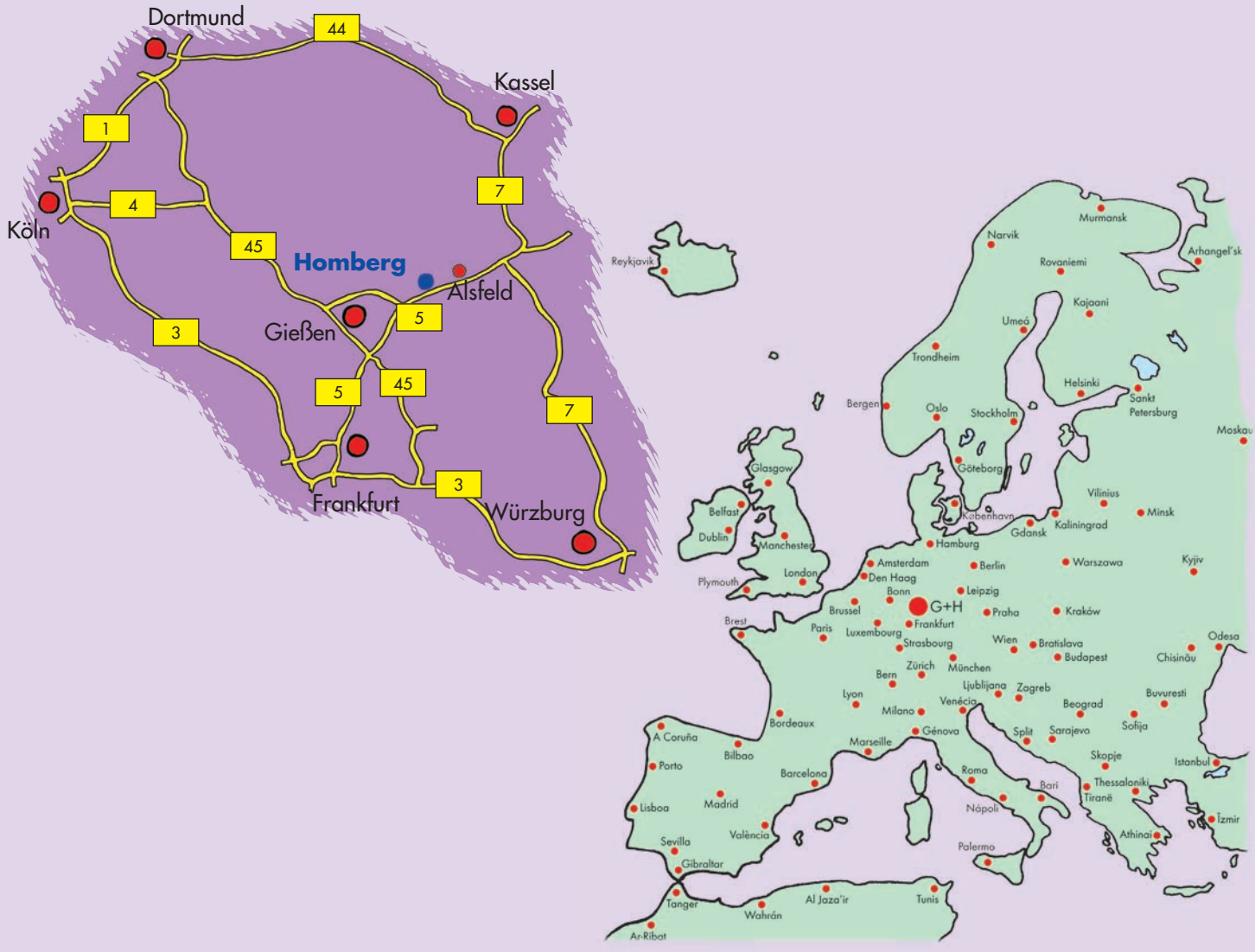


Models of machines	FS 1060 GT CB	FS 1260 GT CB	FS 1560 GT CB	FS 2060 GT CB	FS 1070 GT CB	FS 1570 GT CB	FS 2070 GT CB	FS 15100 GT CB	FS 20100 GT CB
Grinding length	mm 1000	1200	1500	2000	1000	1500	2000	1500	2.000
Grinding width	mm 600	600	600	600	700	700	700	1000	1000
Grinding height	mm 425	425	425	425	550	550	550	550	550
Grinding height (option)	mm 625	625	625	625	750	750	750	750	750
Table load	kg 1560	1850	2380	3110	1560	2380	3110	23880	3110
X-AXIS = LONGITUDINAL MOVEMENT OF THE WORKING TABLE									
Table motion	mm 20 - 1050	20 - 1250	20 - 1550	20 - 2050	20 - 1050	20 - 1550	20 - 2050	20 - 1550	20 - 2050
Table speed	m/min 0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35
Y-ACHSE = SENKRECHTBEWEGUNG									
Distance table to grinding spindle	mm 180 - 625	180 - 625	180 - 625	180 - 625	240 - 800	240 - 800	240 - 800	240 - 800	240 - 800
Distance table to grinding spindle (option)	mm 180 - 825	180 - 825	180 - 825	180 - 825	240 - 1000	240 - 1000	240 - 1000	240 - 1000	240 - 1000
Vertical speed	mm/min 100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000
Z-AXIS = CROSS MOVEMENT									
Cross motion max.	mm 600	600	600	600	700	700	700	1.000	1.000
Cross speed	mm/min 100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000
C-AXIS = GRINDING SPINDLE									
Power of the grinding spindle motor	kW 11	11	11	11	15	15	15	15	15
Power of the grinding spindle motor (option)	kW 15	15	15	15	22	22	22	22	22
Rotation speed of the grinding spindle	min ⁻¹ 1400	1400	1400	1400	1400	1400	1400	1400	1400
Rotation speed of the grinding spindle (option)	min ⁻¹ 800 - 2400	800 - 2400	800 - 2400	800 - 2400	600 - 1900	600 - 1900	600 - 1900	600 - 1900	600 - 1900
Grinding wheel, standard	mm 400x100x127	400x100x127	400x100x127	400x100x127	400x100x127	400x100x127	400x100x127	500x100x203.2	500x100x203.2

Dimensions	m 4.0x3.5x3.2	5.4x3.5x3.2	5.4x3.5x3.2	6.6x3.5x3.2	4.0x4.0x3.5	5.4x4.0x3.5	6.6x4.0x3.5	5.4x5.0x4.3	6.6x5.0x4.3
Technical specifications reserved									

This is how to find us:
 Leave the Autobahn A5 at the exit Homberg (Ohm) (exit 6) and follow the road to Homberg.
G+H is on the right-hand side opposite the sports field just after entering the town.



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CB

Precision Surface and Profile Grinding Machines

Technical specifications reserved									

Models of machines	FS 420 Z CB	FS 640 Z CB	FS 840 Z CB	FS 850 GT CB	FS 1050 GT CB	FS 1250 GT CB	FS 1550 GT CB
Grinding length	mm 400	600	800	800	1000	1200	1500
Grinding width	mm 200	400	400	500	500	500	500
Grinding height	mm 300	375	375	425	425	425	425
Grinding height (option)	mm 450	575	575	625	625	625	625
Table load	kg 150	600	700	1100	1380	1650	1970
X-AXIS = LONGITUDINAL MOVEMENT OF THE WORKING TABLE							
Table motion	mm 10 - 420	10 - 650	10 - 850	20 - 850	20 - 1050	20 - 1250	20 - 1550
Table speed	m/min 0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35	0.005 - 35
Y-AXIS = VERTICAL MOVEMENT							
Distance table to grinding spindle	mm 90 - 415	140 - 525	140 - 525	180 - 625	180 - 625	180 - 625	180 - 625
Distance table to grinding spindle (option)	mm 90 - 565	140 - 725	140 - 725	140 - 825	140 - 825	140 - 825	140 - 825
Vertical speed	mm/min 100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000
Z-AXIS = CROSS MOVEMENT							
Cross motion max.	mm 200	400	400	500	500	500	500
Cross speed	mm/min 100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000	100 - 2000
C-AXIS = GRINDING SPINDLE							
Power of the grinding spindle motor	kW 2	3.7	3.7	11	11	11	11
Power of the grinding spindle motor (option)	kW 3.7	7.0	7.0	15	15	15	15
Rotation speed of the grinding spindle	min ⁻¹ 2800	1400	1400	1400	1400	1400	1400
Rotation speed of the grinding spindle (option)	min ⁻¹ 1000 - 4000	1000 - 3000	1000 - 3000	800 - 2400	800 - 2400	800 - 2400	800 - 2400
Grinding wheel, standard	mm 225x25x51	300x50x76.2	300x50x76.2	400x100x127	400x100x127	400x100x127	400x100x127
Dimensions	m 2.0x2.3x2.3	3.0x2.8x2.5	3.6x2.8x2.5	4.0x3.4x2.7	4.0x3.4x2.7	5.4x3.4x2.7	5.4x3.4x2.7

FS 640 Z CB



with standard accessories

- grinding wheel
- grinding wheel mount
- balancing mandrel
- levelling elements
- part encapsulation
- cooling liquid reservoir
- electro-permanent magnetic chuck
- dressing diamond with support
- twin dresser (Option)
- machine light (Option)



CB-Control – precise and easy to operate

- Clearly arranged controls
- Membrane operation panel easy to clean
- Numerical input of the infeed rate
- Geometrical data can be entered by using the Teach-In-Keys
- Automatic grinding cycle
- Integrated dressing cycles

In workshops there are usually many persons who work with one and the same machine. Thus the operation of the machine is easy. The G+H modular concept allows many different modifications of the standard machine. The operation elements still remain clearly arranged. The on-screen language can be adjusted.

Functions

Surface and plunge grinding	•
Creep feed grinding	•
Slot grinding (grinding of several slots side by side)	•
Multi-surface grinding	•
Dressing from the table with compensation	•
Automatic undercutting of the grinding wheel	•
Automatic profiling of the edges of the grinding wheel	•
Digital vertical axis with ball screw drive and glass scale	•
Digital cross axis with ball screw drive and glass scale	•
Electromechanical table drive	•
Speed regulation of the grinding spindle	X
Loading position	•
Memory for grinding wheel data and dresser data	•
Memory for process data	•
Adherence control of the magnetic chuck and demagnetisation	•
Electrical hand wheel at the operating satellite	•
Straight line dresser	X

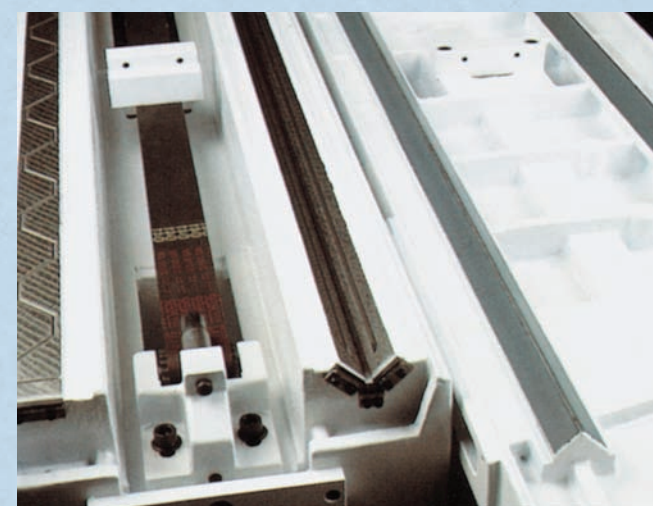
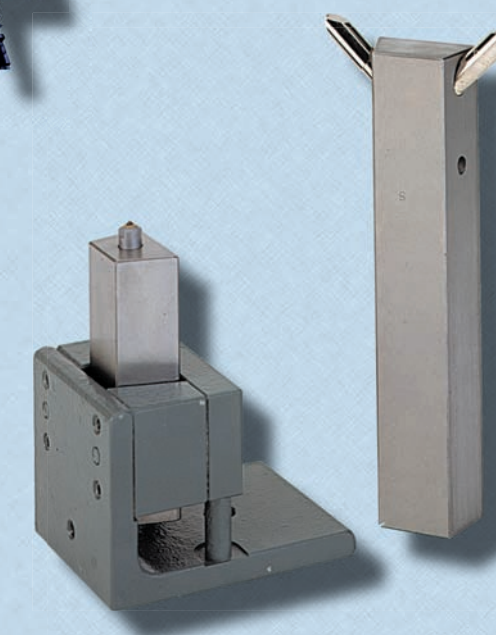


High Comfort operating panel

On the 10.4" monitor the different functions are clearly arranged with graphical assistance.

Dressing with compensation

Automatic dressing from the table allows for highest precision. All dressing amounts are compensated. In combination with the rotation speed regulation of the grinding spindle the peripheral speed of the grinding wheel remains constant. If required, the dressing cycle can be started manually during the grinding process. The undercutting of the grinding wheel or profiling of the edges of the grinding wheel for face or plunge grinding is also achieved automatically by a twin dresser.

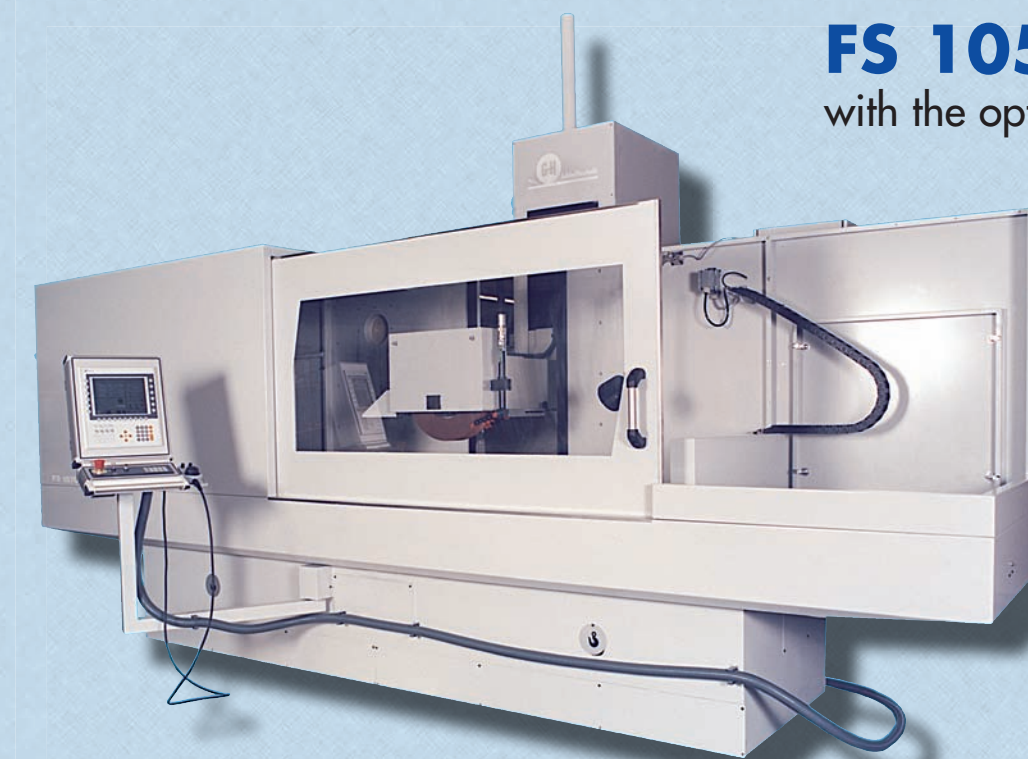


Guideways

All guideways are constructed as V-flat slide ways. The moving elements are coated with TURCITE-B. This coating guarantees a high absorption to reach best surface finishes. The casting side is ground and rubbed.

FS 1050 GT CB

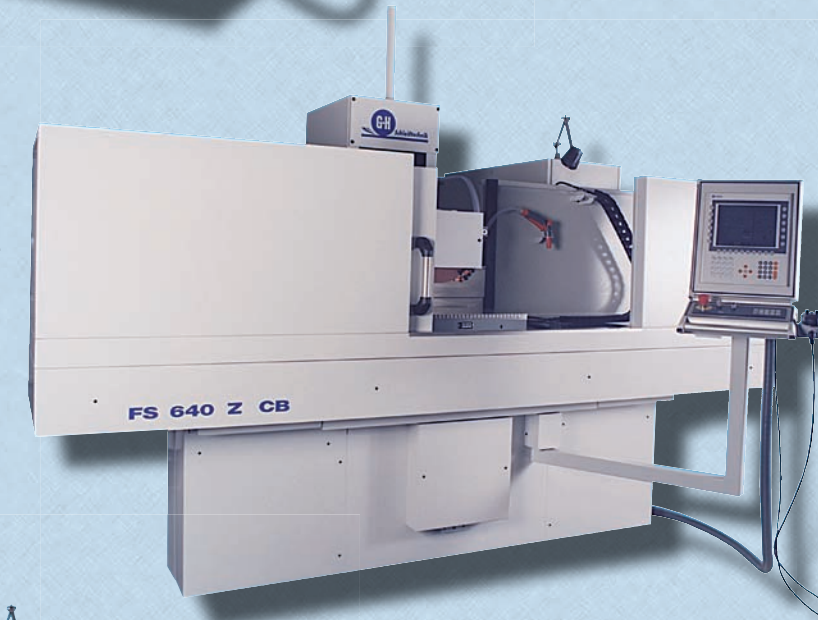
with the optional accessories



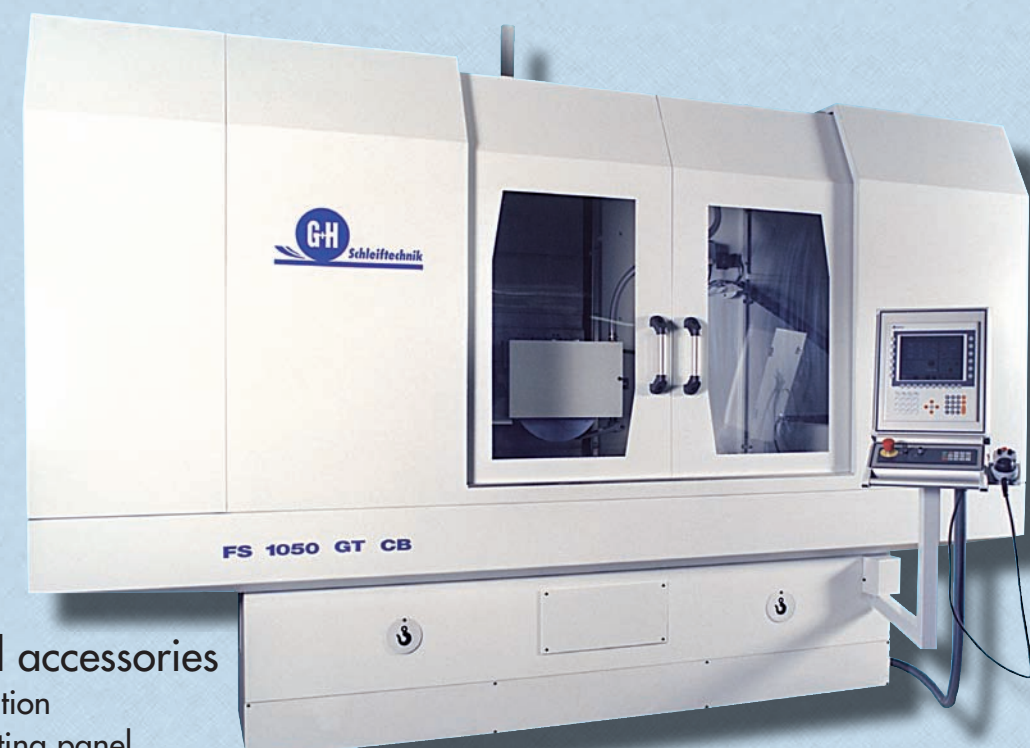
- part encapsulation open on the right side
- high comfort operating panel
- machine light
- magnetic chuck with insufflation holes

Part encapsulation

The part encapsulation with the large sliding door is part of the standard accessories. The right side of the encapsulation can be deleted for better accessibility of the working area and for better loading of big work pieces.



FS 1050 GT CB



with the optional accessories

- complete encapsulation
- high comfort operating panel