

CINCINNATI MACHINES

CobraTi & PythonTi CNC Teach Lathes

Ti Series CNC Teach Lathes are based on the time tested and proven CINCINNATI MACHINES Cobra and Python Series lathes to insure quality, performance, and reliability.

You can choose from your favorite Teach CNC Control Systems, whether it be Fagor, Anilam, or Fanuc. To that add Ballscrews, Servo Slide Drives, Digital Handwheels, and Spindle encoder and you have a very rugged and reliable yet easy to use and efficient turning machine, with infinitely variable spindle control.

From there, you can take it where you wish by adding features such as power chucks, auto indexing 4/6/8 station turrets, steady rests, programmable spindle speeds, chip conveyor etc.

Cobra Ti machines are available from 15x50 up to 22x120, and Pythons up to 32x160. See the Cobra and Python specs on next page.

CobraTi 2060



You can also choose to put Teach Controls on our larger CF Series Machines



PythonTi 32120

COBRA Specifications (inches)

Model	1340	1440	1550	1860	1880	18100	18120	2060	2080	20100	20120	2260	2280	22100	22120
Center height	6.5	7	7.5	9				10				11			
Swing over bed	13	14	15	18				20				22			
Swing over cross slide	7.5	8.625	9.5	11.5				13.5				15.5			
Swing in gap	19.5	22	24	28				30				32			
Center distance	40	40	50	60	80	100	120	60	80	100	120	60	80	100	120
Gap width	6	6	6	9				9				9			
Spindle nose (Camlock)	D1-4	D1-5	D1-6	D1-8				D1-8				D1-8			
Spindle bore	1.375	1.625	2.125	3.125				3.125				3.125			
Spindle speeds	105-2000	70-2000	25-2000	20-1600				20-1600				20-1600			
Spindle speed steps	8	8	16	16				16				16			
Spindle center taper	#3MT	#3MT	#4MT	#5MT				#5MT				#5MT			
Tailstock center	#3MT	#3MT	#4MT	#5MT				#5MT				#5MT			
Bed width	7.5	10	11	13				13				13			
Bed length	54	71	86	105	125	145	165	105	125	145	165	105	125	145	165
Cross slide travel	7.5	8.25	9	10.5				10.5				10.5			
Top slide travel	3.5	3.75	4.75	5.25				5.25				5.25			
Tailstock spindle travel	4.375	5.75	6.125	7				7				7			
Tailstock barrel diameter	1.5	2	2.312	3				3				3			
No. of whitworth threads	32	36	45	45				45				45			
Whitworth thread range	4-56	4-72	2-72	2-72				2-72				2-72			
No. of metric threads	14	27	39	39				39				39			
Metric thread range	.5-6	.4-7	.2-14	.2-14				.2-14				.2-14			
#Diametral pitch threads	----	21	21	21				21				21			
Diametral pitch range	----	8-44	8-44	8-44				8-44				8-44			
#module pitch threads	----	18	18	18				18				18			
Module pitch range	----	.3-3.5	.3-3.5	.3-3.5				.3-3.5				.3-3.5			
Longitudinal feeds	.038-.254	.03-.40	.04-1	.04-1				.04-1				.04-1			
Cross feeds	.012-.09	.01-.13	.02-.5	.02-.5				.02-.5				.02-.5			
Main drive motor	3hp	5hp	7.5hp	10hp				10hp				10hp			
Packing size L	76	84	99	116	136	156	176	116	136	156	176	116	136	156	176
W	30	36	40	44				44				44			
H	58	60	63	69				70				72			
Machine weight (lbs)	1474	1980	2860	4400	5060	6160	7260	4840	5500	6600	7700	5280	5940	7040	8140
Shipping weight (lbs)	1870	2420	3300	5060	5830	7040	8360	5500	6270	7480	8800	5940	6710	7920	9240

PYTHON Specifications (inches)

MODEL	2660	2680	26120	26160	3060	3080	30120	30160
Center height	13				15			
Swing over bed	26				30			
Swing over crossslide	18				22			
Swing in gap	33.8				37.8			
Distance between centers	60	80	120	160	60	80	120	160
Gap width in front of faceplate	16				16			
Spindle nose (Camlock)	D1-11 (A2-11 optional)				D1-11 (A2-1 optional)			
Spindle bore	4.125				4.125			
Spindle speeds (16 steps)	10-1395				10-1395			
Spindle nose bush	#8MT				#8MT			
Spindle center	#6MT				#6MT			
Tailstock center	#6MT				#6MT			
Width of bed	18.9				18.9			
Length of bed	118	138	178	218	118	138	178	218
Crossslide travel	13				15			
Top slide travel	10				10			
Tailstock spindle travel	12				12			
Tailstock barrel diameter	13				13			
No. of whitworth threads	45 (2-72 tpi)				45 (2-72 tpi)			
No. of metric threads	39 (0.2mm-14mm)				39 (0.2mm-14mm)			
No. of diametral pitch threads	21 (8-44 D.P.)				21 (8-44 D.P.)			
No. of module pitch threads	18 (0.3-3.5mm)				18 (0.3-3.5mm)			
Longitudinal feeds	0.04-10 (0.0015 - 0.004) 640 ipm rapid				0.04-10 (0.0015 - 0.004) 640 ipm rapid			
Cross feeds	0.02 - 0.5 (0.0008 - 0.02)				0.02 - 0.5 (0.0008 - 0.02)			
Main drive motor	15HP (20HP optional)				15 HP (20HP optional)			
Shipping size (LxWxH)	150x73x86	170x73x86	210x73x86	250x73x86	150x73x88	170x73x88	210x73x88	250x73x88
Machine weight (lbs.)	8350	9460	11880	14300	8800	9900	12320	14740
Shipping weight (lbs.)	9460	11000	13200	15840	9900	11440	13640	16280

Machine Specifications and Features shown in this brochure are provided as a guide only and are subject to change without notice