

Flat Bed CNC Lathes: CKE Series

CKE Series Flat Bed CNC Lathes

Main Features

All main components, bed, headstock, saddle, plinth etc are high quality solid castings

Low friction Turcite-B coating on all surfaces between saddle and guideways

Precision ballscrews and highly rigid precision bearings ensure accurate positioning and heavy cutting capability

Centralised oil system provides forced automatic lubrication onto ballscrews and surfaces

Choice of two model ranges. THE CKE-Z series has automatic headstock gear change, wide range high spindle speed and low noise levels of under 80db. The CKE-i series, with independent spindle structure, utilises a frequency converted spindle motor or servomotor to offer stepless high spindle speeds.

Operator adjustable control panel enables convenient tool setting

Fully enclosed guards with interlock offer a waterproof and chip-free environment

Horizontal 4-P automatic indexing toolpost is provided as standard, while vertical 4-P toolpost, horizontal 6-P toolpost, quick-change toolpost etc can also be supplied to suit customers' specific requirements

Optional pneumatic or hydraulic chuck and tailstock are available

FANUC, SIEMENS, FAGOR etc control systems can be supplied. E-handwheel function is also available

Standard accessories

3-jaw chuck, centre, centre sleeve, tools, foundation bolts & pads.

Optional

4-jaw chuck, steady rest, follower rest, drive plate, rotating centre, anti-vibration pads.



Specifications

CKE Series		CKE6136Z	CKE6140Z	CKE6150Z	CKE6156Z
Max.Swing Over Bed	inch	14.17	15.75	19.69	20.05
Width of Bed	inch	11.81	11.81	15.75	15.75
Max.Length of Workpiece	inch	29.53/39.37	29.53/39.37	29.53/39.37/ 59.06/78.74	29.53/39.37/ 59.06/78.74
Max.Swing Over Slide	inch	7.09	7.87	11	13
Spindle Nose		D1-6	D1-6	D1-8	D1-8
Chuck Size	inch	7.87	7.87	9.84	9.84
Spindle Bore	inch	2.05	2.05	3.23	3.23
Spindle Speed	rpm	20-2500	20-2500	7~2200	7~2200
Steps of Spindle Speed		2-step	2-step	3-step	3-step
Spindle Motor	hp	7.5	7.5	10hp	10hp
X Axis Travel	inch	8.07	8.86	11	12
Z Axis Travel	inch	24.4/34.25	24.4/34.25	26.77/36.61/ 56.3/75.98	26.77/36.61/ 56.3/75.98
X Axis Rapid Traverse	inch/min	157	157	236	236
Z Axis Rapid Traverse	inch/min	197	197	394	394
Positioning Accuracy, X axis (JIS)	inch (+/-)	0.00044	0.00044	0.00044	0.00044
Positioning Accuracy, Z axis (JIS)	inch (+/-)	0.00058	0.00058	0.00058	0.00058
Repeatability, X axis (JIS)	inch (+/-)	0.00017	0.00017	0.00017	0.00017
Repeatability, Z axis (JIS)	inch (+/-)	0.00023	0.00023	0.00023	0.00023
Vertical 4-position Turret Indexing Time	sec.	2.4	2.4	2.4	2.4
Diameter of Tailstock Quill	inch	2.36	2.36	2.95	2.95
Travel of Tailstock Quill	inch	5.12	5.12	5.91	5.91
Taper of Tailstock Quill	MT	4	4	5	5
Net Weight	lbs	3970/4300	3970/4300	5620/5735/ 5955/6175	5735/5845/ 6065/6285
Control Type	type	Anilam/ Fagor/Fanuc	Anilam/ Fagor/Fanuc	Anilam/ Fagor/Fanuc	Anilam/ Fagor/Fanuc

CKE Series		CKE6136Z	CKE6140Z	CKE6150Z
Max.Swing Over Bed	inch	25.98	24.8	31.5
Width of Bed	inch	15.75	21.65	21.65
Max.Length of Workpiece	inch	29.53/39.37/ 59.06/78.74	39.37/59.06/ 78.74/ 118.11/157.48	39.37/59.06/78.74/ 118.11/157.48
Max.Swing Over Slide	inch	16.93	12.6	19.29
Spindle Nose		D1-8	D1-11	D1-11
Chuck Size	inch	9.84	12.6	15.75
Spindle Bore	inch	3.23	3.94	3.94
Spindle Speed	rpm	7~2200	40~1000	40~1000
Steps of Spindle Speed		3-step	4-step	4-step
Spindle Motor	hp	10hp	15hp	15hp
X Axis Travel	inch	12	12.6	16.54
Z Axis Travel	inch	26.77/36.61/56.3/75.98	22.83/30.91/52.76/ 72.24/107.68	22.83/30.91/52.76/ 72.24/107.68
X Axis Rapid Traverse	inch/min	236	157	157
Z Axis Rapid Traverse	inch/min	394	315	315
Positioning Accuracy, X axis (JIS)	inch (+/-)	0.00044	0.00044	0.00044
Positioning Accuracy, Z axis (JIS)	inch (+/-)	0.00058	0.00066	0.00066
Repeatability, X axis (JIS)	inch (+/-)	0.00017	0.00017	0.00017
Repeatability, Z axis (JIS)	inch (+/-)	0.00023	0.00029	0.00029
Vertical 4-position Turret Indexing Time	sec.	2.4	2.9	2.9
Diameter of Tailstock Quill	inch	2.95	3.94	3.94
Travel of Tailstock Quill	inch	5.91	9.45	9.45
Taper of Tailstock Quill	MT	5	6	6
Net Weight	lbs	5955/6065/ 6285/6505	10360/10580/11685/ 12345/15435	11465/11685/12790/ 13450/16535
Control Type	type	Anilam/ Fagor/Fanuc	Anilam/Fagor/Fanuc	Anilam/Fagor/Fanuc