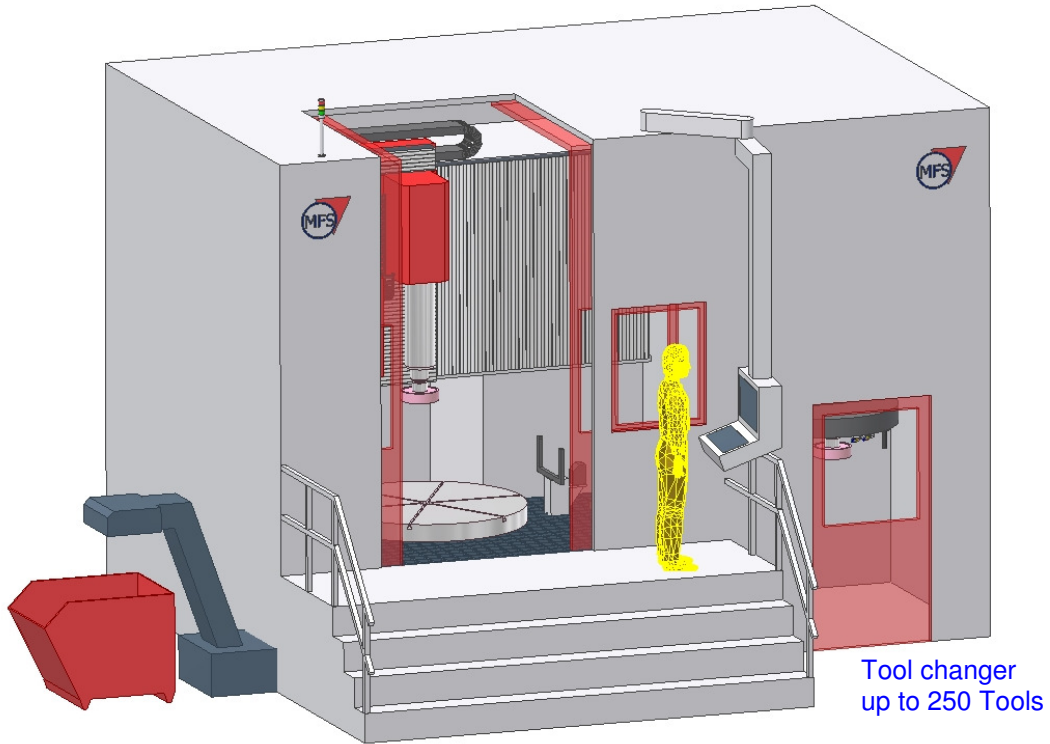
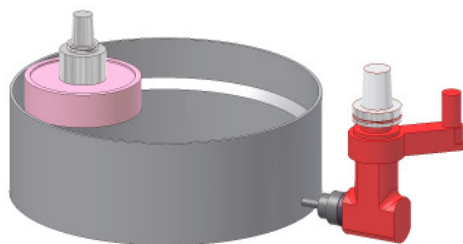


- for single part and serial production
- very universal
- very high Precision
- very high powers
- with patented vibration absorbing system



Tool changer
up to 250 Tools

Work piece - Ø	up to	mm	1900
Work piece - height	up to	mm	900
Work piece weight	up to	kg	12000
Grinding disk - Ø	up to	mm	500
Tool changer	up to	n	250
further data's on demand			



Milling crossheads
up to 150 Nm, up to 4000 rpm

Grinding disk
up to Ø 500 mm

Technical Data

Vertical- Grinding- Lathe- Boring- Milling - Center

Type	VC-SDF 2	800	1000	1200	1400	1600	1800
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Grinding- lathe- table: C- Axis

Face plate Ø		mm	800	1000	1200	1400	1600	1800
Circulation - Ø		mm	900	1100	1300	1500	1700	1900
Work piece - Ø		mm	900	1100	1300	1500	1700	1900
Work piece - height		mm	400	500	600	700	800	900
Work piece weight	bis	kg	2500	4000	6000	8000	10000	12000
Revolutions	bis	U/min	450	380	280	200	150	120
Torque	bis	Nm	8000	10000	12000	15000	18000	20000
Power	bis	KW	50	50	60	60	70	70

Travels:	longitudinal	X	mm	1000	1200	1400	1600	1800	2000
	vertical	Z	mm	700	800	850	900	1000	1000
		C	°	360	360	360	360	360	360

Grinding- boring- milling- spindle variants: (Z1, Z2)

RAM Ø mm	RAM length mm	Torque Nm (S1/S6)	Power kW (S1/S6)	Revolutions RPM
200 bis 300	400 - 700	25 / 35	16 / 21	12000
240 bis 300	500 - 800	130 / 175	31 / 41	4000
240 bis 315	500 - 1000	150 / 200	31 / 42	4000
240 bis 330	600 - 1000	130 / 175	31 / 41	4000
320 bis 350	600 - 1200	200 / 260	35 / 41	3500
320 bis 390	600 - 1200	260 / 340	41 / 45	3500
400 bis 450	700 - 1200	580 / 790	67 / 80	3000

further data's on demand

Option:

Disk- Tool changer	n	20 up to 30
Chain- Tool changer	n	20 up to 60
Arena- Tool changer	n	40 up to 250

- Work piece clamp automatic
- Milling crossheads for interchanging : torque up to 150Nm
- Grinding disk- dressing unit
- Tool- measuring
- Work piece - measuring