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GENERTEC DALIAN MACHINE TOOL CO., LTD.

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GT-SMTCL



LATHES SPECIAL-PURPOSE MACHINES BORING/MILLING MACHINES

VTC M SERIES

VERTICAL TURNING/MILLING CENTER

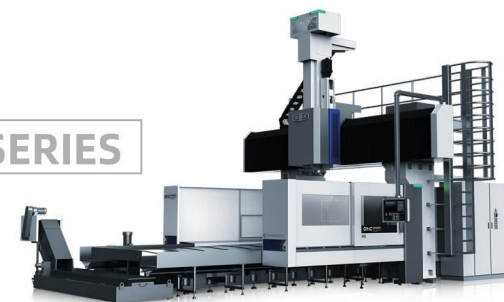
Technical parameters

ITEMS	UNIT	VTC125100M	VTC160100M	VTC250140M	VTC300140M	VTC350140M	VTC400140M
WORKBENCH DIAMETER	MM	Φ1000	Φ1400	Φ2000	Φ2500	Φ3000	Φ3500
MAXIMUM TURNING DIAMETER	MM	Φ1250	Φ1600	Φ2500	Φ3000	Φ3500	Φ4000
MAXIMUM WORKPIECE HEIGHT	MM	1000	1200	1600	2000	2000	2000
MAXIMUM TURNING SPEED OF WORKBENCH	RPM	300	280	160	120	80	80

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC RV SERIES

GANTRY CNC BORING MILLING MACHINE



Technical parameters

ITEMS	UNIT	GMC 1220RV	GMC 1530RV	GMC1630RV	GMC 2040RV	GMC 2060RV
TRAVEL OF WORKBENCH-X AXIS	MM	2000	3000	3200	4200	6200
TRAVEL OF CROSS SLIDE-Y AXIS	MM	1300	1550	2600	3000	3000
TRAVEL OF RAM-Z AXIS	MM	750	750	1000[1250]	1000[1250]	1000[1250]
ROTATION SPEED RANGE	R/MIN	40-6000	40-6000	40-5000 40-6000	40-5000 40-6000	40-5000 40-6000
OUTPUT TORQUE (RATED/30MIN)	N.M	460/552	460/552	770/924	770/924	770/924
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	12/14.4	12/14.4	22/26.4	22/26.4	22/26.4
SECTION SIZE OF RECTANGLE RAM	MM	400X320	400X320	400X400	400X400	400X400

ITEMS	UNIT	GMC 2560RV	GMC 2580RV	GMC3060RV	GMC 3080RV
TRAVEL OF WORKBENCH-X AXIS	MM	6200	8200	6200	8200
TRAVEL OF CROSS SLIDE-Y AXIS	MM	3500	3500	4000	4000
TRAVEL OF RAM-Z AXIS	MM	1000[1250]	1000[1250]	1250	1250
ROTATION SPEED RANGE	R/MIN	40-4500 40-6000	40-4500 40-6000	40-4500	40-4500
OUTPUT TORQUE (RATED/30MIN)	N.M	770/924	770/924	1050/1260	1050/1260
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	22/26.4	22/26.4	30/36	30/36
SECTION SIZE OF RECTANGLE RAM	MM	400X400	400X400	400X400	400X400

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



GMC RS SERIES

GANTRY CNC BORING/MILLING MACHINE

Technical parameters

ITEMS	UNIT	GMC 2560RS	GMC 3060RS
TRAVEL OF WORKBENCH-X AXIS	MM	6200	6200
TRAVEL OF SLIDE-Y AXIS	MM	33000	4400
TRAVEL OF RAM-Z AXIS	MM	1500	1500
ROTATION SPEED RANGE	R/MIN	40-3000	40-3000
OUTPUT TORQUE (RATED/30MIN)	N.M	3000/3600	3000/3600
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	58/69	58/69
SECTION SIZE OF RECTANGLE RAM	MM	500X500	500X500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

BORING/MILLING MACHINES



GMC R2 SERIES

GANTRY MACHINING CENTER
CNC GANTRY BORING/MILLING SERIES

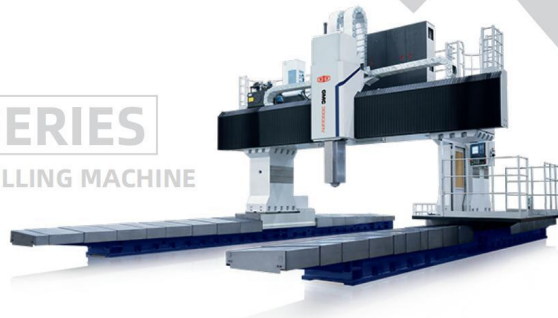
Technical parameters

ITEMS	UNIT	GMC 1530R2	GMC 2040R2	GMC 2060R2	GMC 2550R2	GMC 2560R2
TRAVEL OF WORKBENCH-X AXIS	MM	3600	4200	6200	5200	6200
TRAVEL OF SLIDE-Y AXIS	MM	2700	3200	3200	3700	3700
TRAVEL OF RAM-Z AXIS	MM	1000	1000	1000	1000	1000
ROTATION SPEED RANGE	R/MIN	10-2000	10-2000	10-2000	10-2000	10-2000
OUTPUT TORQUE (RATED/30MIN)	N.M	1361/1633	1361/1633	1361/1633	1361/1633	1361/1633
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	37/44	37/44	37/44	37/44	37/44
SECTION SIZE OF RECTANGLE RAM	MM	420X470	420X470	420X470	420X470	420X470

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC GRV SERIES

GANTRY MOBILE CNC BORING/MILLING MACHINE



Technical parameters

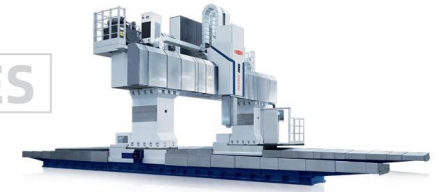
ITEMS	UNIT	GMC 1530R2	GMC 2040R2
MAXIMUM TRAVEL OF GANTRY-X AXIS	MM	8000+HEAD CHANGING TRAVEL	8000+HEAD CHANGING TRAVEL
MAXIMUM TRAVEL OF SLIDE-Y AXIS	MM	4200	5200
MAXIMUM TRAVEL OF RAM-Z AXIS	MM	1250 1500	1250 1500
ROTATION SPEED RANGE (INFINITELY VARIABLE SPEEDS)	R/MIN	40-4500 40-3000	40-4500 40-3000
OUTPUT TORQUE OF SPINDLE (RATED/30MIN)	N.M	1050/1260 2000/4000	1050/1260 2000/4000
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	30/36 30/36	30/36 30/36
SECTION SIZE OF RAM	MM	400X400 500X500	400X400 500X500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC GRS SERIES

GANTRY CNC BORING/MILLING MACHINE

Technical parameters



ITEMS	UNIT	GMC 3080GRS	GMC 4080GRS	GMC 5080GRS
MAXIMUM TRAVEL OF GANTRY-X AXIS	MM	8000+HEAD CHANGING TRAVEL	8000+HEAD CHANGING TRAVEL	8000+HEAD CHANGING TRAVEL
MAXIMUM TRAVEL OF SLIDE-Y AXIS	MM	4700	5500	6500
MAXIMUM TRAVEL OF RAM-Z AXIS	MM	1500	1500	1500
ROTATION SPEED RANGE (INFINITELY VARIABLE SPEEDS)	R/MIN	40-3000	40-3000	40-3000
OUTPUT TORQUE OF SPINDLE (RATED/30MIN)	N.M	3000/3600	3000/3600	3000/3600
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	58/69	58/69	58/69
SECTION SIZE OF RAM	MM	500X500	500X500	500X500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC WRS SERIES

MOVING-BEAM GANTRY MACHINING CENTER

Technical parameters



ITEMS	UNIT	GMC 2560WRS	GMC 3060WRS
TRAVEL OF WORKBENCH-X AXIS	MM	6200	6200
TRAVEL OF SLIDE-Y AXIS	MM	3700	4200
TRAVEL OF RAM-Z AXIS	MM	1500	1500
MAXIMUM TRAVEL OF CROSSBEAM-W AXIS	MM	1500/2000	1500/2000
DISTANCE BETWEEN SPINDLE NOSE AND WORKBENCH SURFACE	MAXIMUM	MM 3000/3500	3000/3500
	MINIMUM	MM 0	0
ROTATION SPEED RANGE (INFINITELY VARIABLE SPEEDS)	R/MIN	40-3000	40-3000
OUTPUT TORQUE OF SPINDLE (RATED/30MIN)	N.M	3000/3600	3000/3600
POWER OF SPINDLE MOTOR (RATED/30MIN)	KW	58/69	58/69
SECTION SIZE OF RAM	MM	500X500	500X500

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GDC (M)D SERIES

(MOBILE) GANTRY CNC MILLING/DRILLING MACHINE

Technical parameters

ITEMS	UNIT	GDC 2530D	GDC 2530MD	GDC 3030MD	GDC4040MD	GDC 5050MD	GDC 6060MD
DIMENSION OF WORKBENCH	MM	2500X3000	2500X3000	3000X3000	4000X4000	5000X5000	6000X6000
LOAD CAPACITY OF WORKBENCH	T/M2	10T	10	10	10	10	10
DISTANCE BETWEEN TWO COLUMNS	MM	3210	4000	5000	5500	6440	6840
MAXIMUM DISTANCE BETWEEN SPINDLE NOSE AND WORKBENCH	MM	650	650	700	900	900	900
MINIMUM DISTANCE BETWEEN SPINDLE NOSE AND WORKBENCH	MM	150	150	200	400	400	400
SPINDLE MOTOR POWER	KW	17.5/21X2	17.5/21X2	17.5/21X2	17.5/21X2	17.5/21X2	17.5/21X2
MAXIMUM ROTATION SPEED OF SPINDLE	R/MIN	4500	4500	4500	4500	4500	4500
MINIMUM DISTANCE BETWEEN TWO SPINDLES	MM	400	400	400	400	400	400

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

PBC SERIES

CNC HORIZONTAL MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	PBC 110(F)M	PBC 130M	PBC 110(F)	PBC 130(F)	PBC 160(F)	PBC 130S
DIMENSION OF WORKBENCH	MM	1000X1250/1250X1400	1600X1800	1250X1400	1600X1800 2000X2000	2000X2000 2000X2500	1600X1800 2000X2000
MAX. LOAD CAPACITY OF WORKBENCH	T	5	10	8	15	25	15
DIAMETER OF SPINDLE	MM	Φ110	Φ130	Φ110	Φ130	Φ160	Φ130
SPINDLE SPEED	R/MIN	10-2500 10-2000(FM)	10-3000	10-3000 10-2000(F)	10-3000 10-2000(F)	10-2000 10-1500(F)	10-3500
POWER OF MAIN MOTOR	KW	17/20.4	25/30	19.5/23.4	25/30	41/49.2	25/30
MAXIMUM TORQUE OF SPINDLE	NM	1300/1600	2100/2600	1100/1300	2100/2600 数字看不清	3300/4000	2100/2600

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

PBC R SERIES

CNC FLOOR-TYPE MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	PBC 130R	PBC 160R	PBC 130RA	PBC 160RA	PBC 130RP	PBC 160RP
DIMENSION OF WORKBENCH	MM	10T: 2000X2000; 15T: 2000X2000; 20T: 2000X2500; 25T: 2000X2500; 30T: 2500X30000					
MAX. LOAD CAPACITY OF WORKBENCH	T	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30	10/15/20/25/30
DIAMETER OF SPINDLE	MM	Φ130	Φ160	Φ130	Φ160	Φ130	Φ160
SPINDLE SPEED	R/MIN	10-1500	10-1000	10-1500	10-1000	10-1500	10-1500
POWER OF MAIN MOTOR	KW	41/49	41/49	41/49	41/49	41/49	60/69
MAXIMUM TORQUE OF SPINDLE	NM	1700/2100	2900/3500	1700/2100	2900/3500	3000/3600	4400/5000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

TK65 SERIES

CNC HORIZONTAL MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	TK(H) 6511B	TK(H)P 6511B	TK(H) 6513	TK(H) 6513	TK(H) 6516	TK(H)P 6516
DIMENSION OF WORKBENCH	MM	1000X1250	1250X1400	1400X1600	2000X2000	1600X1800A:2000X2500/B:2500X3000	
MAX. LOAD CAPACITY OF WORKBENCH	T	5	5	10	10	10/A:20/B:30	10/A:20/B:30
DIAMETER OF SPINDLE	MM	Φ110	Φ110	Φ130	Φ130	Φ160	Φ160
SPINDLE SPEED	R/MIN	10-2500	10-2000	10-2000	10-2000	10-1500	10-1500
POWER OF MAIN MOTOR	KW	19.5/23.4	19.5/23.4	25/30	25/30	41/49.2	41/49.2
MAXIMUM TORQUE OF SPINDLE	NM	1300/1600	1300/1600	2500/3000	2500/3000	3300/4000	3300/4000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

TH65 SERIES

HORIZONTAL MILLING/BORING CENTER

Technical parameters

ITEMS	UNIT	TH 65100X100B	TH 65100X100B/D	TH 65100X100B-3	TH 65100X100B-3D
DIMENSION OF WORKBENCH	MM	1000X1000 / 1000X1250 / 1250X1250 / 1250X1400			
NUMBER OF WORKBENCHES	PCS	2	1	2	1
MAX. LOAD CAPACITY OF WORKBENCH	KG	4000	5000	4000	5000
SPINDLE DIAMETER	MM	Φ125	Φ125	Φ125	Φ125
SPINDLE SPEED	R/MIN	10-4200	10-4200	12-3000	12-3000
POWER OF MAIN MOTOR	KW	19.5/23.4	19.5/23.4	19.5/23.4	19.5/23.4
MAXIMUM TORQUE OF SPINDLE	NM	1070/1280	1070/1280	1070/1280	1070/1280

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



DOUBLE-FACE CNC HORIZONTAL MILLING SERIES BORING MACHINE

Technical parameters

ITEMS	UNIT	TK 6511BX2	TK 6513X2	PBC 130RX2	PBC 160RX2
DIMENSION OF WORKBENCH	MM	1000X6000	1500X8000	1400X10000	2500X11000
MAX. LOAD CAPACITY OF WORKBENCH	T	10	15	10	20
SPINDLE DIAMETER	MM	Φ110	Φ130	Φ130	Φ160
SPINDLE SPEED	R/MIN	10-2500	10-2000	10-1500	10-1000
POWER OF MAIN MOTOR	KW	19.5/23.4	25/30	41/49	41/49
MAXIMUM TORQUE OF SPINDLE	NM	1360/1600	2500/3000	1700/2100	2900/3500
DISTANCE BETWEEN TWO SPINDLE NOSES	MM	1200	1300	1600	2800

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

P-FORCE SERIES

CNC FLOOR-TYPE MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	P-FORCE 130R	P-FORCE 160R	P-FORCE 130RA	P-FORCE 160RA	FBC 130RP	FBC 160RP
SPINDLE DIAMETER	MM	Φ130	Φ160	Φ130	Φ160	Φ130	Φ160
SPINDLE SPEED	R/MIN	1-1500	10-1000	10-1500	10-1000	10-1500	10-1500
POWER OF MAIN MOTOR	KW	41/49	41/49	41/49	41/49	41/49	60/69
MAXIMUM TORQUE OF SPINDLE	NM	1700/2100	2900/3500	1700/2100	2900/3500	3000/3600	4400/5000
SECTION SIZE OF RAM	MM	480X480	480X480	450X450	450X450	480X480	480X480
TRAVEL OF RAM Z	MM	700	700	1000	1000	1000	1000
SPINDLE TRAVEL W	MM	700	700	900	900	800	800

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



E-FORCE SERIES

CNC FLOOR-TYPE MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	E-FORCE 160RL	E-FORCE 200RL	E-FORCE 160RH	E-FORCE 200RH
SPINDLE DIAMETER	MM	Φ160	Φ200	Φ160	Φ200
SPINDLE SPEED	R/MIN	1-1500	10-1250	10-1500	10-1250
POWER OF MAIN MOTOR	KW	58/69	85/102	58/69	85/102
MAXIMUM TORQUE OF SPINDLE	NM	6300/7600	8400/10000	6300/7600	8400/10000
SECTION SIZE OF RAM	MM	480X540	480X540	480X540	480X540
TRAVEL OF RAM Z	MM	1200	1200	1200	1200
SPINDLE TRAVEL W	MM	1200	1200	1200	1200

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



BORING/MILLING MACHINES 5-AXIS MACHINES



SERIES T-FORCE

CNC FLOOR-TYPE MILLING/BORING MACHINE

Technical parameters

ITEMS	UNIT	T-FORCE 160R	T-FORCE 200R	T-FORCE 260R
SPINDLE DIAMETER	MM	Φ160	Φ200	Φ260
SPINDLE SPEED	R/MIN	5-1500	5-1250	5-1000
POWER OF MAIN MOTOR	KW	58/69	110/162	129/198
MAXIMUM TORQUE OF SPINDLE	NM	6300/7600	9600/14000	25000/38000
SECTION SIZE OF RAM	MM	480X540	520X580	620X740
TRAVEL OF RAM Z	MM	1200	1250	1800
SPINDLE TRAVEL W	MM	1200	1200	1600

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

DOUBLE-FACE CNC HORIZONTAL MILLING BORING MACHINE SERIES



Technical parameters

ITEMS	UNIT	P-FORCE 130RX2	P-FORCE 160RX2
DIMENSION OF WORKBENCH	MM	1000X6000	1500X8000
MAXIMUM LOAD OF WORKBENCH	T	10/M2	10/M2
SPINDLE DIAMETER	MM	Φ130	Φ160
SPINDLE SPEED	R/MIN	10-1500	10-1000
POWER OF MAIN MOTOR	KW	41/49	41/49
MAXIMUM TORQUE OF SPINDLE	NM	1700/2100	2900/3500
TRAVEL OF RAM Z	MM	700	700
SPINDLE TRAVEL W	MM	700	700
DISTANCE BETWEEN TWO SPINDLE NOSES	MM	1500	2000

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

HTK SERIES

CNC SWING WORKBENCH



Technical parameters

ITEMS	UNIT	HTK 25L	HTK 40L	HTK 40L	HTK 80	HTK 100	HTK 150
AREA	MM	2000X2000 (OPTIONAL 2000X2500)	2500X3000 (OPTIONAL 3000X3000)	3000X3000	3500X4000 (OPTIONAL 4000X4000)	4500X4500	5000X5000 (OPTIONAL 5000X6000)
MAXIMUM LOAD CAPACITY	T	25	40	60	80	100	150
V-AXIS TRAVEL	MM	2000	2000	2000/3000	3000	3000	4500
GUIDERAIL MODE		V: LINEAR GUIDERAIL B: ROLLING GUIDERAIL	V: LINEAR GUIDERAIL B: ROLLING/SLIDING COMPOSITE GUIDERAIL	STATIC PRESSURE GUIDERAIL	STATIC PRESSURE GUIDERAIL	STATIC PRESSURE GUIDERAIL	STATIC PRESSURE GUIDERAIL

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC V SERIES

BRIDGE-TYPE HIGH-SPEED 3-AXIS MACHINING CENTER

GMC U SERIES

BRIDGE-TYPE 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	GMC20U(V) SERIES	GMC25U(V) SERIES	GMC30U(V) SERIES	GMC40U(V) SERIES	GMC50U(V) SERIES
WIDTH OF WORKBENCH	MM	2000	2500	3000	4000	5000
LENGTH OF WORKBENCH	MM	4000/6000	4000/6000/8000	2000N (N≥3)	2000N (N≥4)	2000N (N≥5)
LOAD CAPACITY OF WORKBENCH	KG/M2	5000	5000	5000	5000	5000
WIDTH OF GANTRY	MM	3000	3500	4000	5000	6000
TRAVEL OF GANTRY FRAMEWORK X-AXIS	MM	4000/6000	4000/6000/8000	2000N (N≥3)	2000N (N≥4)	2000N (N≥5)
TRAVEL OF SLIDING PLATE Y-AXIS	MM	2200	2700	3200	4200	5200
TRAVEL OF RAM Z-AXIS	MM	1000	1000	1000	1000	1000

German double swing heads: spindle speed (rpm): 7000-30000; spindle torque: (Nm): 38-318; power (kW): 43-60

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



GMC V/T SERIES

MOBILE BENCH-TYPE GANTRY HIGH-SPEED 3-AXIS MACHINING CENTER

GMC U/T SERIES

MOBILE BENCH-TYPE GANTRY 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	GMC8V(U)/T SERIES	GMC16V(U)/T SERIES	GMC20V(U)/T SERIES	GMC25V(U)/T SERIES
WIDTH OF WORKBENCH	MM	800	1600	2000	2500
LENGTH OF WORKBENCH	MM	1000/2000	3000	4000/6000	4000/5000/6000
LOAD CAPACITY OF WORKBENCH	KG	2500/5000	10000	14000	18000
WIDTH OF GANTRY	MM	1200	2000	2400	2900
WORKBENCH MOTION	MM	1200/2200	3200	4200/6200	4200/5200/6200
LEFT/RIGHT MOTION TRAVEL OF SLIDING PLATE, Y-AXIS	MM	1000	2200	2600	3100
MAXIMUM TRAVEL OF RAM, Z-AXIS	MM	650	1000	1000	1000

German double swing heads: spindle speed (rpm): 7000-30000; spindle torque: (Nm): 38-318; power (kW): 43-60

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC U/T SERIES

MOBILE BENCH TYPE GANTRY 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	GMC10MU	GMC20MU	GMC30MU	GMC60MU	GMC70MU
WIDTH OF WORKBENCH	MM	1000	2000	3000	6000	7000
LENGTH OF WORKBENCH	MM	2000N (N≥3)	2000N (N≥3)	2000N (N≥3)	2000N (N≥4)	2000N (N≥5)
LOAD CAPACITY OF WORKBENCH	KG/M2	5000	5000	5000	10000	10000
TRAVEL OF X-AXIS	MM	2000N (N≥3)	2000N (N≥3)	2000N (N≥3)	2000N (N≥4)	2000N (N≥5)
TRAVEL OF Y-AXIS	MM	1600	3200	4300	7300	8500
TRAVEL OF Z-AXIS	MM	1000/1400	1000/1400	1000/1400	1000/1400/1500	1000/1400/1500

Mechanical spindle AC double swing heads: spindle speed (rpm): 2000-4000; torque of spindle (Nm): 1000-1250; power (kW): 28-45

Electric spindle AC double swing heads: spindle speed (rpm): 8000-15000; spindle torque (Nm): 38-318; power (kW): 43-63.

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



5-AXIS MACHINES AUTOMATED MACHINING PRODUCTION LINE

VMC U SERIES

VERTICAL 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	VMC 25100U	VMC 36120U	VMC 2040U/T	VMC 2040MU
WIDTH OF WORKBENCH	MM	800	1000	2000	2000
LENGTH OF WORKBENCH	MM	2000	3000	4000	4000
LOAD CAPACITY OF WORKBENCH	KG	5000	6000	1400	5T/M2
MAXIMUM SPINDLE SPEED	RPM	4000/6000	4000/6000	4000/6000	4000/6000
TORQUE	N.M	882	882	882	882
POWER	KW	30	30	30	30
TRAVEL OF X-AXIS	MM	2500	3500	4200	4200
TRAVEL OF Y-AXIS	MM	1000	1200	2400	2400
TRAVEL OF Z-AXIS	MM	850	850	600	600
SWING ANGLE OF A-AXIS	"	±30	±30	±30	±30
SWING ANGLE OF B-AXIS	"	±30	±30	±30	±30

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.



VMC U SERIES

VERTICAL 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	VMC 1680U SERIES	VMC 2180U SERIES
DIMENSION OF WORKBENCH (LENGTH X WIDTH)	MM	1700X800	2200X800
LOAD CAPACITY OF WORKBENCH	KG	1200	2500
TRAVEL OF X/Y/Z AXES	MM	1600/800/600	2100/800/600
SWING ANGLE OF B-AXIS	"	±100	±100
ROTATION ANGLE OF C-AXIS (CONNECTION ROTATION WITHOUT ANGLE RESTRICTION)	"	N X 360	N X 360
SPINDLE SPEED	RPM	20000	20000
POWER OF SPINDLE	KW	25/40	25/40
TORQUE OF SPINDLE	NM	87/135	87/135

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

HMC 60U SERIES

HORIZONTAL 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	HMC 60U SERIES
DIMENSION OF WORKBENCH (LENGTH X WIDTH)	MM	1200 X 600
MAXIMUM LOAD CAPACITY OF WORKBENCH	KG	300
TRAVEL OF X-AXIS (WORKBENCH)	MM	2000
TRAVEL OF Y-AXIS (HEADSTOCK)	MM	800
TRAVEL OF Z-AXIS (POST)	MM	820
MAXIMUM SPINDLE SPEED	R/MIN	24000
RATED POWER S1/MAXIMUM POWER S6 OF SPINDLE	KW	25/30
RATED TORQUE S1/MAXIMUM TORQUE S6 OF SPINDLE	NM	30/36

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

HMC 80U SERIES

HORIZONTAL 5-AXIS MACHINING CENTER

Technical parameters

ITEMS	UNIT	HMC 80U SERIES
DIMENSION OF WORKBENCH	MM	Φ800
MAX. WORKPIECE DIAMETER	MM	Φ1000
TRAVEL OF X/Y/Z AXES	MM	850/850/700
LOAD CAPACITY OF WORKBENCH	T	1
SPINDLE SPEED	RPM	8000
POWER OF SPINDLE	KW	50/65
TORQUE OF SPINDLE	NM	405/526

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GMC U/T SERIES

5-COORDINATE MACHINING CENTER

Technical parameters

ITEMS	UNIT	GMC 125U/T	GMC 150U/T	GMC 200U/T	GMC 250U/T
DIMENSION OF WORKBENCH	MM	Φ1250	Φ1500	Φ2000	Φ2500
LOAD CAPACITY OF WORKBENCH	KG	3000	5000	8000	10000
X-AXIS	MM	1250	1600	2300	2600
Y-AXIS	MM	1300	1500	2600	2800
Z-AXIS	MM	1000	1250	1650	1800
MAXIMUM ROTATION SPEED	R/MIN	10000	10000	10000	10000
MAXIMUM TORQUE (S1)	NM	400	400	400	400
MOTOR POWER (S1)	KW	50	50	50	50

Remarks: the parameters provided in the table are only for reference, and please refer to the actual product in case of change.

GT-JY 32



GT-JY



CNC GEAR SHAPER FAMILY

SPECIFICATIONS

MODEL	UNIT	YK5115A	YK5132C	YK5150B
MAX.DIAMETER OF WORK	MM	EXTERNAL 150	320	500
		INTERNAL 60+DIAMETER OF CUTTER	220+DIAMETER OF CUTTER	625 Φ100 CUTTER
MAX.MODULE OF WORK	MM	4	8	10
MAX.FACE WIDTH	MM	40	90	130
DIAMETER OF WORKABLE	MM	Φ260	Φ340	Φ625
POWER OF MAIN MOTOR	KW	7.5	7.5	11
OVERALL DIMENSIONS (LXWXH)	MM	2200X1425X2440	2730X1635X2300	2850X1790X2870

MODEL	UNIT	YKH5132	YKH5132/K3	YKW5132
MAX.DIAMETER OF WORK	MM	EXTERNAL 320	320	320
		INTERNAL 240+DIAMETER OF CUTTER	240+DIAMETER OF CUTTER	320
MAX.MODULE OF WORK	MM	8	8	8
MAX.FACE WIDTH	MM	110	110	70
DIAMETER OF WORKABLE	MM	400	400	360
MAIN SHAFT POWER	KW	7.5	7.5	12
OVERALL DIMENSIONS (LXWXH)	MM	2920X1625X2800	3050X1700X3100	4300X2455X3400

MODEL	UNIT	YK5180B	YK51125A	YK51160	YK51200
MAX.DIAMETER OF WORK	EXTERNAL	800	1250	1600	2000
	INTERNAL	1000	1250	2000	2300
MAX.MODULE OF WORK	MM	12	12	20	20
MAX.FACE WIDTH	MM	280	280	300	330
POWER OF MAIN MOTOR	KW	15	15	18.5	22
DIAMETER OF WORKABLE	MM	875	1250	1600	2000
MAX.LOAD OF WORKTABLE	KG	3000	3000	5000	7000
OVERALL DIMENSIONS (LXWXH)	MM	3740X2100X3285	3740X2100X3430	4645X2570X4680	5013X2177X4688

CNC SPIRAL BEVEL GEAR GENERATOR

SPECIFICATIONS

MODEL	UNIT	YK2212B	YK2232
MAX.MODULE	MM	3	6
MAX.PITCH DIAMETER(SPIRAL ANGLE 30°)	MM	65	160
MAX.PITCH DIAMETER(SPIRAL ANGLE 30°,RATIO 10:1&2:1)	MM	125	320
NUMBER OF TEETH	MM	5~100	5~100
DIAMETER OF THROUGH HOLE	MM	20	45
TOTAL POWER OF MACHIN	KVA	10	15
OVERALL DIMENSIONS OF MACHINE(LXWXH)	MM	2675X2534X1700	2400X1950X1725



CNC SPIRAL BEVEL GEAR GENERATOR

SPECIFICATIONS

MODEL	UNIT	YKT2250	YKD2280
DIMENSIONS OF WORK			
MAX.MODULE OF WORK	MM	10	15
MAX.PITCH CONE DISTANCE(SPIRAL ANGLE 30°)	MM	260	420
MAX.CUTTING DEPTH	MM	20	32
MAX.FACE WIDTH	MM	70	100
MAX.NUMBER OF TEETH		5~100	4~100
OVERALL DIMENSIONS (LXWXH)	MM	1700X1650X1700	2900X2750X2200



CNC SPIRAL BEVEL GEAR GENERATOR

SPECIFICATIONS

DIMENSIONS OF WORK			
MAX.OUTER CONE DISTANCE(30°SPIRAL AND & 40°CUTTER)	MM		1610
MAX.PITCH DIAMETER(30°SPIRAL ANGLE)	MM		
MAX.MODULE	MM		30
MAX.CUTTING DEPTH	MM		70
MAX.FACE WIDTH	MM		240
TEETH NUMBER			4~100
OVERALL DIMENSIONS(LXWXH)	MM		5800X4492X3900



CNC STRAIGHT BEVEL GEAR GENERATOR

SPECIFICATIONS

MODEL	UNIT	YK2312	YKM2350
DIMENSIONS OF WORK			
MAX.MODULE OF WORK	MM	2.5	10
MAX.PITCH DIAMETER (RATIO 10:1)	MM	125	500
MAX.TOOTH DEPTH	MM	5.5	20
MAX.FACE WIDTH	MM	20	85
NUMBER OF TEETH		5~150	10~200
OVERALL DIMENSIONS (LXWXH)	MM	1700X1650X1700	2400X1800X1800



CNC DOUBLE-CUTTERSTRAIGHT BEVEL GEAR GENERATOR

SPECIFICATIONS

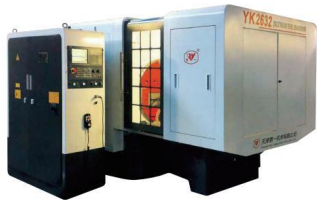
MODEL	UNIT	YK2312	YKM2350
MAX.MODULE OF WORK	MM	2.5~0.5	8
MAX.CONE DISTANCE OF WORK	MM	60	60
MAX.DIAMETER OF WORK	MM	125	300
MAX.FACE WIDTH OF WORK	MM	11	40
TEETH NUMBER		5~150	5~150
POWER OF MAIN MOTOR	KW	2.3	3.7
SPEED OF MAIN MOTOR	RPM	800~1500	800~1500
OVERALL DIMENSIONS (LXWXH)	MM	1700X1650X1700	2400X1800X1800



CNC STRAIGHT BEVEL GEAR GRINDER

SPECIFICATIONS

DIMENSIONS OF WORK	UNIT	
MAX.MODULE OF WORK	MM	8
MAX.LENGTH OF PITCH ELEMENT	MM	160
MAX.PITCH DIAMETER	MM	320
MAX.TOOTH DEPTH	MM	18
MAX.FACE WIDTH	MM	50
POWER OF MAIN MOTOR	KW	5.5
ELECTRICAL CABINET DIMENSIONS (LXWXH)	MM	1750X600X2000



CNC SPIRAL BEVEL GEAR CUTTER SHARPENER

SPECIFICATIONS

DIAMETER OF CUTTER		6"、9"、12"、18"
TRAVEL OF WORK HEAD	MM	+380
TILT ANGLE OF WORK SPINDLE		0°~15°
FORWARD & BACKWARD MOVEMENT OF SPINDLE	MM	-90 ~+300
TOTAL POWER OF MOTOR	KVA	12
OVERALL DIMENSIONS (LXWXH)	MM	2420X1850X1967



BEVEL GEAR CUTTER INSPECTING MACHINE

SPECIFICATIONS

DIAMETER OF CUTTER BEING CHECKED	3 1/2", 6", 9", 12", 18"	
TYPE OF CUTTER	MODEL Y318A	TAPE IA, IB, IC
(AS PER STANDARD JB/T8359-96)	MODEL Y318B	TAPE IIA, IIB, IIC
OVERALL DIMENSIONS(LXWXH)	MM	800X520X1100



BEVEL GEAR QUENCHING PRESS

SPECIFICATIONS

MAX. DIAMETER OF WORK	MM	625
DISTANCE BETWEEN MOUNTING SURFACE	MAXIMUM	MM 280
	MINIMUM	MM 250
OF EXPANDER PRESSING ROD AND BEARING SURFACE OF LOWER DIE	MM	Φ160~Φ510
RANGE OF DIAMETER FOR ADJUSTING CONCAVE&CONVEX ON LOWER DIE	HYDRAULIC PUMP	KW,RPM 5.5,1400
	COOLING PUMP	KW,RPM 7.5,2900
ELECTRIC MOTOR		
OVERALL DIMENSIONS(LXWXH)	MM	2880X1237X2622



GT-QIER

GT-QIER 3



MILLING AND BORING MACHINES

TH69 SERIES

CNC FLOOR TYPE MILLING AND BORING MACHINING CENTER



Technical parameters

ITEMS	UNIT	TH6913B	TH6916B	TH6920	TH6926	TH6932
BORING SPINDLE DIAMETER	MM	130	160	200	260	320
MILLING SPINDLE END DIAMETER	MM	221.44	280	320	400	450
MAX. SPINDLE SPEED	R/MIN	1500/2500	1500	1200	800	600/800
MAX. SPINDLE TORQUE	N.M	3370/2226	7000	12000	15000	26000/21000

TK69 SERIES

CNC FLOOR TYPE MILLING AND BORING MACHINE



Technical parameters

ITEMS	UNIT	TK6913B	TK6916B	TK6920	TK6926	TK6932
BORING SPINDLE DIAMETER	MM	130	160	200	260	320
MILLING SPINDLE END DIAMETER	MM	221.44	280	320	400	450
MAX. SPINDLE SPEED	R/MIN	1500/2500	1500	1200	800	600/800
MAX. SPINDLE TORQUE	N.M	3370/2226	7000	12000	15000	26000/21000

CNC ROTARY TABLE



Technical parameters

SPECIFICATION/MODEL	UNIT	ZTK20	ZTK30	ZTK40	ZTK60	ZTK80	ZTK100
TABLE SIZE	MM	2000X2000	2500X3000	3000X3000	3000X3500	3000X4000	4000X4000
TABLE LOAD	T	20	30	40	60	80	100
TABLE LINEAR TRAVEL	MM	1500	2000	2000	3000	3000	3000
TABLE LINEAR TRAVEL SPEED	MM/MIN	1-3000	1-3000	1-3000	1-3000	1-3000	
TABLE ROTATING SPEED	R/MIN	0.001-1	0.001-1	0.01-1	0.001-1	0.001-1	0.001-0.95

VERTICAL LATHES

CK5116 MODEL

CNC HIGH SPEED VERTICAL LATHE



ITEMS	UNIT	SPECIFICATIONS
MAX. TURNING DIAMETER	MM	1600
MAX. MACHINING HEIGHT	MM	1250
MAX. LOAD OF THE TABLE	T	8(≤80RPM)
TABLE DIAMETER	MM	1250
MAX. TORQUE OF THE TABLE	KN.M	10

CK52 SERIES

CNC VERTICAL LATHE WITH DOUBLE COLUMNS



Technical parameters

ITEMS	UNIT	CK5225	CK5231	CK5235	CK5240	CK5250	CK5263	CK5280	CK52100	CK52125
MAX. MACHINING DIAMETER	MM	2500	3150	3500	4000	5000	6300	8000	10000	12500
MAX. MACHINING HEIGHT	MM	1600	2000	2000	2500	3150	4000	4000	4500	5000
MAX. LOADING	T	16	20	32	40	50	80	125	150	250
TABLE DIAMETER	MM	2250	2830	3150	3600	4500	5700	6300	7100	7200
TABLE SPEED	RPM	80	63	63	63	50	32	20	16	10
CNC SYSTEM		SIEMENS/FANUC								

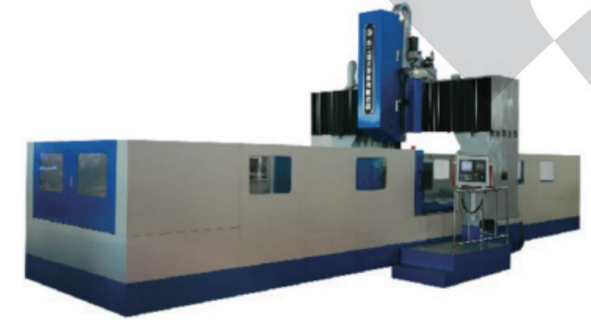
CXH52 SERIES

CNC VERTICAL TURNING AND MILLING MACHINING CENTER

Technical parameters

ITEMS	UNIT	CXH5225	CXH5231	CXH5235	CXH5240	CXH5250	CXH5263	CXH5280	CXH52100
MAX. MACHINING DIAMETER	MM	2500	3150	3500	4000	5000	6300	8000	10000
MAX. MACHINING HEIGHT	MM	1600	2000	2000	2500	3150	4000	4000	4500
MAX. LOADING	T	16	20	32	40	50	80	125	150
TABLE DIAMETER	MM	2250	2830	3150	3600	4500	5700	6300	7100
TABLE SPEED	RPM	80	63	63	63	50	32	20	16
CNC SYSTEM		SIEMENS/FANUC							
MILLING SPINDLE SPEED		2000RPM							
TOOL MAGAZINE CAPACITY		12-16 PIECES							

BRIDGE TYPE MILLING MACHINE



XK24 SERIES

CNC PORTAL TYPE BORING AND MILLING MACHINE

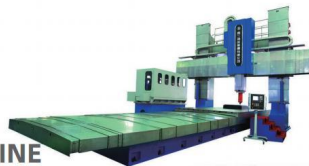
Technical parameters

ITEMS	UNIT	XK2420	XK2425	XK2430	XK2436	XK2440
MAX. LOAD PER METER ON THE TABLE	KG/M	6000		10000		15000
TABLE SIZE (L×W)		4000×2000	6000×2000	8000×3000	10000×3600	12000×4000
LONGITUDINAL TRAVEL OF THE TABLE (X-AXIS)		4500	6500	8500	10500	12500
BOTTOM SLIDE TRAVEL (Y-AXIS)		3200	3700	4200	4800	5200
RAM TRAVEL (Z-AXIS)	MM	1000	1000	1250	1250	1500
RAM SECTION		500×500				600×600
DISTANCE BETWEEN COLUMNS		2600	3100	3600	4200	4600
MAIN SPINDLE ROTATING SPEED RANGE	R/MIN	5~2000				2~1500
MAIN MOTOR POWER	KW	30/37		60		71/100

XK21

SERIES

CNC PORTAL TYPE BORING AND MILLING MACHINE



Technical parameters

ITEMS	UNIT	CK5225	CK5231	CK5235	CK5240	CK5250
MAX. LOAD ON THE TABLE	KG/M	6000	65000	10000	15000	15000
TABLE SIZE (L×W)		4000×2000	6000×2500	8000×3000	12000×4000	16000×5000
LONGITUDINAL TRAVEL OF THE TABLE (X-AXIS)		4500	6500	8500	10500	12500
BOTTOM SLIDE TRAVEL (Y-AXIS)		3200	3700	4200	4600	5200
TRAVEL OF CROSS-RAIL(W-AXIS)	MM	1000	1500	2000	2500	3500
RAM TRAVEL (Z-AXIS)		1000	1000	1250	1250	1500
RAM SECTION			500×500		600×600	
DISTANCE BETWEEN COLUMN SHIELDS		2600	3100	3600	5000	6000
MAIN SPINDLE ROTATING SPEED RANGE	R/MIN	2~2000	2~2000	2~2000	2~1500	2~1500
SPINDLE MOTOR POWER	KW		30/37	60	71/100	100

XK28

SERIES

CNC GANTRY TYPE BORING AND MILLING MACHINE



Technical parameters

ITEMS	UNIT	XK2840	XK2850	XK2860	XK2870	XK2880	XK2890
LONGITUDINAL TRAVEL OF THE GANTRY (X-AXIS)		8000 ~ CUSTOMER'S OPTION					
BOTTOM SLIDE TRAVEL (Y-AXIS)		5200	6200	7200	8200	9200	10200
TRAVEL OF CROSS-RAIL(W-AXIS)		2500	2500	3500	4000	5000	6000
RAM TRAVEL (Z-AXIS)	MM			1250~2500			1500~3000
RAM SECTION		500×500	600×600	600×600	600×600	700×700	700×700
DISTANCE BETWEEN COLUMN SHIELDS		4000	5000	6000	7000	8000	9000
ROTATING SPEED RANGE OF MAIN SPINDLE	R/MIN	2~2000	2~1500	2~1500	2~1500	2~1500	2~1500
SPINDLE MOTOR POWER	KW	60	100	100	100	100	100
MAX. LOAD ON THE FIXED TABLE	KG/M2	16000	16000	16000	16000	20000	20000

KNEE TYPE MILLING MACHINE



CNC KNEE TYPE MILLING MACHINE

Technical parameters

ITEM	UNIT	XK6032	XK6132	XK6040	XK5032	XK5032B	XK5042	XK5040A
TABLE SIZE (L×W)	MM	320×1320	320×1320	400×1600	320×1320	320×1320	420×1300	400×1600
MAX. TABLE LOADING CAPACITY	KG	300	300	500	300	300	300	500
TABLE TRAVEL (AXES X, Y, AND Z)	MM	800/375/300	800/375/300	900/400/375	800/300/400	800/350/140	790/430/140	900/375/400
SPINDLE TAPER		ISO50	ISO50	ISO50	ISO50	ISO40	ISO40	ISO50
SPINDLE SPEED	RPM	30-1500	30-1500	30-1500	30-1500	60-3000	60-3000	30-1500
FEEDING SPEED OF AXES X AND Y	MM/MIN	10-3000	10-3000	10-3000	10-3000	10-3000	10-3000	10-3000
FEEDING SPEED OF AXIS Z	MM/MIN	10-1500	10-1500	10-1500	10-1500	10-3000	10-3000	10-1500

CONVENTIONAL KNEE TYPE MILLING MACHINE

Technical parameters



ITEM	UNIT	X6130	X6132C	X6140	X5030A	X5032A	XW5032	X5040
TABLE SIZE (W×L)	MM	300×1150/	320×1320	400×1700	300×1150/	320×1320	320×1320	400×1700
		300×1500			300×1500			
TABLE LONGITUDINAL TRAVEL, MANUAL/POWER	MM	680/780	800/790	1000/990	680/780	800/790	800/790	1000/990
TABLE TRANSVERSAL TRAVEL, MANUAL/POWER	MM	235	330/320	375/365	235	300/290	300/290	375/365
TABLE VERTICAL TRAVEL, MANUAL/POWER	MM	400	400/390	450/440	400	430/420	430/420	450/440
SPINDLE		7:24 NO.40	7:24 NO.50	7:24 NO.50	7:24 NO.40	7:24 NO.50	7:24 NO.50	7:24 NO.50
SPINDLE SPEED	R/MIN	35-1600/	30-1500/	30-1500/	35-1600/	30-1500/	30-1500/	30-1500/
		12 GEARS	18 GEARS	18 GEARS	12 GEARS	18 GEARS	18 GEARS	18 GEARS

SPECIAL MACHINE TOOLS

Technical parameters



SPECIFICATION/MODEL	UNIT	2415/2417/2421/2427
MAX.DIMENSION OF THE INGOT (L×W×H)	MM	9000X2700X850
TABLE TRAVEL(AXIS X)	MM	12000-20000
TABLE LOADING CAPACITY	T	35
RAM TRAVEL	MM	350-550
MAIN MOTOR POWER(10KV 380V)	KW	450-1250
VERTICAL MILLING HEAD DIAMETER	MM	1970-2800
MOTOR FOR THE TILTING OF SIDE MILLING HEAD	KW	22
POWER OF THE MOTOR FOR CHIP SUCTION DEVICE	KW	315
POWER OF THE MOTOR FOR CRUSHING DEVICE	KW	315、630

GT-TIANDUAN

GT-TIANDUAN



COMPOSITE MATERIAL FORMING PRESS



HIGH SPEED STAMPING LINE



HOT FORMING PRODUCT LINE



FLANGE FORGING PRESS



FORGING PRESS



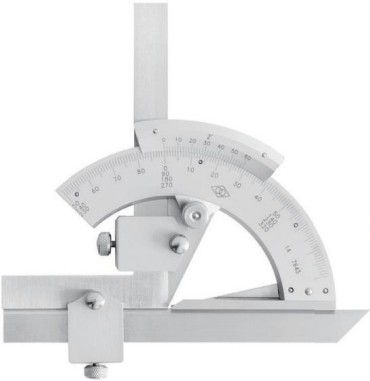
HYDRO-FORMING PRESS



TRYOUT PRESS



MICROMETERS



AL BEVEL PROTRACTORS 613

HEIGHT VERNIER GAUGES 609



DIAL HEIGHT GAUGES 617



ELECTRONIC DIGITAL
HEIGHT GAUGES 611



OUTSIDE MICROMETER 701



OUTSIDE MICROMETER 703B



OUTSIDE MICROMETERS (TUBE STRUCTURE) 704



DIGITAL DISPLAY OUTSIDE MICROMETER 704A



MICROMETER HEADS 706



INSIDE MICROMETERS 707



MICROMETERS

THREAD MICROMETER 711



DIGITAL DISPLAY THREAD MICROMETER 711A



GEAR TOOTH MICROMETER 712



DEPTH MICROMETERS 713

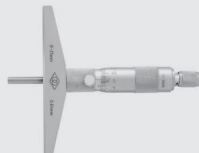


PLATE MICROMETER 724



INDICATING MICROMETER 725



POINT MICROMETER 728 728B



DIGITAL DISPLAY POINTED MICROMETER 728A



DIGITAL DISPLAY DEPTH MICROMETER 713A



WALL THICKNESS MICROMETER 719



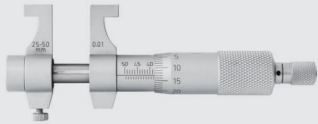
SMALL PROBE MICROMETER 729

INTERNAL MICROMETERS
WITH THREE-POINT CONTACT 732

DIGITAL DISPLAY INTERNAL MICROMETERS
WITH THREE-POINT CONTACT 732A



INSIDE MICROMETER 733



DIGITAL DISPLAY INSIDE MICROMETER 733A



BLADE MICROMETER 734



DIGITAL BLADE MICROMETER 734A



INDICATORS

DIAL INDICATORS 801



DIAL TEST INDICATORS 804



ELECTRONIC DIGITAL
INDICATORS TYPE 806(IV)



BORE MEASURING
INDICATORS 808



BORE MEASURING
INDICATORS 810



MICROCATORS 812



GAUGE BLOCKS

0.001MM COMPARATORS 816



DOUBLE-SIDED 0.01MM
DIAL INDICATORS 818



DEPTH DIAL INDICATORS 819



MAGNETIC BASES FOR
DIAL INDICATORS 822



THICKNESS GAUGES 823



METRIC OUTSIDE DIAL
CALIPER GAUGES 824



SPECIAL GAUGE BLOCKS FOR TESTING
MICROMETERS 903



SPECIAL GAUGE BLOCKS FOR TESTING
VERNIER CALIPERS 904



SPECIAL GAUGE BLOCKS FOR TESTING
DIGITAL CALIPERS 905



ANGLE GAUGE BLOCKS 906



STRAIGHT EDGES 909



WIDE-BASE ANGLE
SQUARES 910



GAUGE BLOCK CLIPS 911



GAUGES

THREE WIRES FOR THREAD CHECKING 921



PIN GAUGES 922



COMMON THREAD GAUGES 923 924



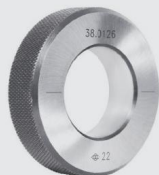
MORSE TAPER GAUGES 927 928



PLAIN LIMIT PLUG GAUGES TYPE 933



PLAIN RING GAUGES 934



GAUGES

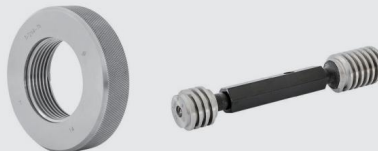
THREAD GAUGES FOR OIL SUCKING PUMPS 935 936



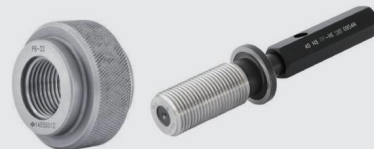
NON-SEALING PIPE THREADS WITH 55 DEGREE THREAD ANGLE 937 938



TRAPEZOIDAL THREAD GAUGES 939 940



SUCKER ROD GAUGE 941 942



60° TAPER PIPE THREAD GAUGES 943 944



GAUGES FOR PIPE THREADS WHERE PRESSURE-TIGHT JOINTS ARE MADE ON THE THREADS 945 946



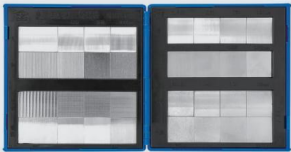
SPECIAL THREAD GAUGE FOR GAS
CYLINDERS 947 948



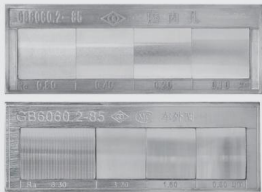
US-SYSTEM DRY SEAL PIPE
THREAD GAUGE 949 950



MULTI-PATTERN SURFACE ROUGHNESS
COMPARISON SPECIMENS 951



SINGLE-PATTERN SURFACE ROUGHNESS
COMPARISON SPECIMENS 952



GT-KUNMING

GT-KUNMING



KIMI SERIES

CNC HORIZONTAL BORING AND MILLING MACHINE

Technical parameters



ITEMS	UNIT	KIMI A-4P	KIMI B-4P	KIMI A-6P	KIMI B-6P
SPINDLE DIA.	MM	110	110	130	130
SPINDLE SPEED	RPM	10-1500	10-1500	10-1500	10-1500
MAIN MOTOR POWER	KW	15	15	30	30
SPINDLE MAX. TORQUE	N.M	1029	1029	2036	2036
FACING HEAD DIA.	MM	670	-	800	-
FACING HEAD MAX.TORQUE	N.M	1500	-	3000	-
FACING HEAD SPEED	RPM	7-165	-	5-125	-
TABLE SIZE(WXL)	MM	1250X1400	1250X1400	1400X1600	1400X1600
MAX.LOAD CAPACITY OF TABLE	T	5	5	8	8
TABLE CROSS TRAVEL(X)	MM	1800	1800	2200	2200
SPINDLE HEAD VERTICAL TRAVEL(Y)	MM	1600	1600	2000	2000
TABLE LONGITUDE TRAVEL(Z)	MM	1400	1400	2000	2000
AXIAL TRAVEL OF SPINDLE(W)	MM	600	500	800	600
FACING HEAD SLIDE TRAVEL(U)	MM	200	-	300	-
X,Y,Z POSITIONING ACCURACY	MM	0.018	0.018	0.02	0.02
X,Y,Z REPEATABILITY ACCURACY	MM	0.012	0.012	0.015	0.015

HMC SERIES

Technical parameters



ITEMS	UNIT	KHMC50	KHMC63	KHMC80	KHMC100	KHMC125	KHMC160-5A	KHMC200-5A	KHMC250-5A
TABLE SIZE(WXL)	MM	500×500	630×630	800×800	1000×1000	1250×1250	1600×1600	2000×2000	2500×2500
TABLE LOAD	KG	500	1200	2000	3000	3500	5000	8000	8000
T-SLOT	MM	5×14	7×18	9×18	22	22	22	22	22
SPINDLE TAPER		BT50	BT50	BT50	BT50	BT50	HSK-A100	HSK-A63	BT50
MAIN MOTOR POWER	KW	15/18.5	18.5/22	22/26	22	22	37	80	37
SPINDLE SPEED	RPM	20-6000	20-6000	20-6000	5000	5000	4000	30000	6000
MAX. SPINDLE TORQUE	N.M	95/117	468/556	560/661	1025	1025	940	56.6	1000
SPINDLE NOSE TO TABLE CENTER	MM	150	150	200	270	270	/	/	/
SPINDLE CENTER TO TABLE SURFACE	MM	50	50	50	-50	-65	-80	-30	200
COLUMN MOVEMENT X	MM	730	1020	1300	2000	2000	2500	2500	2000
SPINDLE MOVEMENT Y	MM	710	900	1100	1500	1500	2000	2000	1500
TABLE MOVEMENT Z	MM	710	900	1100	1350	1350	2000	2450	1400
RAPID MOVEMENT X,Y,Z	MM/MIN	40000	36000	36000	20000	20000	20000	20000	20000
FEEDRATE X,Y,Z	MM/MIN	20000	18000	18000	10000	10000	12000	12000	10000
POSITIONING X,Y,Z	MM	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
POSITIONING B	"	6	6	8	8	8	8	8	8
REPEATABILITY X,Y,Z	MM	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
REPEATABILITY B	"	3	3	4	5	5	5	5	5

CNC FLOOR TYPE BORING AND MILLING MACHINE



Technical parameters

ITEMS	UNIT	TK6213B	TK6913A	TK6916B	TK6916S	TK6920B	TK6926J
BORING SPINDLE DIA.	MM	130	130	160	160	200	260
MILLING SPINDLE DIA.	MM	221.44	221.44	300	260	320	400
SPINDLE TAPER		ISO50	ISO50	ISO50	ISO50	ISO60	ISO60
SPINDLE SPEED	R/MIN	7-1500	10-1500	2-2000	10-2500	2-2000	2-1000
MAIN MOTOR POWER	KW	25	31	58	58	81	105
SPINDLE MAX. TORQUE	N.M	3100	3400	8000	2600	10200	22000
SPINDLE MAX. THRUST	N	20000	25000	50000	25000	50000	70000
RAM SIZE(WXL)	MM	/	420X480	480X580	450X450	480X580	600X725
COLUMN CROSS TRAVEL(X)	MM	4000-30000	4000-30000	4000-30000	4000-30000	4000-30000	4000-30000
SPINDLE HEAD VERTICAL TRAVEL(Y)	MM	1600-2500	2000-4000	3000-5000	3000-4500	3000-5000	5000-7000
RAM TRAVEL(Z)	MM	/	800	1200	1000	1200	1800
SPINDLE AXIS TRAVEL(W)	MM	900	800	1200	800	1200	1600

CNC PLANER TYPE BORING AND MILLING MACHINE



Technical parameters

ITEMS	UNIT	TK6511A/B	TK6513A/B	TK6516A/B	TK6513	TK6516
BORING SPINDLE DIA.	MM	110	130	160	130	160
MILLING SPINDLE DIA.	MM	221.44	221.44/-	240/-	221.44	240
SPINDLE TAPER		ISO50	ISO50	ISO50	ISO50	ISO50
FACING HEAD DIA./RAM SIZE	MM	670/-		800/-	420X480	420X480
SPINDLE SPEED	R/MIN	7-2000/7-3000	7-2000/7-3000	7-2000/7-2500	10-1500	10-1500
MAIN MOTOR POWER	KW	19.5(SIEMENS)	25(SIEMENS)	31(SIEMENS)	31	44
SPINDLE MAX. TORQUE	N.M	1300/1000	2300/1700	2900/2100	3400	4800
SPINDLE MAX. THRUST	N	20000	25000	25000	25000	25000
TABLE LOADING CAPACITY	KG	5000	10000	20000	20000	20000
TABLE SIZE	MM	1000X1000 1250X1250 1400X1400	1400X1600 1600X1800 1800X2000	1800X2000 2000X2000 2000X2500	1800X2000 2000X2000 2000X2500	1800X2000 2000X2000 2000X2500
TABLE CROSS TRAVEL(X)	MM	2000(3000)	2000(3000,4000)	2000(3000,4000)	2000(3000,4000)	2000(3000,4000)
SPINDLE HEAD VERTICAL TRAVEL(Y)	MM	1600(2000)	1600(2000,2500,3000)	1600(2000,2500,3000)	1600(2000,2500,3000)	1600(2000,2500,3000)
COLUMN LONGITUDE TRAVEL(Z)	MM	1500	1250 (1600,2000,2500,3000)	1250 (1600,2000,2500,3000)	1250 (1600,2000,2500,3000)	1250 (1600,2000,2500,3000)
SPINDLE AXIS TRAVEL(W)	MM	600	900	900	800	800
FACING HEAD SLIDE TRAVEL(U)/RAM TRAVEL(V)	MM	200	300	300	800	800
TABLE ROTATION(B)		360°	360°	360°	360°	360°
ATC	PC	40 (60)	40 (60)	40 (60)	40 (60)	40 (60)

GANTRY TYPE BORING AND MILLING MACHINE SERIES



Technical parameters

ITEMS	UNIT	XK2416	XK2420	XK2425	XK2430
TABLE SIZE(WXL)	MM	1600X3000	2000X4000	2500X6000	3000X6000
TABLE LOAD	KG	10000	15000	25000	30000
SPAN OF GANTRY	MM	2100	2700	3200	3700
SPINDLE NOSE TO TABLE SURFACE	MM	200-1200	200-1200	250-1500	250-1500
MAIN MOTOR POWER	KW	25	31	31	31
SPINDEL SPEED	RPM	20-3000/40-6000	20-3000/40-6000	20-3000	20-3000
MAX. SPINDLE TORQUE	N.M	1200/1000	1900/1000	1900	1900
RAM SIZE	MM	450X450	450X450	450X450	450X450
COLUMN MOVEMENT X	MM	3200	4200	6200	6200
SPINDLE MOVEMENT Y	MM	2400	3000	3500	4000
TABLE MOVEMENT Z	MM	1000	1000	1250	1250
RAPID MOVEMENT X,Y,Z	MM/MIN	10000	10000	10000	10000
FEEDRATE X,Y,Z	MM/MIN	1-5000	1-5000	1-5000	1-5000
POSITIONING X,Y	MM	0.02/1000	0.02/1000	0.02/1000	0.02/1000
POSITIONING Z	MM	0.02	0.02	0.02	0.02
REPEATABILITY X,Y,Z	MM	0.015	0.015	0.015	0.015
MACHINE WEIGHT APPROX.	KG	48000	70000	85000	95000

Technical parameters

ITEMS	UNIT	KGMC1220	KGMC1630	KGMC2040	KGMC2550	KGMC3060
TABLE SIZE(WXL)	MM	1250X2000	1600X3000	2000X4000	2500X4000	3000X6000
TABLE LOAD	KG	40000	10000	15000	18000	25000
SPAN OF GANTRY	MM					
SPINDLE NOSE TO TABLE SURFACE	MM	150-910	150-910	150-910	150-1150	150-1400
MAIN MOTOR POWER	KW	15	15	22	22	22
SPINDEL SPEED	RPM	20-6000	20-6000	20-6000	20-6000	20-6000
MAX. SPINDLE TORQUE	N.M	127	381.5	560	560	560
RAM SIZE	MM	380X380	380X380	450X460	450X460	450X460
COLUMN MOVEMENT X	MM	2000	3200	4200	5200	6200
SPINDLE MOVEMENT Y	MM	1450	1850	2400	3000	3800
TABLE MOVEMENT Z	MM	760	760	800	1000	1250
RAPID MOVEMENT X,Y	MM/MIN	16000	16000	16000	12000	12000
RAPID MOVEMENT Z	MM/MIN	12000	12000	12000	1000	8000
FEEDRATE X,Y	MM/MIN	1-10000	1-10000	1-10000	1-8000	1-8000
FEEDRATE Z	MM/MIN	1-8000	1-8000	1-8000	1-8000	1-6000
POSITIONING X,Y	MM	0.02/1000	0.02/1000	0.02/1000	0.02/1000	0.02/1000
POSITIONING Z	MM	0.02	0.02	0.02	0.02	0.02
REPEATABILITY X,Y	MM	0.015	0.015	0.015	0.015	0.015
MACHINE WEIGHT APPROX.	KG	19000	26000	40000	55000	75000

Technical parameters

ITEMS	UNIT	KGMC1220	KGMC1630	KGMC2040	KGMC2550
TABLE SIZE(WXL)	MM	630×630	800×800	1000×1000	1250×1250
TABLE LOAD	KG	1000	1500	2000	3000
T-SLOT	MM	18	18	22	22
SPINDLE TAPER		ISO 50	ISO 50	ISO 50	ISO 50
MAIN MOTOR POWER	KW	17	22	22	30
MAX. SPINDEL SPEED	RPM	6000	6000	6000	5000
MAX. SPINDLE TORQUE	N.M	162	560	560	900
SPINDLE NOSE TO TABLE CENTER	MM	90	100	180	370
SPINDLE CENTER TO TABLE SURFACE	MM	20	40	100	80
COLUMN MOVEMENT X	MM	800	1000	1200	1600
SPINDLE MOVEMENT Y	MM	700	900	1100	1200
TABLE MOVEMENT Z	MM	700	900	1100	1050
TABLE ROTATION	°	360	360	360	360
RAPID MOVEMENT X,Y,Z	MM/MIN	24000	24000	24000	24000
FEEDRATE X,Y,Z	MM/MIN	10000	10000	10000	10000
POSITIONING X,Y,Z	MM	0.003	0.003	0.003	0.003
POSITIONING B	"	3	3	3	3
REPEATABILITY X,Y,Z	MM	0.0015	0.0015	0.0015	0.0015
REPEATABILITY B	"	1.5	1.5	1.5	1.5
MACHINE WEIGHT APPROX.	KG	24000	26000	30000	34000

Technical parameters

ITEMS	UNIT	TX6111D	TX6111C/2	TX6111C/3	TX6113D	TX6113C/2
SPINDLE DIAMETER	MM	110	110	110	130	130
SPINDLE TAPER		ISO 50	ISO 50	ISO 50	ISO 50	ISO 50
SPINDLE SPEED	RPM	9-1000(18STEPS)	9-1000(18STEPS)	9-1000(18STEPS)	6.6-755(18 STEPS)	6.6-755(18 STEPS)
MAX. SPINDLE TORQUE	N.M	1000	1000	1000	2000	2000
MAX.DRILLING DIAMETER OF SPINDLE	MM	65	65	65	80	80
MAX.BORING DIAMETER OF SPINDLE	MM	300	300	300	350	350
POWER OF MAIN DRIVE MOTOR	KW	7.5	7.5	7.5	15	15
MA.TORQUE OF FACING HEAD	N.M	1500	1500	1500	3000	3000
FACING HEAD SPEED	RPM	6-221(14 STEPS)	6-221(14 STEPS)	6-221(14 STEPS)	4.4-165(14 STEPS)	4.4-165(14 STEPS)
TABLE CROSS MOVEMENT X	MM	1000	1300	1600	2000	2000
SPINDLE MOVEMENT Y	MM	900	1100	1400	1600(2000)	1600(2000)
TABLE LONGITUDINAL MOVEMENT Z	MM	1400	1400	1400	2000	2000
SPINDLE MOVEMENT W	MM	600	600	600	900	900
FACING HEAD SLIDE MOVEMENT U	MM	170	170	170	200	200
TABLE ROTATION B	°	4×90	4×90	4×90	4×90	360
TABLE SIZE	MM	1100X1000	1200X1100	1200X1100	1600X1400	1600X1400
MAX.LOAD OF TABLE	KG	2500	4000	4000	10000	10000
OVERALL DIMENSION	MM	5215X2140X3040	5215X3200X3000	5215X3500X3300	6400X4500X4300	7520X4560X4085
MACHINE WEIGHT APPROX.	KG	12000	16200	18300	31500	34000