

# Overview

## Hydromat® HC Product Line *EPIC<sup>plus</sup>*



### Efficient spindle drives

40% of the total power consumption is taken up by industry. 65% of this is consumed by motors. Through improved energy efficiency of the speed-regulated drives, this consumption can be reduced by up to 50%. A further benefit is the flexibility to meet new requirements.



### Ready for the future

The Pfiffner I4.0 solution provides our customers with an overview of the state of the machine and an improved planning capability for maintenance and repairs. Condition monitoring is not only used to reduce downtime times, but also to guarantee process quality.



### 100% CNC

Rotary transfer machines have never been this flexible before. Being able to react quickly to changing requirements provides you with the decisive competitive edge.  
A safe investment in the future!



### Everything under control

Pfiffner sets the course: Setup mode and diagnostics displays are available at all times for a fast and targeted error analysis. As a result, your Hydromat® will be working in perfect sync and with maximum precision at a record time.



### Minimal setup times

Shorter product life cycles and increasing part diversity require a rapid retooling process. Thanks to the consistent modular principle and innovative configuration software, your Hydromat® will be fully operational again in a very short time.

			HC 25-12	HC 32-16	HC 45-12 HC 45-16	HC 52-12	HC 12-U HC 16-U
<b>Workpiece size</b>	Bars, round	ø	25	32	45	52	-
	Blank, cubic	mm	35 x 35 x 50	50 x 60 x 60	50 x 60 x 60	50 x 60 x 60	120 x 120 x 120
	Workpiece length	mm	100	150	170   150	170	200   150
<b>Rotary indexing table</b>	Clamping stations	Number	12	16	12   16	12	12   16
	Indexing time	s	0.5	0.7	0.7	0.7	1.0
<b>Number Machining units</b>	Horizontal	Number	12	16	12   16	12	12   16
	Vertical		6	8	6   8	6	6   8
	Spindles/axes		18 / 99	24 / 99	18   24 / 99	18 / 99	18   24 / 99
<b>Travel paths</b>	X axis	mm	±8.5	±15	±15	±15	±30
	Y axis	mm	±12.5	±30	±30	±30	±30
	Z axis	mm	+100	+120	+120	+120	+120
<b>Standard layout</b>	Dimension L x W x H	m	8.9 x 3.3 x 2.9	8.9 x 3.3 x 2.9	8.9 x 3.3 x 2.9	14 x 4.8 x 3.0	5.7 x 4.0 x 2.9
	Machine weight	t	approx. 4	approx. 6	approx. 6.5	approx. 7	approx. 8
<b>Loading</b>	direct from the bar with loading magazine, up to 6 meters   from coil   load blank via load handling or robot						