



**Pfiffner Rotary Transfer Machines**  
Precise, modular and efficient

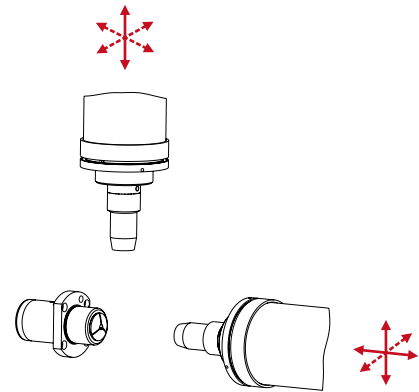
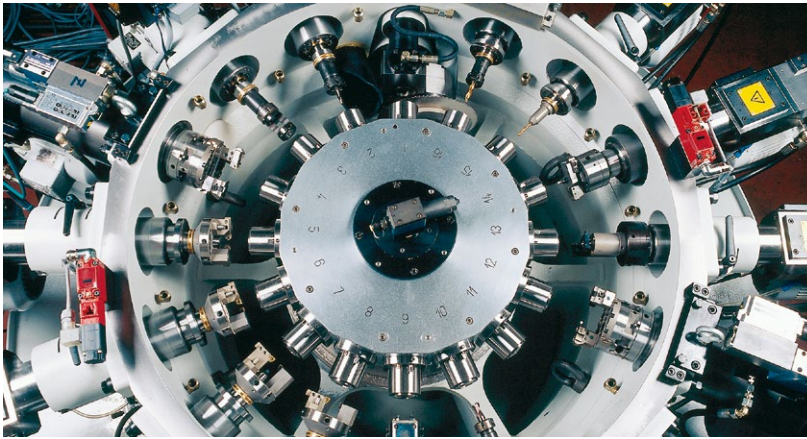
The Pfiffner Rotary Transfer Machines

PT – Production Transfer | RT – Rotary Transfer

AT – Advanced Transfer | Hydromat®

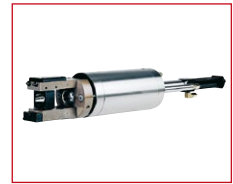
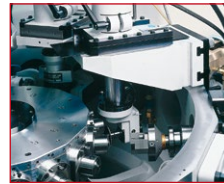
**Model overview**





## General features

- Modular concept unit
- Hydraulic technology
- Highest productivity (efficiency)
- Minimal maintenance costs



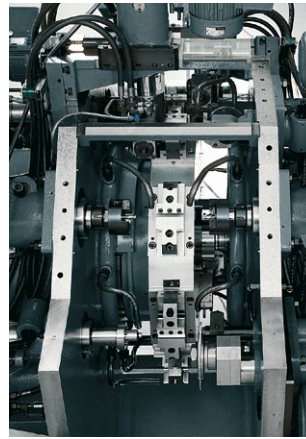
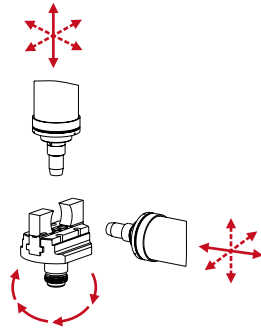
# Hydromat® Rotary Transfer Machine

		HW 25/12	HB 45/12	HB 32-16   HB 32-45/16
<b>Rotary indexing table</b>	number of stations	12	12	16
	clamping element	collet chuck	collet chuck	collet chuck
	indexing time	0,5 seconds	0,8 seconds	0,8 seconds
<b>Work piece dimensions (max.)</b>	bar material Ø	25 mm	45 mm	32 mm   45 mm
	cubic capacity	35 x 35 x 50 mm	50 x 60 x 60 mm	50 x 60 x 60 mm
	length capacity	100 mm	170 mm	150 mm
<b>Number of machining units</b>	horizontal	12	12	16
	vertical	6	6	8
	<b>total units</b>	<b>18</b>	<b>18</b>	<b>24</b>
<b>Machine size and weight</b>	l x w x h	8,5 x 3,6 x 3,2 m*	9,5 x 4,3 x 3,2 m*	9,5 x 4,3 x 3,2 m*
	approximate weight	4 tons	5,8 tons	6,5 tons

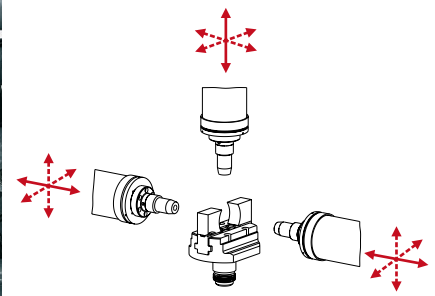
\* with bar feeder 4m



HS-machine

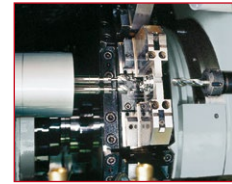
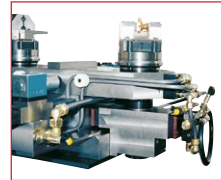


V-machine



### General features

- 5-side machining in one clamping (HS-machine)
- 3-side machining in one clamping (V-machine)
- Modular concept unit
- Hydraulic technology
- Highest productivity (efficiency)
- Minimal maintenance costs



## Hydromat® Rotary Transfer Machine - Universal

		HS-12   HS-16	V-8   V-12
<b>Rotary indexing table</b>	number of stations clamping element	12   16 chuck	8   12 chuck
	indexing time	1,0 second	1,0 second
<b>Work piece dimensions (max.)</b>	bar material Ø	120 x 120 x 120 mm	200 x 60 x 60 mm
	cubic capacity	100 x 100 x 100 mm	200 x 30 x 30 mm
	length capacity	200 mm   150 mm	300 mm
<b>Number of machining units</b>	horizontal	12   16	5+6   8+9
	vertical	6   8	5   8
	<b>total units</b>	<b>18   24</b>	<b>16   25</b>
<b>Machine size and weight</b>	l x w x h	5,5 x 5,5 x 3,2 m	9,0 x 3,8 x 3,6 m*
	approximate weight	8 tons   8,5 tons	6,5 tons   7 tons

\* with bar feeder 4m



## The world of Pfiffner's Rotary Transfer Machine

**Pfiffner is the world's leading producer of rotary transfer machines and offers the best solutions for work pieces at the high volume end.**

The Pfiffner Rotary Transfer Machine can work from bar, coil or with the automatic feeding of blanks. An intelligent modular system offers maximum flexibility. The Pfiffner machine specification is essentially determined by the work piece to be machined.

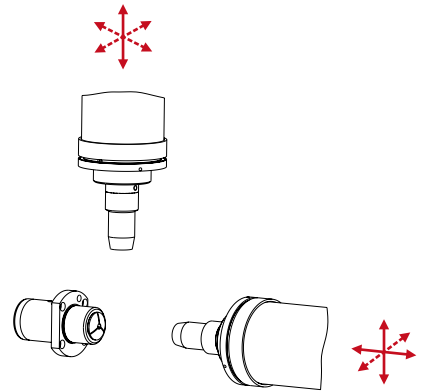
Drilling, turning, milling, reaming, threading, built-in measuring and assembly operations allow complex processes in one pass. The individual processing units, which are arranged around the indexing table, are able to handle all cutting manufacturing steps to produce required high-precision metal parts.

Pfiffner standardized through a brilliant concept the individual processing units and processing modules so that they are exchangeable at any time in the same series, with each other. This advantage opens up the production a welcome flexibility and the company a high investment protection.

If your annual production is more than 300'000 work pieces and its size is up to  $\varnothing$  52 mm or cubic parts up to 100 mm edge length, then the Pfiffner machines are worldwide the number one.

Worldwide more than 2'500 Pfiffner Rotary Transfer Machines are installed.





## General features

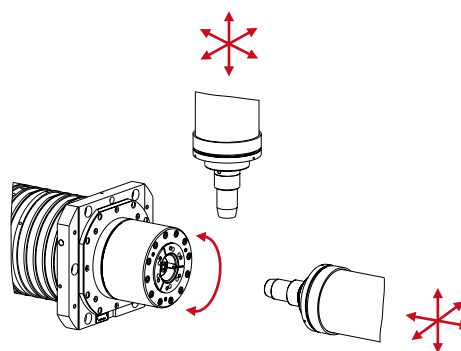
- Complete CNC-controlled
- Reliable inverting
- Single module technology
- Automatic chucking compensation (mapping)
- Convertible clamping system
- Each station scalable up to 5 CNC-axes



## PT – Production Transfer

		PT 52-12 CNC	PT 45-16 CNC
<b>Rotary indexing table</b>	number of stations	12	16
	clamping element	collet chuck	collet chuck
	indexing time	0,8 seconds	0,8 seconds
	<b>Work piece dimensions (max.)</b>	bar material Ø cubic capacity l x w x h capacity	52 mm 120 x 40 x 80 mm 150 mm
<b>Number of machining units</b>	horizontal	12	16
	vertical	5	7
	<b>total units</b>	<b>17</b>	<b>23</b>
<b>Machine size and weight</b>	l x w x h	14,0 x 4,8 x 3,0 m *	14,0 x 4,8 x 3,0 m *
	approximate weight	11 tons	13 tons

\* with bar feeder 4 m and peripheral equipment



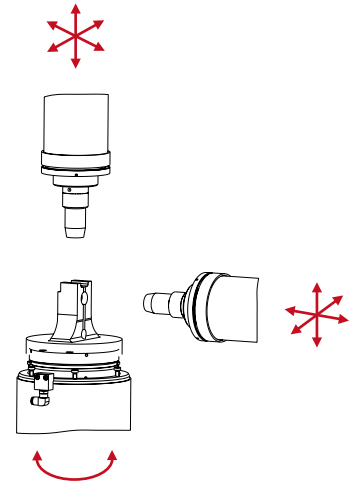
## General features

- Complete CNC-controlled
- Modular unit concept
- Processing on stationary and rotating work piece
- Multiple fixed and rotating tools
- 3 up to 6 multiple turret
- Free combinable horizontal and vertical processing



## RT – Rotary Transfer

		RT 100-6 CNC	RT 100-12 CNC
<b>Rotary indexing table</b>	number of stations	6	12
	clamping element	collet chuck	collet chuck
	indexing time	1,5 seconds	1,3 seconds
<b>Work piece dimensions (max.)</b>	bar material Ø	52 mm	52 mm
	cubic capacity	100 x 100 x 100 mm	100 x 100 x 100 mm
	length capacity	150 mm	150 mm
<b>Number of machining units</b>	horizontal	6	12
	vertical	6	6
	<b>total units</b>	<b>12</b>	<b>18</b>
<b>Machine size and weight</b>	l x w x h	6,0 x 8,0 x 4,0 m	6,0 x 8,0 x 4,0 m
	approximate weight	20 tons	22 tons



## General features

- Complete CNC-controlled
- Modular concept unit
- Up to 3 tools per station and up to 5 free programmable, interpolated axes
- With one clamping – 5 side processing
- Equipped with collets or chucks
- Holder and work piece building one unit



## AT – Advanced Transfer

		AT 150-10 CNC	AT 150-14 CNC
<b>Rotary indexing table</b>	number of stations	10	14
	clamping element	clamping pallet 150 mm	clamping pallet 150 mm
	indexing time	2,5 seconds	2,8 seconds
<b>Work piece dimensions (max.)</b>	bar material Ø	100 x 100 x 50 mm	100 x 100 x 50 mm
	cubic capacity	150 mm	150 mm
	length capacity		
<b>Number of machining units</b>	horizontal	9	13
	vertical		
	<b>total units</b>	<b>9</b>	<b>13</b>
<b>Machine size and weight</b>	l x w x h	5,5 x 6,0 x 3,5 m	6,5 x 8,0 x 4,0 m
	approximate weight	15 tons	20,5 tons

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always there for you.

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