

# KAISER

PRECISION IN METAL

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<b>Short turning</b>	
<b>Machine type</b>	<b>Technical Specifications</b>
Index ABC-01	up to 42 mm dia
Index ABC-02	up to 60 mm dia
Index ABC-03	up to 42 mm dia (magazine without stop) Main spindle transmit
Index ABC-04	up to 42 mm dia. (designed with channel dia. 25 mm) FMB without stop
Index ABC-05	up to 52 mm dia. (synchronous with jaw chuck) Polygonal turning Rev.2
Index ABC-06	up to 60 mm dia
Index ABC-07	up to 65 mm dia.
Index ABC-08	up to 65 mm dia.
Index ABC-09	up to 65 mm dia.
Index ABC-10	up to 52 mm dia.
Index ABC-11	up to 52 mm dia.
Index ABC-12	up to 52 mm dia.
Index ABC-13	up to 52 mm dia.
Index ABC-14	up to 65 mm dia.
Index ABC-15	up to 65 mm dia.
Index ABC-16	up to 65 mm dia.
Index ABC-17	up to 42 mm dia.
Index ABC-18	up to 42 mm dia.
Index ABC-19	up to 42 mm dia.
Index G200-01	up to 42 mm dia. (Y-B axis)
Index G200-02	up to 42 mm dia. (Y-axis) counter spindle with C-axis
Index G200-03	up to 60 mm dia. (Y-B axis)
Index G200-04	up to 65 mm dia
Index GB65-01	up to 65 mm dia
Index GB65-02	up to 65 mm dia
Index GB65-03	up to 65 mm dia
Index GB65-04	up to 65 mm dia
Index GB65-05	up to 65 mm dia
Index GS42-01	up to 42 mm dia. (C-axis, synchronous)
Index GS65-01	up to 65 mm dia, (without synchronous spindle)
Index GS65-02	up to 65 mm dia (synchronous, C-axis, portal acceptance)
Nakamura Turning Milling Center WTS-150	up to 65 mm dia (3 turret, Y-axis)
Nakamura Turning Milling Center Super NTJX	up to 65 mm dia (2- Y-axes, B-axis, tool magazine with 40 tools)

## Long turning

<b>Machine type</b>	<b>Technical Specifications</b>
Deco-01	up to 16 mm dia
Deco-02	up to 16 mm dia
Gildemeister GLD-01	up to 20 mm dia (5 driven stations)
Gildemeister GLD-02	up to 20 mm (5 driven stations)
Manhurin KMX-01	up to 20 mm dia
Manhurin KMX-02	up to 20 mm dia
Manhurin KMX-03	up to 26 mm dia (pneumatic bushing block)
Manhurin KMX-04	up to 20 mm dia
Manhurin KMX-05	up to 20 mm dia
Manhurin KMX-06	up to 26 mm dia ( 6 driven. stations, main spindle with C-axis)
Manhurin Swing-01	up to 26 mm dia (14 driven stations)
Star SV-32	up to 32 mm dia. turret and 14 driven stations

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<b>FF Turning</b>	
<b>Machine type</b>	<b>Technical Specifications</b>
Spinner TC 600	max. turning diameter 400mm; 16 driven tools
Spinner PD	ultra-precision machine with C-axis, hard turning
Index GE42	bar clearance 38 mm dia.
Index GU800	bar clearance 58 mm dia
Index GU600	bar clearance 65 mm
Kern KDS 300	with tailstock/ clearance 44 mm dia
Orion PD 180	without tailstock/ clearance 25 mm dia
Schaublin 102-01	
Schaublin 102-02	
Schaublin 102-03	
Schaublin 102-04	
Schaublin 110-01	with tailstock/ clearance 25 mm dia
Schaublin 110-02	with tailstock/ clearance 25 mm dia
Schaublin 110-03	without tailstock/ clearance 25 mm dia
Schaublin 110-04	with tailstock/ clearance 25 mm dia

## Milling

<b>Machine type</b>	<b>Technical Specifications</b>
	5-axis milling center
Mikron UCP 600 Vario	7-way pallet changer and 120 tools
Mikron VCP 1000 Pro-x	4-axis milling center, 1020mmx560mmx600mm work area
Heckler&Koch BA 25	tool magazine with 36 tools
Wörner Drill B 16	
Alzmetall	for de-burring
Chiron FZ 12	tool magazine with 12 tools
Deckel FP 4MA	gear milling machine
Schön press	Pressing force 200 KN
Stenzel-01	tool magazine with 12 tools
Stenzel-02	tool magazine with 10 tools
Heckler&Koch VBZ 630-01	tool magazine with 26 tools
Weeren ST III S	

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<b>Grinding</b>	
<b>Machine type</b>	<b>Technical Specifications</b>
Elb SW 5	conventional flat grinding
Estarta 312	recess grinder
Estarta 310	throughfeed grinding
Jung C 8	conventional internal grinding
Jung C 8	conventional internal grinding
Karsten	conventional cylindrical grinding
Kellenberg Kel-Viva	universal grinder 2xexternal 1xinternal, with B-axis
Hydraulic straightening press	
Sigg sandblasting system	
Studer S 35	CNC external grinding
Studer S 45-4	CNC internal grinding
Sonnen MBC 1805-G	honing machine
Walther Trowal CC 215	Trowal de-burring up to 140 mm dia.
Walther Trowal CC 60	Trowal de-burring up to 40 mm dia.
Walther Trowal CC 55	Trowal de-burring up to 35 in dia.
Sigg P30 HF	Trowal de-burring up to 20 in dia.
Foot lever press	
Pantograph	
Planopol	
Fine structure polishing machine	

## Turning – conventional

<b>Machine type</b>	<b>Technical Specifications</b>
Index B 60	up to 60 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 60	up to 60 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 60	up to 60 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 60	up to 60 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 60	up to 60 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 42	up to 42 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 42	up to 42 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index B 42	up to 42 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index C 29	up to 30 dia., curve controlled with cross-hole attachment
Index C 30	up to 30 dia., curve controlled with cross-hole attachment
Index I25	up to 25 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index I25	up to 25 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index I25	up to 25 dia., curve controlled with thread milling, cross-hole and polygonal attachments
Index I25	up to 25 dia., curve controlled with thread milling, cross-hole and polygonal attachments
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Index I25	up to 25 dia., curve controlled with thread milling, cross-hole and polygonal attachments