



Flat bed CNC lathes



DMTG WECHAT

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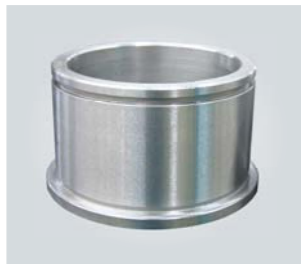
CKE Series

DALIAN MACHINE TOOL GROUP CORPORATION

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CKE Series

CKE6126/6136/6140/6150/6163A/6180A/61100A



Configuration		CKE6126	CKE6136	CKE6140	CKE6150	CKE6163A	CKE6180A	CKE61100A
Guide way type	Box way	•	•	•	•	•	•	•
	Double speed motor	—	•	•	•	—	—	—
Main drive speed change form	Common motors	—	—	—	—	•	•	•
	Manual inverter-driven motor	—	○	○	○	○	○	○
	Automatic inverter-driven motor	—	○	○	○	○	○	○
	Single spindle	•	CKA6136i	CKA6140i	CKA6150i	—	—	—
CNC	DMTG CNC	○	○	○	○	○	○	○
	FANUC 0i mate TD	○	○	○	○	○	○	○
	GSK-980TD	○	○	○	○	○	○	○
	HNC-808T	—	○	○	○	—	—	—
	Siemens-828	—	○	○	○	○	○	○
Chuck	Manual	•	•	•	•	•	•	•
	Domestic hollow	—	○	○	○	○	○	○
	Domestic solid	—	○	○	○	○	○	○
	Taiwan hollow	—	○	○	○	○	○	○
	Taiwan solid	—	○	○	○	○	○	○
Tailstock	Manual tailstock	•	•	•	•	•	•	•
	Hydraulic tailstock	—	○	○	○	○	○	○
	Pneumatic tailstock	—	○	○	○	—	—	—
Tool post	Vertical 4-stationl	•	•	•	•	•	•	•
	Horizontal 6-station	—	○	○	○	○	○	○
	Horizontal 8-station	—	—	—	—	○	○	○
Coolant System	Forced air cooling	•	•	•	•	•	•	•
	Heat exchanger for Electric Box	—	○	○	○	○	○	○
	Electric Box thermostat	—	○	○	○	○	○	○
Other options or feature	Steady rest	○	○	○	○	○	○	○
	Follower rest	○	○	○	○	○	○	○
	4-Jaw chuck	—	○	○	○	○	○	○

☆ : Persist with the policy of continual product improvement, we reserve the right to amend the specifications in this catalog without prior notice.

Main technical specification		Unit	CKE6126	CKE6136	CKE6136i	CKE6140	CKE6140i	CKE6150	CKE6156	CKE6166	CKE6163A	CKE6180A	CKE61100A	
Max. swing over bed		mm	Φ260	Φ360		Φ400		Φ500	Φ560	Φ660	Φ630	Φ800	Φ1000	
Max. swing over cross slide		mm	Φ145	Φ180		Φ200		Φ280	Φ330	Φ430	Φ320	Φ490	Φ700	
Max. workpiece length		mm	600	750/1000		750/1000		750/1000/1500/2000			1000/1500/2000/3000/4000/5000		1000/1500/2000	
Max. cutting length		mm	500	620/870		620/870		680/930/1430/1930			785 / 1245 / 1845 / 2745/3785/4745 (Vertical 4-station) 690 / 1140 / 1740 / 2640/3660/4640 (Horizontal 6-station)			
Max. cutting dia.	Vertical 4-station	mm	260	Φ360		Φ400		Φ500	Φ560	Φ560	630	800	1000	
	Horizontal 6-station	mm	—	Φ300		Φ340		Φ400	Φ400	Φ400	570	570	570	
	Horizontal 8-station	mm	—	—		—		—	—	—	620	620	580	
Spindle center height		mm	167	186		200		250	280	330	315	400	515	
Main motor power (double speed motor)		kW	4 *	3/4.5	5.5 *	3/4.5	5.5 *	6.5/8			11			
Diameter of spindle bore		mm	Φ40	Φ48 Φ52(inverter-driven motor)	Φ40	Φ48 Φ52(inverter-driven motor)	Φ40	Φ82			Φ100			
Taper of spindle bore			MT 5	MT 6	MT 5	MT 6	MT 5	Φ90 1:20			公制 120			
Spindle nose			A ₂ -5	A ₂ -6	A ₂ -5	A ₂ -6	A ₂ -5	D8			C ₁₁			
Spindle speed ranges		r/min	400~3500 (stepless variable drive)	32~2000 (12 Speeds)	200~3500 (stepless variable drive)	32~2000 (12 Speeds)	200~3500 (stepless variable drive)	45~2000			7.5~1000			
Tailstock quill diameter		mm	Φ42	Φ63		Φ63		Φ75			Φ100			
Tailstock quill travel		mm	110	130		130		Manual tailstock 150 Hydraulic tailstock 120			240			
Tailstock quill taper			No 3 MT	No 4 MT		No 4 MT		No 5 MT			No 6 MT			
Max. Travel of X-axis		mm	190	230		230		250	305		320	400	400	
Max. Travel of Z-axis		mm	559	580/830	625/875	625/875		685/935/1435/1935			790/ 1250/1850/2750/3790/4750		790/1250/1850	
X/Z axis rapid feed speed		m/min	4/5	4/5		4/5		4/8(750~1500) 4/6(2000)			4/3.5~7.5			
Section of tool shank (Vertical 4-station)		mm	16×16	20×20		20×20		25×25			32×25			
Positioning accuracy		mm	0.030/0.040	0.030/0.040		0.030/0.040		0.030/0.040(750、1000) 0.030/0.045(1500) 0.030/0.050(2000)			0.030/0.040(1000) 0.030/0.045(1500) 0.030/0.050(2000、3000、4000、5000)		0.030/0.040(1000) 0.030/0.045(1500) 0.030/0.050(2000)	
Repeatability		mm	0.012/0.016	0.012/0.016		0.012/0.016		0.012/0.016(750、1000) 0.012/0.020(1500) 0.012/0.025(2000)			0.012/0.016(1000) 0.012/0.020(1500) 0.012/0.025(2000、3000、4000、5000)		0.012/0.016(1000) 0.012/0.020(1500) 0.012/0.025(2000)	
Overall dimensions(L×W×H)		mm	1790×1520 ×1450	2300×1480×1520(750) 2550×1480×1520(1000)		2300×1480×1520(750) 2550×1480×1520(1000)		2580×1750×1620(750) 2830×1750×1620(1000) 3330×1750×1620(1500) 3830×1750×1620(2000)		2580×1750×1770(750) 2830×1750×1770(1000) 3330×1750×1770(1500) 3830×1750×1770(2000)		3455×2020×1805(1000) 3905×2020×1805(1500) 4505×2020×1805(2000) 5405×2020×1805(3000) 6455×2020×1805(4000) 7535×2020×1805(5000)		3455×2020×2000(1000) 3905×2020×2000(1500) 4505×2020×2000(2000)
Machine weight		kg	1000	1800/1950		1800/1950		2550/2600/2700/2800	2900/2650/2750/2850	2700/2750/2850/2950	4800/5100/5600/5900/7100/8100	5300/5600/6100/6400/7600/8600	5600/6000/6500	

*Inverter-driven motor

Spindle motor special configuration :

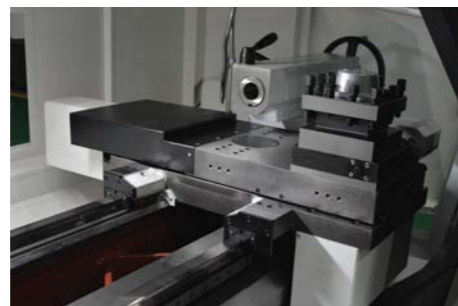
CKE6136 Series inverter-driven motor
Main motor power : 5.5kW
Spindle nose : A₂-6
Spindle speed ranges : 20 ~ 2500 r/min
Two range manual or auto change , variable speed
Speed ranges : (20 ~ 650rpm)(75 ~ 2500rpm)

CKE6150/CKE6156/CKE6166 Series inverter-driven motor
Main motor power : 7.5kW
Spindle nose : D8
Spindle speed ranges : 7 ~ 2200 r/min
Two range manual or auto change , variable speed
Speed ranges : (7 ~ 135r/min)(30 ~ 550r/min)(110 ~ 2200r/min)

CKE6163A/CKE6180A/CKE61100A Series inverter-driven motor
Main motor power : 11kW
Spindle nose : C₁₁
Spindle speed ranges : 10 ~ 1000r/min
4 range manual or auto change , variable speed
Speed ranges : (10 ~ 90、20 ~ 200、50 ~ 445、110 ~ 1000)

CKE Series

CKE6136L/CKE6150L/CKE6163L



Main technical specification	Unit	CKE6126L	CKE6136L	CKE6150L	CKE6163L
Max. swing over bed	mm	Φ260	Φ360	Φ500	Φ630
Max. swing over cross slide	mm	Φ140	Φ180	Φ240	Φ320
Max. workpiece length	mm	300	400/750/1000	750/1000/1500	1360
Max. cutting length	mm	205	260/510/760	590/840/1340	1260
Max. cutting dia.(Vertical 4-station)	mm	Φ260	Φ360	Φ500	Φ630
Spindle center height	mm	167	216	280	355
Main motor power(Servo motor)	kW	5.5	7.5	9.5	18.5
Diameter of spindle bore	mm	Φ40	Φ40	Φ82	Φ105
Spindle nose		A ₂ -5	A ₂ -5	A ₂ -8	A ₂ -11
Spindle speed ranges	r/min	40 ~ 4000	40 ~ 4000	30 ~ 3000	2 ~ 1500
Tailstock quill diameter	mm	Φ42	Φ63	Φ75	Φ100
Tailstock quill travel	mm	110	120	150	240
Tailstock quill taper		No 3 MT	No 4 MT	No 5 MT	No 6 MT
Max. Travel of X-axis	mm	165	230	280	400
Max. Travel of X-axis	mm	260	265/515/765	280/590/840	1260
X/Z axis rapid speed	m/min	20/20	20/20	20/20 (20/12 1500 型)	20/20
Section of tool shank (Vertical 4-station)	mm	16×16	20×20	25×25	32×25
Overall dimensions(L×W×H)	mm	1544×1180×1450	1945×1480×1520(400) 2300×1480×1520(750) 2550×1480×1520(1000)	2580×1750×1620 (750) 2830×1750×1620 (1000) 3330×1750×1620 (1500)	3905×2020×1845(1500)
Machine weight	kg	900	960/1800/1950	2550/2600/2700	5100

Standard configurations

- Linear motion guideways
- Manual Chuck
- Manual tailstock
- Vertical 4-station Tool post
- Forced air cooling

Optional configurations

- Hydraulic chuck
- Hydraulic tailstock
- Horizontal 6-station
- Steady rest
- Follower rest
- Heat exchanger for Electric Box

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CKE Series

CKE61100M/CKE61125M



Main technical specification	Unit	CKE61100M	CKE61125M
Max. swing over bed	mm	Φ1000	Φ1250
Max. swing over cross slide	mm	Φ630	Φ880
Max. workpiece length	mm	1500, 2000, 3000, 4000, 5000, 6000, 8000	
Max. cutting length	mm	1400, 1900, 2900, 3900, 4900, 5900, 7900	
Max. cutting dia.(Vertical 4-station)	mm	Φ1000	Φ1250
Spindle center height	mm	500	625
Main motor power (Servo motor)	kW	22/26	
Diameter of spindle bore	mm	Φ130	Φ130
Taper of spindle bore		Φ140mm 1:20	
Spindle nose		A ₂ -15	
Spindle speed ranges	r/min	5~500(≤ Φ800 Chuck) 2~315(Φ1000 Chuck) 2~280(Φ1250 Chuck)	
Tailstock quill diameter	mm	Φ200	
Tailstock quill travel	mm	300	
Tailstock quill taper		No 6 MT	
Max. Travel of X-axis	mm	520	640
Max. Travel of X-axis	mm	1500, 2000, 3000, 4000, 5000, 6000, 8000	
X/Z axis rapid feed speed	m/min	6/8	
Section of tool shank (Vertical 4-station)	mm	40×40	
Overall dimensions(L×W×H)	mm	6320×2300×2200(1500) 6820×2300×2200(2000) 7820×2300×2200(3000) 8820×2300×2200(4000) 9820×2300×2200(5000) 10820×2300×2200(6000)	6320×2520×2300(1500) 6820×2520×2300(2000) 7820×2520×2300(3000) 8820×2520×2300(4000) 9820×2520×2300(5000) 10820×2520×2300(6000)
Machine weight	t	13.5/14/15/16/17/18/20	14.5/15/16/17/18/19/21

Standard configurations

- FANUC 0i-TD
- 4-Jaw Chuck
- Manual tailstock(≤4000) , Electric tailstock(>4000)
- Vertical 4-station Tool post
- Heat exchanger for electrical cabinet
- Hinge type chip conveyor, side-mounted

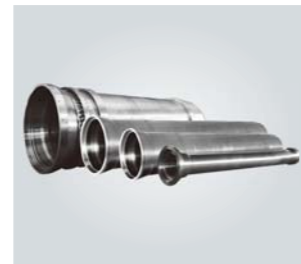
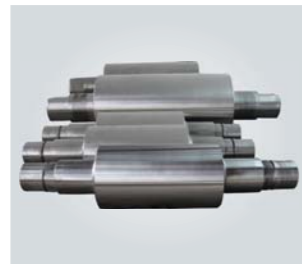
Optional configurations

- SIEMENS 828D
- Horizontal 8-station Tool post
- Φ50 ~ Φ220mm Steady rest
- Φ50 ~ Φ470mm Follower rest
- Thermal stable unit in electrical cabinet

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CKE Series

CKE61160H/CKE61200H



Main technical specification	Unit	CKE61160H	CKE61200H
Max. swing over bed	mm	Φ1600	Φ2000
Max. swing over cross slide	mm	Φ1250	Φ1600
Max. workpiece length	mm	3000、5000、6000、8000	
Max. cutting length	mm	2900、4900、5900、7900	
Max. cutting dia.(Vertical 4-station)	mm	Φ1600	Φ2000
Spindle center height	mm	850	1030
Main motor power (Servo motor)	kW	37/45	
Diameter of spindle bore	mm	Φ130	Φ130
Taper of spindle bore		Φ140mm 1:20	
Spindle nose		A ₂ -15	
Spindle speed ranges	r/min	2~250(Φ1600 Chuck) 2~200(Φ2000 Chuck)	
Tailstock quill diameter	mm	Φ240	
Tailstock quill travel	mm	250	
Tailstock quill taper		Φ80mm 1:20	
Max. Travel of X-axis	mm	820	1020
Max. Travel of X-axis	mm	3000、5000、6000、8000	
X/Z axis rapid feed speed	m/min	6/8	
Section of tool shank (Vertical 4-station)	mm	50×50	
Overall dimensions(L×W×H)	mm	8260×3770×2570(3000) 10260×3770×2570(5000) 11260×3770×2570(6000) 13260×3770×2570(8000)	8260×3930×3020(3000) 10260×3930×3020(5000) 11260×3930×3020(6000) 13260×3930×3020(8000)
Machine weight	t	20/24.5/27.5/29.5	21.5/26/29/31

Standard configurations

- FANUC 0i-TD
- 4-Jaw Chuck
- Manual tailstock(≤4000) , Electric tailstock(>4000)
- Vertical 4-station Tool post
- Heat exchanger for electrical cabinet
- Hinge type chip conveyor, side-mounted

Optional configurations

- SIEMENS 828D
- Horizontal 8-station Tool post
- Φ700 ~ Φ1250mm Open steady rest (CKE61160)
- Φ950 ~ Φ1600mm Open steady rest (CKE61200)
- Φ400 ~ Φ750mm Closed steady rest
- Thermal stable unit in electrical cabinet

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