

MILL series

Technical Data

Standard machines (fixed head)

Technical Data	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
Drilling capacity in St 60 with inserted drill	Ø 42 mm	Ø 42 mm	Ø 42 mm	Ø 42 mm	Ø 42 mm	Ø 42 mm
Thread cutting	M 30	M 30	M 30	M 30	M 30	M 30
Milling capacity in St 60	600 cm³/min	600 cm³/min	600 cm³/min	600 cm³/min	600 cm³/min	600 cm³/min
Tool places	24	24	24	24	24	24
Tool taper	SK 40	SK 40	SK 40	SK 40	SK 40	SK 40
Max. tool diameter	75 mm	75 mm	75 mm	75 mm	75 mm	75 mm
Max. tool diameter if adjacent places are free	160 mm	160 mm	160 mm	160 mm	160 mm	160 mm
Max. tool length	320 mm	320 mm	320 mm	320 mm	320 mm	320 mm
Max. tool weight	4 (8) kg	4 (8) kg	4 (8) kg	4 (8) kg	4 (8) kg	4 (8) kg
Tool change time approx.	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Chip-to-chip time approx.	4.2 s	4.2 s	4.2 s	4.2 s	4.2 s	4.2 s
Infinitely variable speed range up to	9,000 rpm	9,000 rpm	9,000 rpm	9,000 rpm	9,000 rpm	9,000 rpm
Spindle drive (Siemens / Fanuc)	22 kW	22 kW	22 kW	22 kW	22 kW	22 kW
Max. torque	140 Nm	140 Nm	140 Nm	140 Nm	140 Nm	140 Nm
Diameter front spindle bearing	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
Tool clamping	6,500 N	6,500 N	6,500 N	6,500 N	6,500 N	6,500 N
Range from spindle to cover	220 - 720 mm	220 - 1,060 mm	220 - 720 mm	220 - 850 mm	220 - 850 mm	220 - 850 mm
Clearance spindle take-up – table surface	90 - 640 mm	90 - 640 mm	90 - 640 mm	90 - 640 mm	90 - 640 mm	90 - 640 mm
Travel X-axis	800 mm	1,250 mm	2,000 mm	3,000 mm	4,500 mm	6,000 mm
Shuttle operation X-axis max.	–	–	2 x 750 mm	2 x 1,250 mm	2 x 1,965 mm	2 x 2,715 mm
Travel Y-axis (+ 75 mm)	500 mm	840 mm	500 mm	630 mm	630 mm	630 mm
Travel Z-axis	550 mm	550 mm	550 mm	550 mm	550 mm	550 mm
Feed force X- / Y-axis	5,000 N	5,000 N	5,000 N	5,000 N	5,000 N	5,000 N
Feed force Z-axis	10,000 N	10,000 N	10,000 N	10,000 N	10,000 N	10,000 N
Rapid feed rate X- / Y- / Z- axis	40 m/min	40 m/min	40 m/min	40 m/min	40 m/min	40 m/min
Acceleration X / Y / Z axis	2.5 m/s²	2.5 m/s²	2.5 m/s²	2.5 m/s²	2.5 m/s²	2.5 m/s²
Direct path measuring system in all axis	•	•	•	•	•	•
Fixed table version						
Fixed table length	1,400 mm	1,850 mm	2,600 mm	3,600 mm	5,100 mm	6,600 mm
Fixed table width	550 / 710 mm	920 mm	710 / 920 mm	710 / 920 mm	710 / 920 mm	710 / 920 mm
T-Slots	4 x 18 H 12	4 x 18 H 12	4 x 18 H 12	4 x 18 H 12	4 x 18 H 12	4 x 18 H 12
Reference slot	18 H 8	18 H 8	18 H 8	18 H 8	18 H 8	18 H 8
2-axis NC tilt rotary table (FX)	FX	FX	FX	FX		
NC-tilting rotary table	± 120°	± 120°	± 120°	± 120°	–	–
Face plate diameter	280 mm	630 mm	2 x 280 mm	2 x 280 mm	–	–
Dowel and bolt hole pattern	M16 x Ø 15H7x50 mm	M16 x Ø 15H7x50 mm	M16 x Ø 15H7x50 mm	M16 x Ø 15H7x50 mm	–	–
Max. transport load	320 kg	1,000 kg	2 x 320 kg	2 x 320 kg	–	–
Speed 4th/5th axis	50/200 (1,000) rpm	25/37.5 rpm	50/200 (1,000) rpm	50/200 (1,000) rpm	–	–
Direkt path measuring system on 4th/5th axis	+/- 5"	+/- 5"	+/- 5"	+/- 5"	–	–
Media connectors at the adapter face plate	6	6	6	6	–	–
Chip conveyor, ejection height	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm
Coolant device, container capacity	900 l	900 l	900 l	900 l	1,400 l	1,400 l
Total connection power approx.	40 kVA	40 kVA	40 kVA	40 kVA	60 kVA	60 kVA
Machine weight approx.	7.0 t	8.5 t	9.5 t	13.5 t	18.5 t	23.5 t
Air connection	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar

Options	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
High Speed Version						
Infinitely variable speed range up to	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm
Chip-to-chip time approx.	3.2 s	3.2 s	3.2 s	3.2 s	3.2 s	3.2 s
Rapid feed rate X- / Y- / Z-axis	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min
High Speed Plus Version						
Infinitely variable speed range up to	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm
Chip-to-chip-time from	2.9 s	2.9 s	2.9 s	2.9 s	2.9 s	2.9 s
Rapid feed rate X- / Y- / Z-axis	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min
CHIRON spindle monitoring	•	•	•	•	•	•
Acceleration X / Y / Z	5 / 5 / 5 m/s²	5 / 5 / 5 m/s²	5 / 5 / 5 m/s²	5 / 5 / 5 m/s²	3 / 5 / 5 m/s²	3 / 5 / 5 m/s²
High Dynamics package						
Rapid feed rate	75 m/min	75 m/min	75 m/min	75 m/min	75 m/min	75 m/min
Acceleration X / Y / Z	11 / 12 / 17 m/s²	11 / 12 / 17 m/s²	11 / 12 / 17 m/s²	11 / 12 / 17 m/s²	11 / 12 / 17 m/s²	11 / 12 / 17 m/s²
More powerful spindle drive						
Infinitely variable speed range up to	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm
Spindle drive Siemens	42.7 kW	42.7 kW	42.7 kW	42.7 kW	42.7 kW	42.7 kW
Max. torque Siemens	180 Nm	180 Nm	180 Nm	180 Nm	180 Nm	180 Nm
Drilling capacity in St 60 with inserted drill Ø	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
Thread cutting	M 33	M 33	M 33	M 33	M 33	M 33
Milling capacity in St 60	700 cm³/min	700 cm³/min	700 cm³/min	700 cm³/min	700 cm³/min	700 cm³/min
More powerful spindle drive						
Infinitely variable speed range up to	10,500 rpm	10,500 rpm	10,500 rpm	10,500 rpm	10,500 rpm	10,500 rpm
Spindle drive Siemens	44 kW	44 kW	44 kW	44 kW	44 kW	44 kW
Max. torque Siemens	280 Nm	280 Nm	280 Nm	280 Nm	280 Nm	280 Nm
Drilling capacity in St 60 with inserted drill Ø	50 mm	50 mm	50 mm	50 mm	50 mm	50 mm
Thread cutting	M 36	M 36	M 36	M 36	M 36	M 36
Milling capacity in St 60	900 cm³/min	900 cm³/min	900 cm³/min	900 cm³/min	900 cm³/min	900 cm³/min
More Options						
Travel Y-axis	630	–	630/840	840	840	840
Tool places	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163
Tool taper HSK-A 63	•	•	•	•	•	•
Tool length 370 mm (HSK-A 63)	•	•	•	•	•	•
Through the spindle coolant up to 70 bar	•	•	•	•	•	•
Chip conveyor with full flow cleaning	•	•	•	•	•	•
NC rotary table	•	•	•	•	•	•
NC rotary table integrated in fixed table	•	•	•	•	•	•
NC rotary table with basic fixture	•	•	•	•	•	•
2-axis NC rotary table (FX)	•	•	•	•	–	–
Tool life monitoring	•	•	•	•	•	•
CHIRON Laser Control	•	•	•	•	•	•
Tool breakage monitoring	•	•	•	•	•	•
Stationary 3-D-probe system	•	•	•	•	•	•
Probe	•	•	•	•	•	•
Work area mist collection	•	•	•	•	•	•
Connection for central mist collection	•	•	•	•	•	•
Oil package	•	•	•	•	–	–
Machining with minimal lubrication	•	•	•	•	•	•
Pneumatic connection for clamping devices	•	•	•	•	•	•
Hydraulic unit and connection for clamping devices	•	•	•	•	•	•
Automatic doors	•	•	•	•	•	•
Handwheel	•	•	•	•	•	•
Adaptor for multi spindle heads	•	•	•	•	•	•
Central lubrication	•	•	•	•	•	•
Electrical interface for bar loader	•	–	•	–	–	–
Electrical robot interface	•	•	•	•	•	•

Machines with NC swivel head

Technical Data	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
Drilling capacity in St 60 with inserted drill	42 mm	42 mm	42 mm	42 mm	42 mm	42 mm
Thread cutting	M 30	M 30	M 30	M 30	M 30	M 30
Milling capacity in St 60	600 cm ³ /min	600 cm ³ /min	600 cm ³ /min	600 cm ³ /min	600 cm ³ /min	600 cm ³ /min
Tool places	24	24	24	24	24	24
Tool taper	HSK-A 63	HSK-A 63	HSK-A 63	HSK-A 63	HSK-A 63	HSK-A 63
Max. tool diameter	75 mm	75 mm	75 mm	75 mm	75 mm	75 mm
Max. tool diameter if adjacent places are free	160 mm	160 mm	160 mm	160 mm	160 mm	160 mm
Max. tool length	320 mm	320 mm	320 mm	320 mm	320 mm	320 mm
Max. tool weight	8 kg	8 kg	8 kg	8 kg	8 kg	8 kg
Tool change time approx.	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s	1.5 s
Chip-to-chip time approx.	4 s	4 s	4 s	4 s	4 s	4 s
Infinitely variable speed range up to	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm	12,000 rpm
Spindle drive (Siemens / Fanuc)	34 kW	34 kW	34 kW	34 kW	34 kW	34 kW
Max. torque	140 Nm	140 Nm	140 Nm	140 Nm	140 Nm	140 Nm
Diameter front spindle bearing	70 mm	70 mm	70 mm	70 mm	70 mm	70 mm
Tool clamping	18,000 N	18,000 N	18,000 N	18,000 N	18,000 N	18,000 N
Range from spindle to cover	240 - 720 mm	240 - 1,060 mm	240 - 720 mm	240 - 850 mm	240 - 850 mm	240 - 850 mm
Distance spindle nose to table surface, vert.	90 - 720 mm	90 - 720 mm	90 - 720 mm	90 - 720 mm	90 - 720 mm	90 - 720 mm
Distance spindle nose to table surface, horiz.	190 - 905 mm	190 - 905 mm	190 - 905 mm	190 - 905 mm	190 - 905 mm	190 - 905 mm
Swivel head with gear drive						
NC positioning axis	±100°	±100°	±100°	±100°	±100°	±100°
Resolution	0.001°	0.001°	0.001°	0.001°	0.001°	0.001°
Repeatability	±10"	±10"	±10"	±10"	±10"	±10"
Drive torque	280 Nm	280 Nm	280 Nm	280 Nm	280 Nm	280 Nm
Holding moment clamping	1,400 Nm	1,400 Nm	1,400 Nm	1,400 Nm	1,400 Nm	1,400 Nm
Swivel head with torque drive						
NC positioning axis	±110°	±110°	±110°	±110°	±110°	±110°
Resolution	0.001°	0.001°	0.001°	0.001°	0.001°	0.001°
Repeatability (direct path measuring system)	±5"	±5"	±5"	±5"	±5"	±5"
Drive torque	240 Nm	240 Nm	240 Nm	240 Nm	240 Nm	240 Nm
Holding moment clamping	2,350 Nm	2,350 Nm	2,350 Nm	2,350 Nm	2,350 Nm	2,350 Nm
Travel X-axis	800 mm	1,250 mm	2,000 mm	3,000 mm	4,500 mm	6,000 mm
Shuttle operation X-axis max.	–	–	2 x 765 mm	2 x 1,265 mm	2 x 1,980 mm	2 x 2,730 mm
Travel Y-axis (+ 75 mm)	480 / 610 mm	820 mm	610 / 820 mm	610 / 820 mm	610 / 820 mm	610 / 820 mm
Feed force X / Y axis	5,000 N	5,000 N	5,000 N	5,000 N	5,000 N	5,000 N
Travel Z-axis vertical/horizontal	630/715 mm	630/715 mm	630/715 mm	630/715 mm	630/715 mm	630/715 mm
Feed force Z-axis	10,000 N	10,000 N	10,000 N	10,000 N	10,000 N	10,000 N
Rapid feed rate	40 m/min	40 m/min	40 m/min	40 m/min	40 m/min	40 m/min
Acceleration X / Y / Z axis	2.5 m/s ²	2.5 m/s ²	2.5 m/s ²	2.5 m/s ²	2.5 m/s ²	2.5 m/s ²
Direct path measuring system in all axis	•	•	•	•	•	•
Fixed table length	1,400 mm	1,850 mm	2,600 mm	3,600 mm	5,100 mm	6,600 mm
Fixed table width	550 / 710 mm	920 mm	550 mm	710 / 920 mm	710 / 920 mm	710 / 920 mm
T-Slots	4 x 18 H12	2 x 18 H12	4 x 18 H12	4 x 18 H12	4 x 18 H12	4 x 18 H12
Reference slot	18 H8	18 H8	18 H8	18 H8	18 H8	18 H8
Chip conveyor discharge height	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm
Coolant device, container capacity	900 l	900 l	900 l	900 l	1,400 l	1,400 l
Total connection power approx.	40 kVA	40 kVA	40 kVA	40 kVA	60 kVA	60 kVA
Machine weight approx.	7.0 t	8.5 t	9.5 t	13.5 t	18.5 t	23.5 t
Air connection	6 bar	6 bar	6 bar	6 bar	6 bar	6 bar

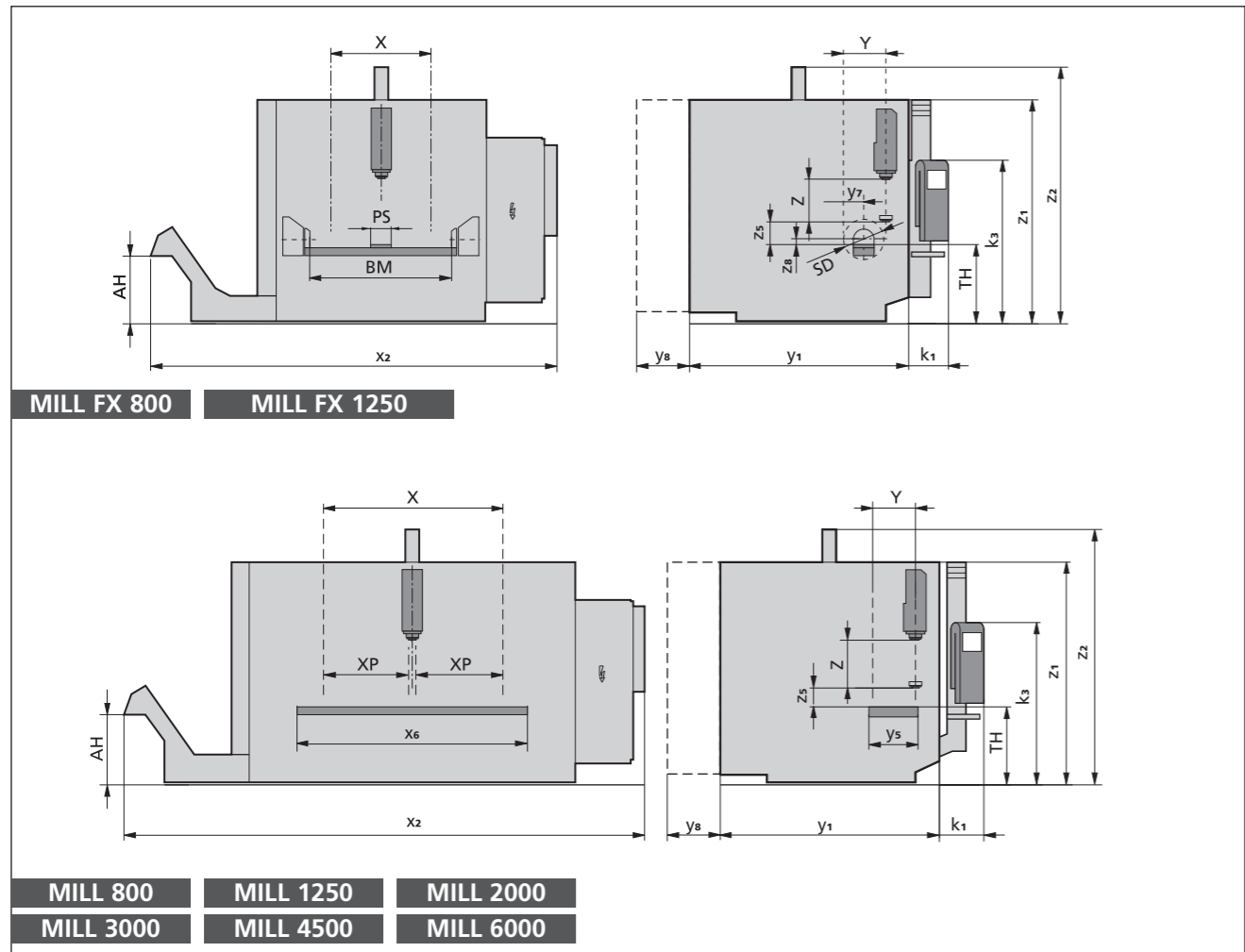
Options	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
Technology package "Milling from bars"	MT		MT			
NC rotary table, max. speed	45 rpm	–	45 rpm	–	–	–
Autom. collect clamping for collet chucks up to	Ø 100 mm	–	Ø 100 mm	–	–	–
NC slide for bar feed, max. stroke	1,100 mm	–	1,550 mm	–	–	–
NC turning device with clamping stock for machining	6 th side	–	6 th side	–	–	–
Technology package "Turning from bars"	MT		MT			
Turning spindle with collet chuck take-up	14.1 kW	–	14.1 kW	–	–	–
Bar passage, max.	Ø 65 / 100 mm	–	Ø 65 / 100 mm	–	–	–
Infinitely variable speed range up to	4,500/3,000 rpm	–	4,500/3,000 rpm	–	–	–
Max. torque	90 / 138 Nm	–	90 / 138 Nm	–	–	–
NC slide for bar feed, max. stroke	1,100 mm	–	1,550 mm	–	–	–
NC turning device with clamping stock for machining	6 th side	–	6 th side	–	–	–
High Speed Plus version						
Infinitely variable speed range up to	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm	20,000 rpm
Chip-to-chip-time from	2.9 s	2.9 s	2.9 s	2.9 s	2.9 s	2.9 s
Rapid feed rate X- / Y- / Z-axis	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min	60 m/min
CHIRON spindle monitoring	•	•	•	•	•	•
Acceleration	5 / 5 / 5 m/s ²	5 / 5 / 5 m/s ²	5 / 5 / 5 m/s ²	5 / 5 / 5 m/s ²	3 / 5 / 5 m/s ²	3 / 5 / 5 m/s ²
High Dynamics package						
Rapid feed rate	75 m/min	75 m/min	75 m/min	75 m/min	75 m/min	75 m/min
Acceleration X / Y / Z	11 / 12 / 17 m/s ²	11 / 12 / 17 m/s ²	11 / 12 / 17 m/s ²	11 / 12 / 17 m/s ²	11 / 12 / 17 m/s ²	11 / 12 / 17 m/s ²
More Options						
Travel Y-axis	610	–	610/820	820	820	820
Tool places	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163	40 / 60 / 92 / 163
Tool length 370 mm (HSK-A63)	•	•	•	•	•	•
Through the spindle coolant up to 70 bar	•	•	•	•	•	•
Chip conveyor	•	•	•	•	•	•
NC rotary table	•	•	•	•	•	•
NC rotary table integrated in fixed table	•	•	•	•	•	•
NC rotary table with basic fixture	•	•	•	•	•	•
Tool life monitoring	•	•	•	•	•	•
CHIRON Laser Control	•	•	•	•	•	•
Probes for workpiece	•	•	•	•	•	•
Stationary 3-D-probe system	•	•	•	•	•	•
Probe	•	•	•	•	•	•
Work area mist collection	•	•	•	•	•	•
Connection for central mist collection	•	•	•	•	•	•
Oil package	•	•	•	•	–	–
Machining with minimal lubrication	•	•	•	•	•	•
Pneumatic connection for clamping devices	•	•	•	•	•	•
Hydraulic unit and connection for clamping devices	•	•	•	•	•	•
Automatic doors	•	•	•	•	•	•
Handwheel	•	•	•	•	•	•
Adaptor for multi spindle heads	•	•	•	•	•	•
Central lubrication	•	•	•	•	•	•
Electrical interface for bar loader	•	–	•	–	–	–
Electrical robot interface	•	•	•	•	•	•

Dimensions

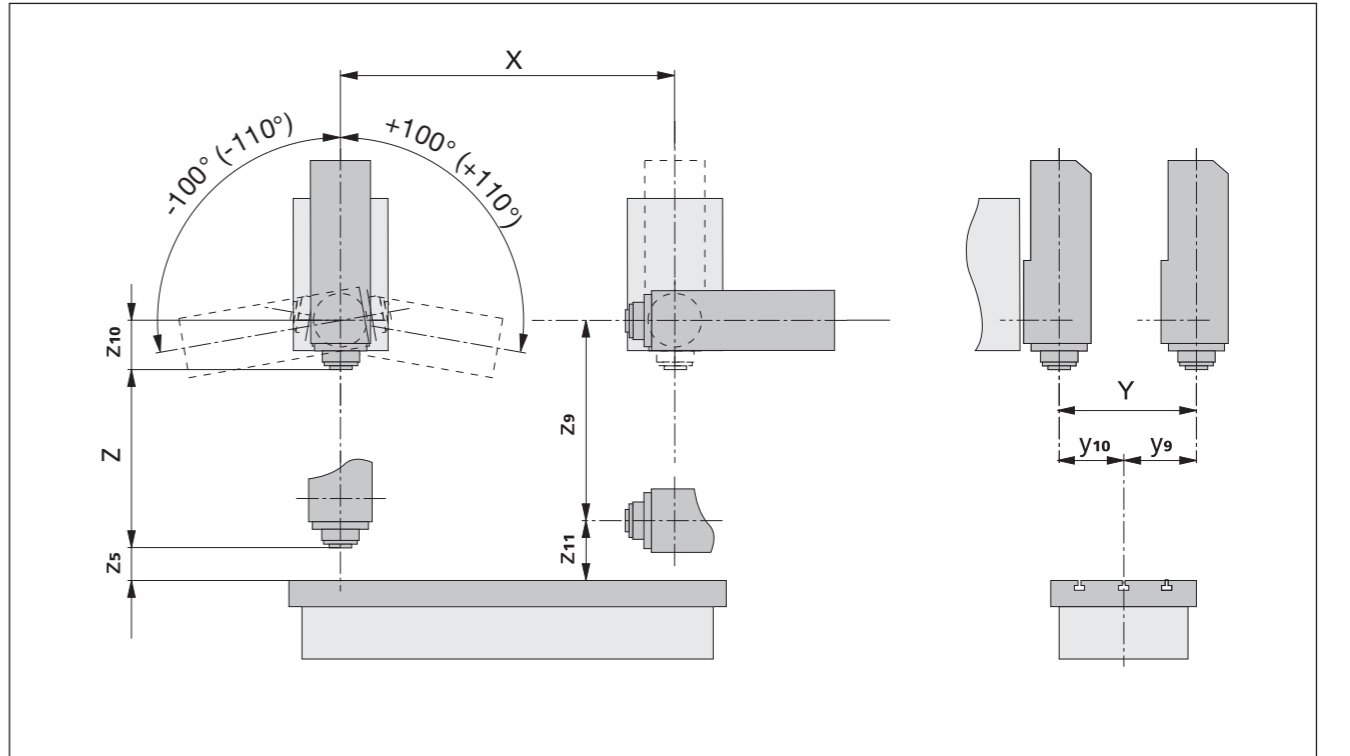
MILL Series	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
AH Ejection height chip conveyor min.	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm	1,050 mm
k1 Control panel depth	440 mm	440 mm	510 mm	510 mm	510 mm	510 mm
k3 Control panel height	1,920 mm	1,920 mm	1,920 mm	1,920 mm	1,920 mm	1,920 mm
TH Height face plate	925 mm	960 mm	925 / 960 mm	925 / 960 mm	960 mm	960 mm
X Travel X axis	800 mm	1,250 mm	2,000 mm	3,000 mm	4,500 mm	6,000 mm
XP Travel X-axis, Shuttle operation	-	-	750 mm	1,250 mm	2,000 mm	2,750 mm
x2 Total width (with chip conveyor to the side)	5,370 mm	5,540 mm	6,510 mm	8,510 mm	10,960 mm	13,256 mm
x6 Clamping surface - width	1,400 mm	1,850 mm	2,600 mm	3,600 mm	5,100 mm	6,600 mm
Y Travel Y axis	500 / 630 mm	840 mm	500/630/840 mm	630 / 840 mm	630 / 840 mm	630 / 840 mm
y1 Cabin depth	2,740-4,440 mm*	3,440-4,880 mm*	2,740-4,860 mm*	3,000-4,860 mm*	3,000-4,860 mm*	3,000-4,860 mm*
y5 Clamping surface - depth	550 / 710 mm	920 mm	550/710/920 mm	710 / 920 mm	710 / 920 mm	710 / 920 mm
y8 Background magazin depth (92 or 163 tools)	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm
Z Travel Z axis, rigid head	550 mm	550 mm	550 mm	550 mm	550 mm	550 mm
z1 Cabin height	2,525 mm	2,560 mm	2,525 / 2,560 mm	2,525 / 2,560 mm	2,560 mm	2,560 mm
z2 Total height	2,990 mm	3,090 mm	3,090 mm	3,090 mm	3,090 mm	3,090 mm
z5 Deepest spindle position (vertical) - clamping face / faceplate	90 mm	90 mm	90 mm	90 mm	90 mm	90 mm

	MILL FX 800	MILL FX 1250	MILL FX 2000	MILL FX 3000
BM Bridge dimensions	950 mm	1,390 mm	2 x 700 mm	2 x 950 mm
PS Face plate diameter	280 mm	630 mm	2 x 280 mm	2 x 280 mm
SD Max. interference area diameter	650 / 780 mm*	1,010 mm	650 / 780 mm*	650 / 780 mm*
TH Height face plate	795 mm	840 mm	795 mm	815 mm
y7 Foremost distance Y Position - A axis	250 / 315 mm*	390 mm	230 / 315 mm*	230 / 315 mm*
z5 Deepest spindle position (vertical) - faceplate	200 mm	210 mm	200 mm	200 mm
z8 Clearance face plate - swivel axis	100 mm	150 mm	100 mm	100 mm

* depending on equipment (Y 500 / Y 630 / Y 840)



Work area with swivel head	MILL 800	MILL 1250	MILL 2000	MILL 3000	MILL 4500	MILL 6000
X Travel X-axis	800 mm	1,250 mm	2,000 mm	3,000 mm	4,500 mm	6,000 mm
Y Travel Y-axis	480 / 610 mm	820 mm	480/610/820 mm	610 / 820 mm	610 / 820 mm	610 / 820 mm
Y9 Clearance table center – end of travel path Y axis	250 / 315 mm	420 mm	250/315/420 mm	315 / 420 mm	315 / 420 mm	315 / 420 mm
Y10 Clearance reference point Y – table center	230 / 295 mm	400 mm	250/295/400 mm	295 / 400 mm	295 / 400 mm	295 / 400 mm
Z Travel Z-axis, spindle vertical	630 mm	630 mm	630 mm	630 mm	630 mm	630 mm
Z5 Deepest spindle position (vertical) – clamping face / faceplate	90 mm	90 mm	90 mm	90 mm	90 mm	90 mm
Z9 Travel Z-axis, Spindel horizontal	715 mm	715 mm	715 mm	715 mm	715 mm	715 mm
Z10 Clearance spindle take-up – swivel axis	185 mm	185 mm	185 mm	185 mm	185 mm	185 mm
Z11 Deepest spindle position (horizontal) – clamping face / workpiece center	190 mm	190 mm	190 mm	190 mm	190 mm	190 mm



* Swivel head with gear drive: $\pm 100^\circ$
Swivel head with torque drive: $\pm 110^\circ$

MILL Series – Options

High speed version
Technology package "Milling from bars"
Technology package "Turning from bars"
Travel Y-axis up to 840 mm
Tool storage capacity 24 / 40 / 60 / 92 / 163
Tool taper HSK-A 63
Tool length up to 370 mm
Coolant through the spindle up to 70 bar
Chip conveyor with full flow cleaning
Coolant treatment
NC-swivel head
NC rotary table
NC rotary table with basic fixture
NC rotary table integrated in fixed table
2-axis NC rotary table
Probes for workpiece and tool measurement
CHIRON Laser Control
Tool breakage monitoring / Tool life management
Stationary 3-D-probe system
Probe
Work area mist collection
Connection for central mist collection
Oil package
Machining with minimal lubrication
Pneumatic connection for clamping devices
Hydraulic unit and connection for clamping devices
Center guard with mechanically operated opening
Automatic doors
Handwheel
Central lubrication system
Electrical interface for bar loader
Electrical robot interface
Multi-spindle head adaptor
Control: Siemens, Fanuc, Heidenhain
Variocell UNO / SYSTEM

Basic series

08 Series

Fast, compact machining centers for high precision and various applications

12 Series

Fast, compact single, double-spindle and multi-functional precision machining centers

15 Series

Fast and powerful precision machining centers for profitable production - with one, two or four spindles

18 Series

Powerful, single and twin-spindle machining centers for high-speed machining and heavy cutting

24 Series

Powerful, single and double spindle machining centers for high-productive machining of large workpieces

MILL Series

Universal precision machining centers for high performance cutting - from small parts to large workpieces

Flexible production systems

Variocell UNO

Robot-automated 6-side complete machining

Variocell SYSTEM

Customized automation solutions

CHIRON subsidiaries

CHIRON Technologies de Production SAS

14 Chemin de la Litte
92390 Villeneuve-la-Garenne, France
Tel. +33 1479 859 50, Fax -854 31
info@chiron-technologies.fr
www.chiron-technologies.fr

CHIRON Italia S.p.A.

Via Ambrosoli 4/C
20090 Rodano Millepini – MI, Italy
Tel. +39 02 953 211 02, Fax -286 20
info@chironitalia.it
www.chironitalia.it

CHIRON Istanbul

Makine Ticaret ve Servis Ltd. Şti.
MURAT PAŞA MAHALLESİ ULUYOL
Caddesi No:19 ISTANBUL TOWER
Plaza Kat: 13 D:59-60
34040 Bayrampaşa Eyüp - ISTANBUL, Turkey
Tel. +90 212 612 12 11, Fax -48 28
info@chiron-turkey.com
www.chiron-turkey.com

CHIRON Polska Sp. z o.o.

ul. Darwina 42
44-177 PANIOWKI, Poland
Tel. +48 32 790 98 50
info@chiron-poland.com
www.chiron-poland.com

CHIRON Machine Tool (Beijing) Ltd., China

Room 1805, NUO Office,
A2 Jiangtai Road Chaoyang District
Beijing 100016, P.R. China
Tel. +86 10 6598 9811, Fax -9812
info@chiron-china.com
www.chiron-china.com

CHIRON Machine Tool (Taicang) Co., Ltd.

No. 1-1, Fada Road
Technological Development Zone,
Taicang 215413, Jiangsu Province, P.R. China
Tel. +86 512 5367 0800, Fax -0808
info@chiron-china.com
www.chiron-china.com

CHIRON America INC.

10950 Withers Cove Park Drive
Charlotte, NC 28278, USA
Tel. +01 704 587 95 26, Fax -04 85
info@chironamerica.com
www.chironamerica.com

Detroit Office

44692 Helm Street
Plymouth, MI 48170
Tel. +01 734 233 9650, Fax +01 704 587 0485
info@chironamerica.com
www.chironamerica.com

CHIRON India Machine Tools Private Limited

#33, Naseer Affinity, 1st Floor
Miller Tank Bund Road, Kaveriappa Layout
Vasanth Nagar, Bangalore - 560 052, India
Tel. +91 80 4905 6490, Fax -6450
info@chiron-india.com
www.chiron-india.com

CMS-GmbH

Gewerbepark „take-off“ 125
78579 Neuhausen ob Eck, Germany
Tél. +49 7461 940-3700, Fax -53701
cms@chiron.de
www.pre-owned-machines.com

CHIRON Werke GmbH & Co. KG

Kreuzstrasse 75
78532 Tuttlingen, Germany
Tél. +49 7461 940-0
Fax +49 7461 940-53000
info@chiron.de