



## AD10 AD-15 AD-15B Slant Bed CNC Lath

*These lathes are semi-closed loop CNC machine tools suitable to turn various complicated shaft, sleeve and disk-like work-pieces, such as turning of internal and external cylindrical, conical and other circumgyration surface as well as various metric, inch, modular and diametric pitch threads. They can also be used for oil grooves and keyways broaching, end-facing, grooving and chamfering etc. Besides turning applications, high speed and high efficiency turning center .It can also be used to drill and mill for various complicated work-piece machining by its X/Z/C 3-axis combined motion. The unique construction developed using FEA techniques to provide maximum stiffness under the heaviest cutting conditions. The machining accuracy is about IT5-IT6, and the surface roughness is about Ra0.4um for nonferrous metal cutting and Ra0.8um for ferrous metal's. As universal CNC lathes, they are especially suitable for the machining of high precision work-pieces, and also widely used to machining parts in batches in the fields of automobile, motorcycle, railroad, aero-craft, home-appliance, bearing, hardware, etc. So they are highly reputed in machine building industry.*

Item	Unit	AD-10	AD-15	AD-15B
Swing over bed	mm	360	440	440
Max.turning dia	mm	300	300	320
Max.turning dia over carriage	mm	170	255	220
Max.turning length	mm	500/700/1000	450	500/750
Distance between centers	mm	600/750/1100	600	600/850
Max.bar capacity	mm	36	52	52
X-axis travel	mm	170	180	190
Z-axis travel	mm	510/760/1010	480	510/760
Rapid traverse(x-and z-axis)	m/min	18/20	18/20	18/20
Cutting feed(x-and z-axis)	mm/min	5000	5000	5000
Hand feed(x-and z-axis)	mm/min	1260	1260	1260
Spindle speed	rpm	50-5000	50-4500	50-4500
Spindle nose	mm	A2-5	A2-6	A2-6
Size of chuck	inch	6"	8"	8"
Spindle front end bearing(dia)	mm	80	100	100
Spindle bore(dia)	mm	50	62	62

C-axis indexing(incrementle unit)		—	—	—
Number of stations		8	8	8
Indexing time	s	0.58	0.58	0.58
Tool shank size	mm	25×25	25×25	25×25
Boring bar shank dia	mm	32	40	40
Tool speed	rpm	—	—	—
Main spindle motor	kw	7.5/11	9.0/11	9.0/11
X-axis servo motor	kw	1.2	1.6	1.6
Z-axis servo motor	kw	1.8	3	1.6
Tool driving motor	kw	—	—	—
Max travel of tailstock	mm	360/610/860	460	360/610
Tailstock quill dia	mm	80	80	80
Tailstock travel	mm	100	130	100
Tailstock quill taper hole		MT-4	MT-4	MT-4
Coolant capacity	L	120	200	120
Power	kw	20	25	25
Machine weight	kg	3500/4000	4500	4500/5000
Machine height	MM	1700	1650	1820
Floor space		2255/2705/3180×1460	2270×1470	2255/2710×1460
X-axis positioning accruacy R	MM	0.01	0.01	0.01
X-axis positioning accruacy B	MM	0.012	0.012	0.012
X-axis positioning accruacy A	MM	0.025	0.025	0.025
Z-axis positioning accruacy R	MM	0.007	0.007	0.007
Z-axis positioning accruacy B	MM	0.006	0.006	0.006
Z-axis positioning accruacy A	MM	0.016	0.016	0.016

**CNC system:FANUC SERIES OR SIEMENS SERIES MITSUBISHI SERIES**