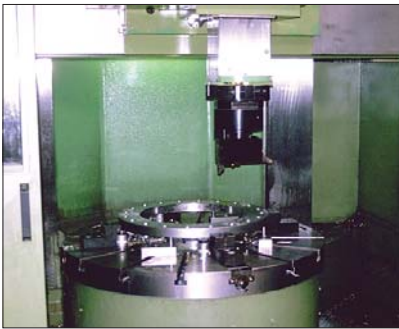


Vertical Turning Lathes from Aschersleben

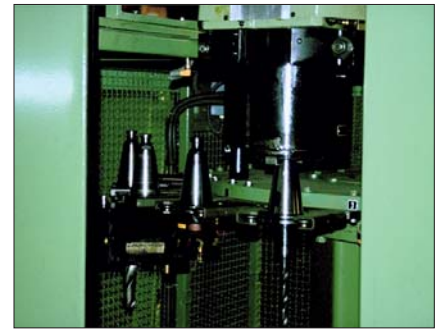
Turning



Milling



Boring



SEDIN - one world-famous enterprise, that's results of decades of practice experience in the field of the mechanical engineering.

Our vertical turning lathes are efficient and reliable. Not only the cost use relationship but also the mature technology is correct.

Robust construction, safety and reliable use components ensure long life time of the machines even at the technology advance at the processing of your work piece as well general overhaul, modernization and spare parts delivery, containing complete services of the individual planning.

For all machines with CNC-System we give 2 years warranty.

Our homepage : www.SEDIN.de

Construction Series Vertiturn



Vertiturn V1 & V2

Vertiturn V1 / V2

CNC – one column vertical turning lathe

- Automatic - 10 – tool pockets – tool changer
- AC – main spindle drive
- AC – feed drive
- Coolant unit
- Work enclosure and chip conveyor



Technical Data Vertiturn 1 / 2 / 4 / 5						
Vertiturn	Typ	1	2	4	5	
Face plate diameter	mm	1120	1400	2240	2800	
max. turning diameter	mm	1250	1600	2500	3150	
max. height of workpiece	mm	1600	1600	1600	1600	
max. weight of workpiece	kg	10.000	15.000	20.000	25.000	
Main spindle power	kW	40-60	40-60	55-70	55-70	
Table speed range	rpm	400	315	150	110	
Max. vertical ram travel	mm	1250				
Max. cutting force	kN	50				
Feed range	mm/min	0,1 – 2000				
High speed travel	mm/min	6000				
Dimensions	L	mm	5400	5750	6310	6860
	B	mm	4600	4950	7090	7630
	H	mm	5400	5400	5790	5790

Vertiturn V4 & V5

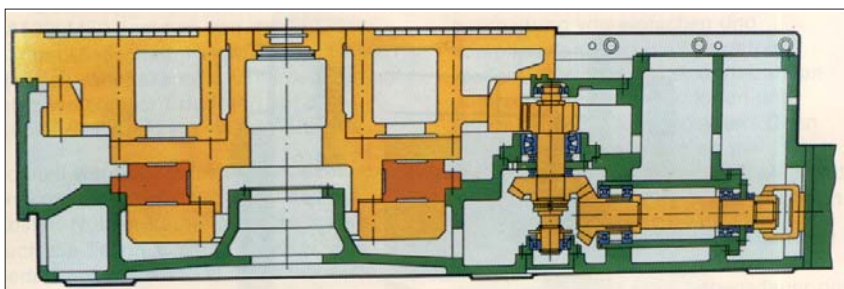
Vertiturn V4 / V5

CNC– double column vertical turning lathe

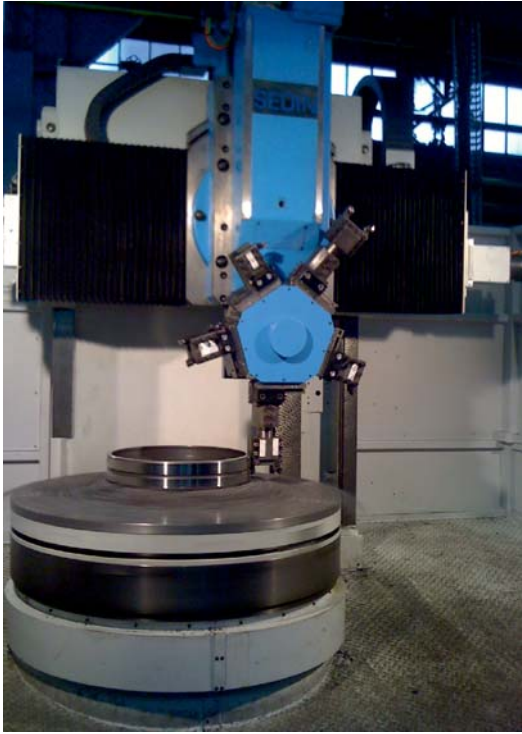
- Automatic - 10 – tool pockets – tool changer
- AC – main spindle drive
- AC – feed drive
- Coolant unit
- Work enclosure and chip conveyor
- Hydrostatic face plate
- optional with two tool head



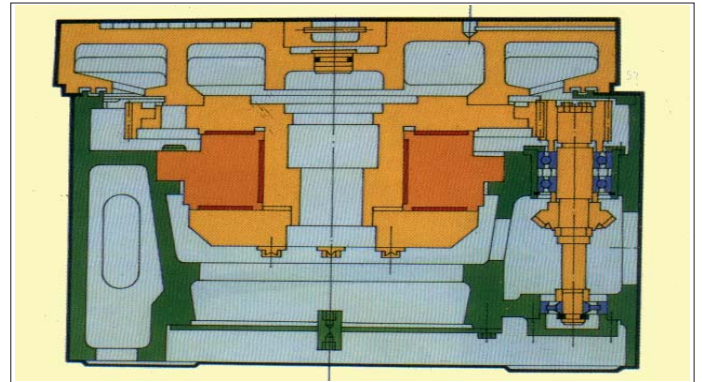
Hydrostatic face plate for vibrationless
workout of heavy workpieces



Construction Series Vertiturn VR



The hydrostatic construction of the face plate ensures a vibrationless processing with high precision. The round run fault of the face plate is 0,003 mm.



Vertiturn V1R / V2R

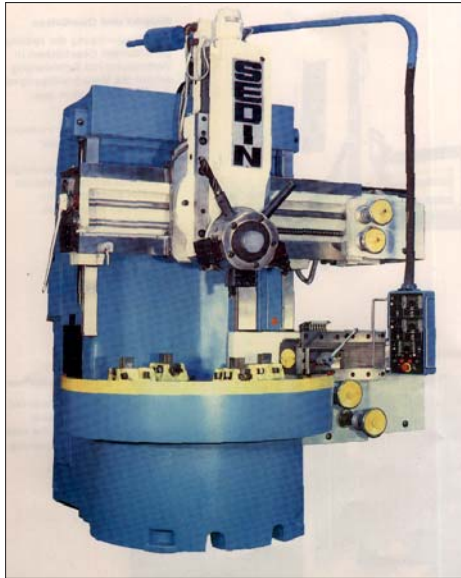
CNC – one column vertical turning lathe

- 5 – positions – revolving tool head
- Hydrostatic face plate
- AC – main spindle drive
- AC – feed drive
- Coolant unit
- Work enclosure and chip conveyor

Technical Data Vertiturn with Revolving Tool Head			
Vertiturn	Typ	V1R	V2R
Face plate diameter	mm	1120	1400
max. turning diameter	mm	1250	1600
max. height of workpiece	mm	1000	1000
max. weight of workpiece	kg	8000	10000
Main spindle power	kW	40 – 60	40 – 60
Table speed range	rpm	0,5 – 400	0,5 – 315
Dimensions B	mm	4600	5050
L	mm	4050	4300
H	mm	5400	5400

Construction Series VTL

VTL 1512 & 1516



VTL 1525 & 1L532



VTL 1512.000 / 1516.000 / 1512.300 / 1516.300
VTL 1525 / 1L532

Conventional One-/ Double Column Vertical Turning Lathes

- 5 – positions – revolving tool head
- Side head
- 18 - number of gear range (face plate)
- 18 - number of gear range (feed rate)
- conventional AC – main drive
- Optional equipment for konus and threading
- Optional equipment copying device
- Optional side heads
- 2 – number of gear range (face plate) with DC – main drive
(Series only 1512.300 / 1516.300)

Technical Data VTL 1512 / 1516 / 1525 / 1L532

VTL	Typ	1512.000	1516.000	1512.300	1516.300	1525	1L532	
Face plate diameter	mm	1120	1400	1120	1400	2240	2800	
max. turning diameter	mm	1250	1600	1250	1600	2500	3150	
max. height of workpiece	mm	1000	1000	1000	1000	1600	1600	
max. weight of workpiece	kg	6300	8000	8000	10000	16000	16000	
Main spindle power	kW	30	30	55	55	45	55	
Table speed range	rpm	5-250	4-200	1-250	0,8-200	1,6-80	1,25-63	
Dimensions	B	mm	2400	2700	4500	4900	6450	7100
	L	mm	2900	3200	4050	4300	5100	5500
	H	mm	3900	3900	3900	3900	5100	5100

Construction Series Vertimaster

LARGE HIGH-TECH VERTICAL MACHINING CENTRE



The picture shows the total view.

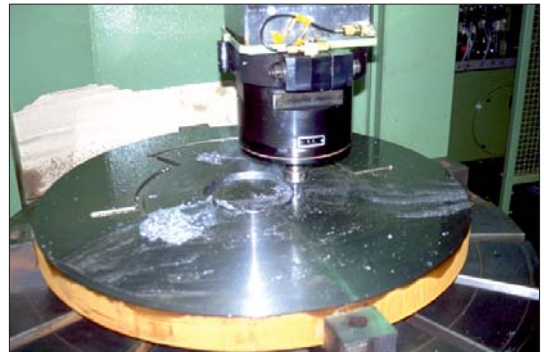
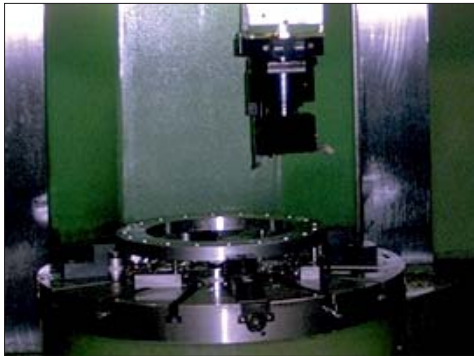
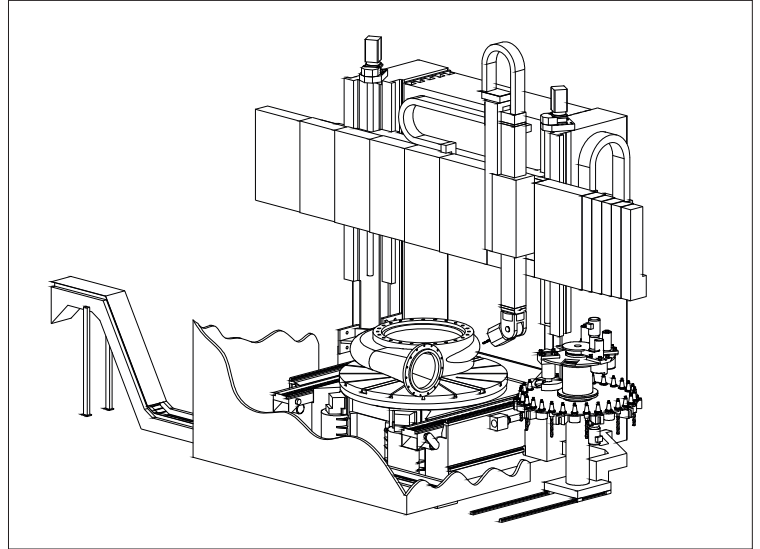
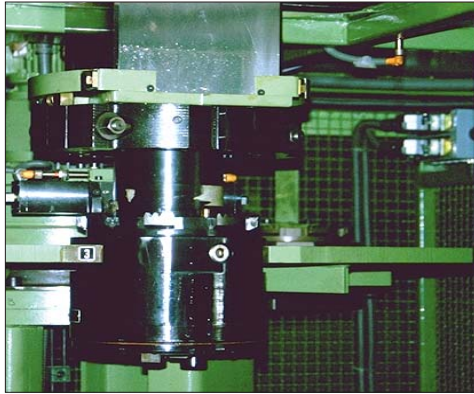
- Solid and strong table base for table and portal mounted to foundation
- Table bearing integrated and twin drive system mounted to table base in master-slave operation for turning and in milling mode the two gear tracks are electrically preloaded. One motor generates the milling feed and the second motor takes the backlash out with a programmable torque. This system also provides for infinitely variable table speed from zero to maximum rpm without gear change.
- Machine portal with two columns and one cross bridge of cast iron design provide optimum damping properties. The portal is guided on each side of table base as CNC-axis (Y)
- Cross rail also of tensional cast iron design guided and clamped on each column and elevated by two synchronized CNC-axis
- The hydrostatic guided cross rail head is traversing along cross rail guide ways in horizontal direction
- The hydrostatic guided Ram traversing in vertical direction with integrated 3 steps boring- and milling attachment and hydraulic damping system for pick up the heads
- Tool- and attachment changer can be mounted in form of disks left and right to the cross rail or as a chain magazine with number of positions according to customers demand
- Integrated chip conveyors on each side of the table and one conveyor in front
- Electrical equipment CNC- control SINUMERIK 840 D with all needed functions

Technical Specification 1

	dimension	VT 16	VT 20	VT 25	VT 32	VT 40	VT 50
Vertical Turning		VT 16	VT 20	VT 25	VT 32	VT 40	VT 50
Vertical Turning/Milling		VM 16	VM 20	VM 25	VM 32	VM 40	VM 50
Vertical Turning/milling Gantry		VMG 16	VMG 20	VMG 25	VMG 32	VMG 40	VMG 50
Table diameter	mm	1250/1400	1600/1800	2000/2250	2500/2800	3000/3500	4000/4500
Max. turning diameter	mm	1600	2000	2500	3200	4000	5000
Clearance betw. columns	mm	1400	1800	2300	3000	3800	4800
Max.machining height	Mm	1600	2000	2500	2500/3000	3500/4000	4500/5000
Max.work piece weight	tons	15	20	25	32	50	75
Main motor power	kW	120	120	120	120	120	120
Table speed turning	rpm	1 -300	0,78 – 250	0,62 – 200	0,5 – 160	0,5 – 125	0,5 – 100
Table speed milling (C)	rpm	0 – 8	0 – 7	0 – 6	0 – 5	0 – 4	0 – 3
Max.table torque	Nm	32000	40000	50000	63000	100000	120000
Ram cross section	mm	210 x 250	210 x 250	210 x 250 (280 x 320)	280 x 320	280 x 320	280 x 320 (340 x 420)
Ram travel (Z-axis)	mm	1400	1400	1400	1400/1600	2000	2000/2500
Rapid traverse ram (X, Z- axis)	mm/min	10000	10000	10000/ 16000	16000	16000	16000
Feed rate ram (X, Z- axis)	mm/min	0,1 – 2000	0,1 – 2000	0,1 – 2000	0,1 – 2000	0,1 – 2000	0,1 – 2000
Max. cutting force, turning	kN	50	50	50	63	63	63



Construction Series Vertimaster VT / VM / VMG



The construction series Vertimaster is extremely flexibly usable due the modular style . In principle, all machines are executed in portal style.

VT - Turning
VM - Turning, Boring and Milling
VMG - Turning, Boring and Milling with third linear axis (Gantry)

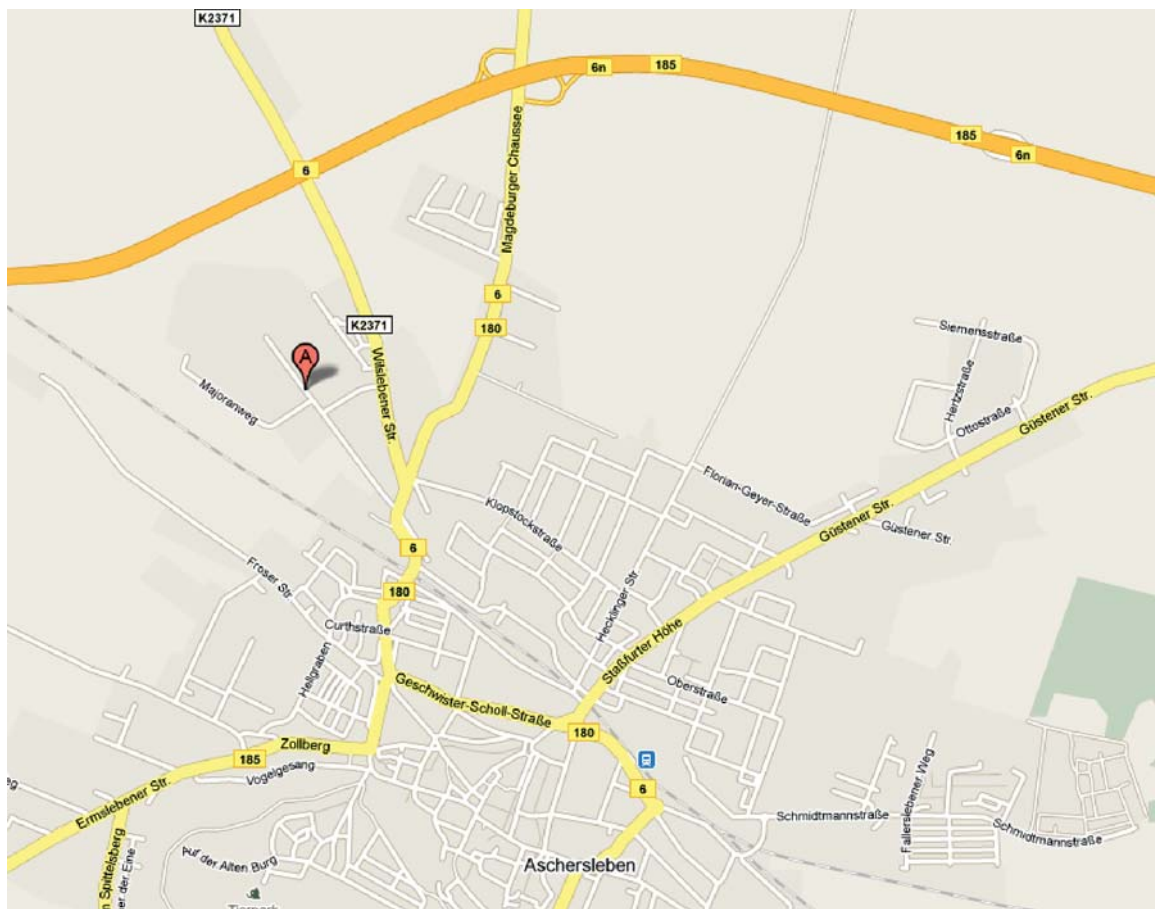
On the basic scale of this machine an automatic tool and accessory changer is contained, also gang-type tool holder and CE - work enclosure with chip conveyor. A straight boring and milling head as well as a universal angle boring and milling head are available per default at the construction series VM and VMG. All machines are optionally expandable with pallet changer systems, workpiece or tool measurement and special heads.

All machines shown in the leaflet can be inspected as a reference in well known European companies.

LOCATION MAP

B1 80 from Magdeburg

B6N from Braunschweig



B1 85 from Güsten

B6 from Halle

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