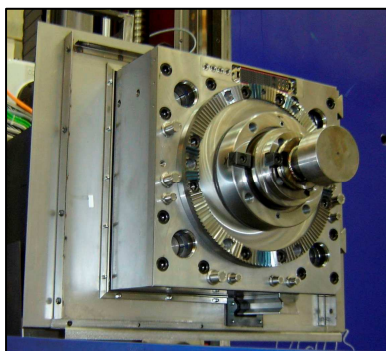
Due to its high power the head is suitable for universal machining at positioning to the general angle in both planes (upon clamping of both axes it provides for higher carrying capacity). The head allows also the permanent machining during the simultaneous movement of both axes.

FASTENING ON THE MACHINE



Fastening of the head on the RAM of machine is fully automatic.

Machines are necessary to adapt for automatic fastening/removing of the head on/from the machine with system PICK-UP.



OPTIONAL FIXTURE SUPPORT



Fig. 1

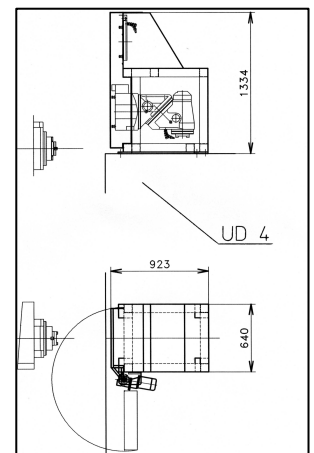


Fig. 2

The support (fig. 1) improves significantly the putting off the optional accessories determined for the automatic control of the PICK UP change.

Its execution (number of storage places, covers, etc.) is subject to prior consultation with the manufacturer.

Fig. 2: Example of the workplace with one PICK-UP for the HUI 50 head and an extra space for removing the cover of the RAM.

BASIC SPECIFICATIONS

Spindle taper		ISO 50
Spindle speed range	RPM	10 - 3,500
Power transmitted max	kW	22
Spindle torque max	Nm	500
Clamping torque of A and C axis	Nm	3,000
Operating torque of A and C axis	Nm	800
Rotation range in A axis	Deg	±100°
Rotation range in C axis	Deg	±190°
Accuracy of positioning of A and C axis	Deg	±5"
Max. speed of head rotation in axes A and C	RPM	5,1
Total weight (incl. flange)	kg	800

TOOL CLAMPING

The tools are clamped mechanically into the head spindle taper by means of belleville springs, releasing of the tools are performed hydro-mechanically with the source of pressure oil from the machine.

The head enables the tool change both in the automatic cycle as well as manually by means of buttons positioned on the separate panel.

TOOL COOLING

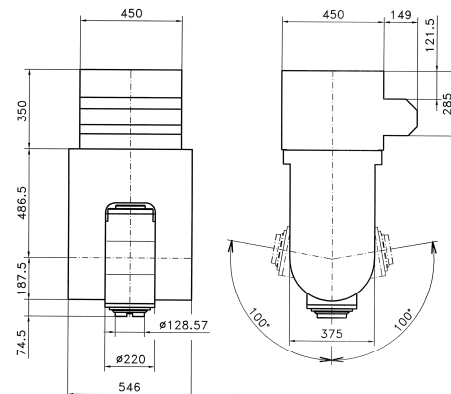
The head is adapted for tool cooling by means of outer nozzles, which are positioned on the face of the head, as well as for tool cooling through the spindle.

LUBRICATION

Lubrication of inner tooth gears, of the bearings of mounting of the working spindle and of the shafts is performed as the permanent grease one.



General design and arrangement



FURTHER INFORMATION
YOU CAN FIND ON OUR
NEW WEB PAGES
www.tosvarnsdorf.eu

