

Milling heads

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New goals need new solutions

Options of milling heads application
on TOS VARNSDORF machines.



ASSORTMENT:
According to drive way:
– driven by the machine spindle
– with electro-spindle

Max. transmitted torque
1,200 Nm



Spindle speed
max.
4,000 RPM



ASSORTMENT:
According to spindle position setting:
– hand positioned
– automatically positioned
– continuously controlled

Automatic milling head exchange



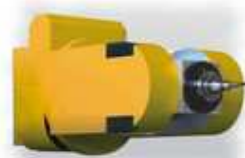
ASSORTMENT:
According to way of fastening on the machine:
– manual fastening
– half-automatic fastening
– automatic fastening



Technical parameters

		Hand positioned				Automatically positioned					Continuously contr.		
		driven by the machine spindle				driven by the machine spindle					driven by the spindle	with electro-spindle	
Head designation		UFP (40,50)	FP (40,50)	HPR50	HUR50	HPI50	HPIT50	HUI50	HOI50	HOF50	HV/V	HV/E-H	
Basic parameters	Number of axes	2	1	1	2	1	1	2	2	2	2	2	2
	Spindle speeds (RPM)	900	900	3,000	3,000	4,000	2,500	3,000	4,000	4,000	3,500	22,000	18,000
	Power (kW)	10	10	25	20	37	70	32	37	37	22	20	28
	Torque (Nm)	250	250	1,200	1,000	1,200	2,500	1,000	1,200	1,200	300	30	90
	Positioning way	hand	hand	hand	hand	index 1°	4x 90°	index 2,5°	index 1°	index 0,001°	0,001°	0,001°	
Usage by the machine	WH 10 CNC	✓	✓	✓									
	WH 105 CNC			✓	✓								
	WHN 110			✓	✓								
	WHN 130			✓	✓			✓					
	WHN 13/15 CNC	✓	✓	✓	✓			✓					
	MAXIMA			✓	✓	✓	✓	✓	✓	✓	✓		
	WRD 130/150/170			✓	✓	✓	✓	✓	✓	✓	✓		
	GRATA			✓	✓	✓		✓	✓	✓	✓		✓
	PRIMA			✓				✓					✓
	OPTIMA / VARIA			✓	✓			✓	✓	✓			✓

HPR50
HPI50
HOI50
HV/E-H

HUR50
HUI50
HV/V


Widening of technological options

- power milling of tilted surfaces
- milling and boring of „fifth“ (upper) workpiece side
- finishing of shape complicated workpieces
- machining of easy-machined materials



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