

CNC-TAKANG

HEAVY DUTY CNC LATHES



**MANUFACTURER &
SOLUTION PROVIDER**





Mission Statement:

We are committed to creating a stable and secure living and working environment for our colleagues. Provide customers with reliable, professional and high-quality solutions. We also actively participate in environmental protection and fulfill our corporate responsibility of sustainable development.

Design:

We design product features tailored to customer needs, taking into account usability, added value, and development risks. High-quality machinery and equipment can not only stably produce high-quality products, but also effectively reduce waste, including the life of tools and machines, as well as energy consumption, thereby improving overall production efficiency and sustainability.

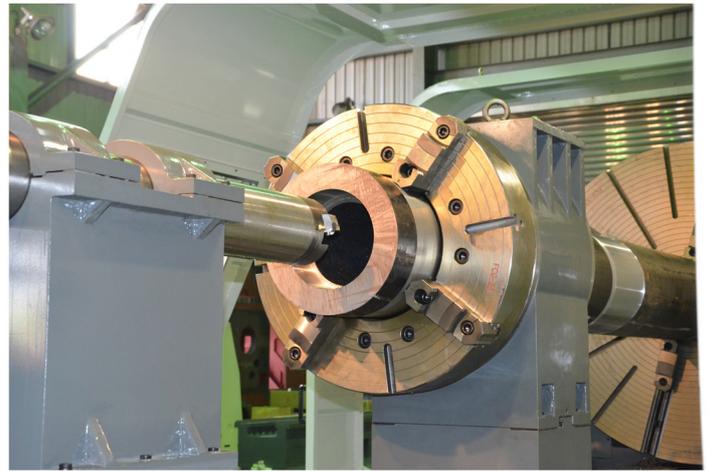
CSR:

We uphold the principle of "taking from society and giving back to society" and actively give back to society to the best of our ability, care for the disadvantaged groups and practice corporate social responsibility.



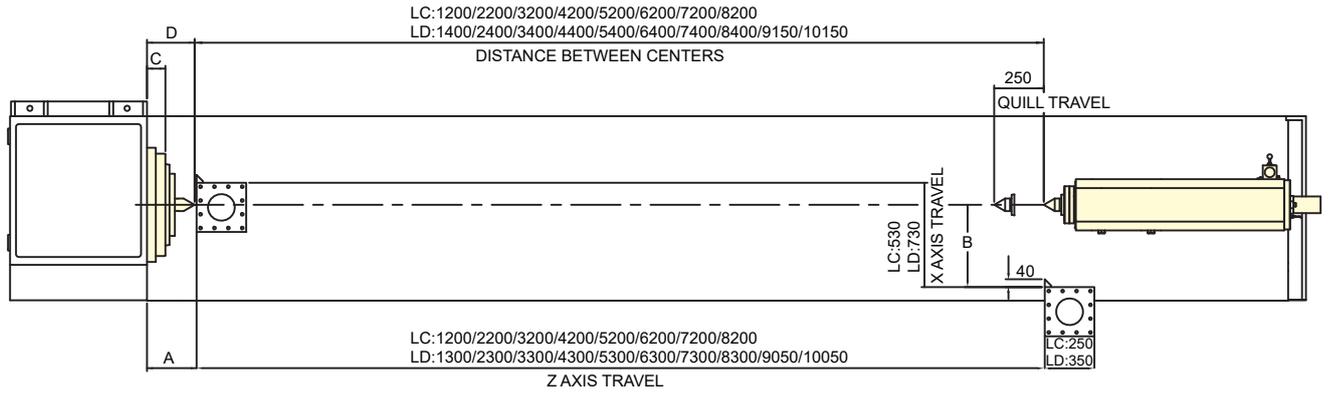
TD1002N





Durability and stability are ensured through a solid machine structure. The inspection standards that exceed ISO international standards demonstrate the extremely high requirements for quality.

LC / LD WORK RANGE Unit: mm



LC	C	D
6"	96	243
9"	87	228
12"	93	241

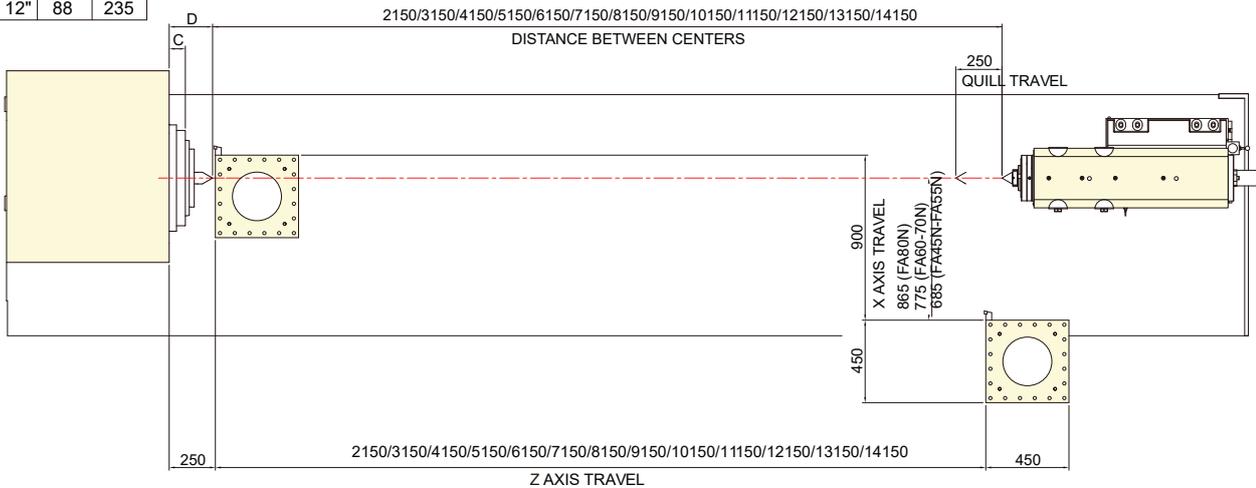
LD	C	D
6"	81	227
9"	82	222
12"	88	235

LC	A	B
30	250	518
45	170	518
40	170	540

LD	A	B
45	260	721
60		

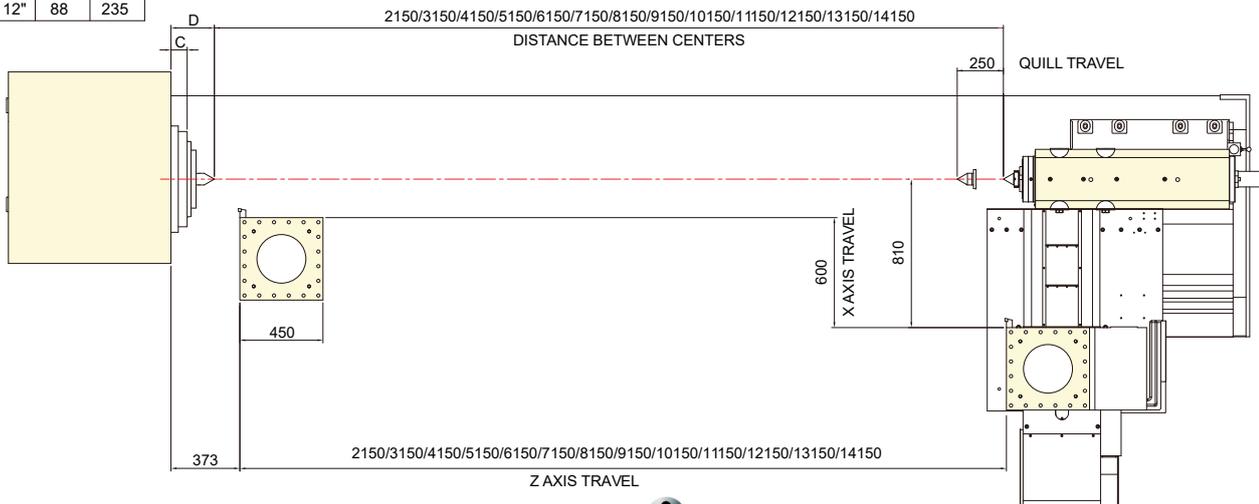
FA-N / H WORK RANGE (Full length cross slide) Unit: mm

	C	D
6"	81	225
9"	82	227
12"	88	235

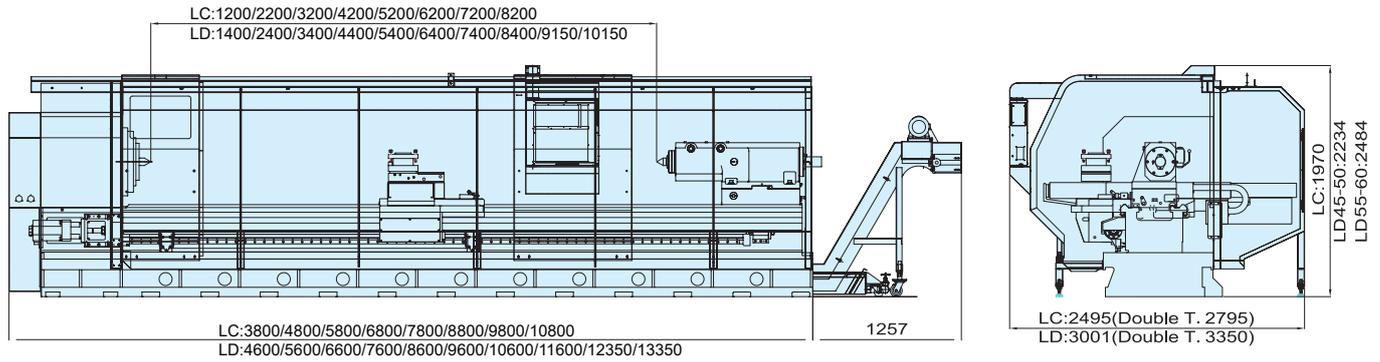


FA-N / H WORK RANGE (Half length cross slide) Unit: mm

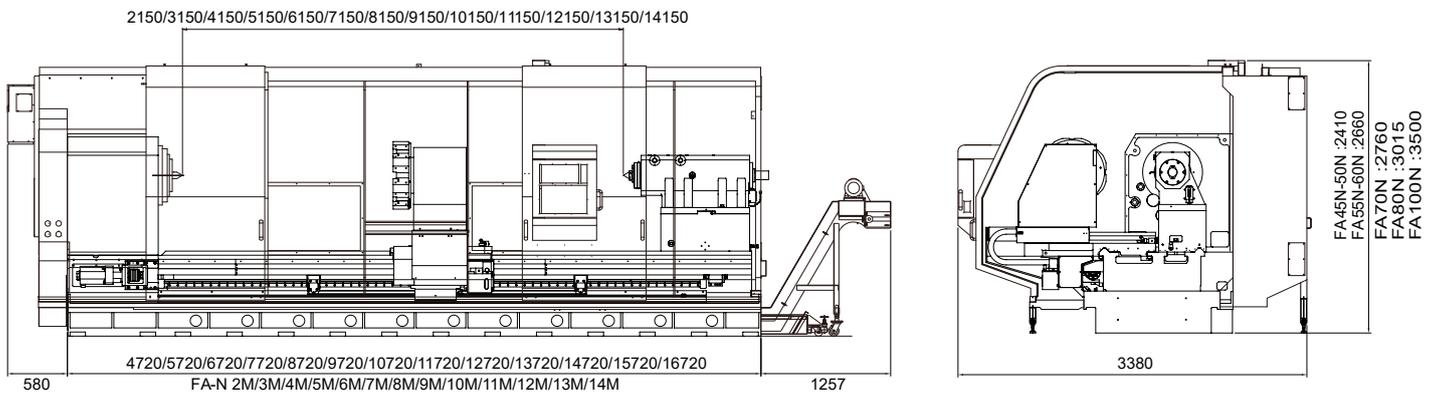
	C	D
6"	81	225
9"	82	227
12"	88	235



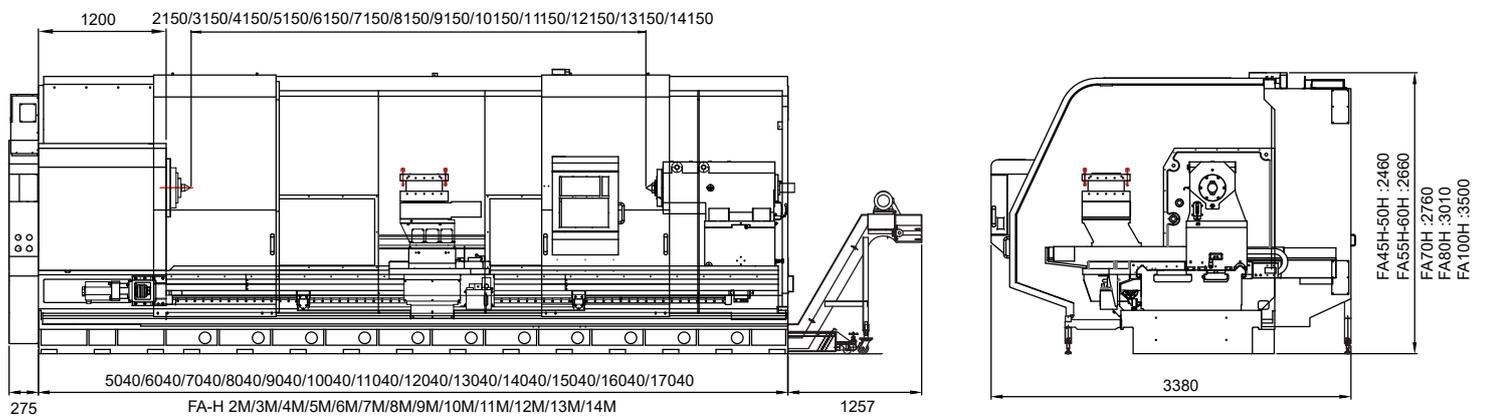
LC / LD DIMENSION Unit: mm



FA-N DIMENSION Unit: mm



FA-H DIMENSION Unit: mm



LC Series

SPECIFICATIONS

MODEL	DESCRIPTION	LC 30	LC 35	LC 40	LC 45	LC 50
Capacity	Swing over bed	770 mm (30")	895 mm (35")	1020 mm (40")	1145 mm (45")	1270 mm (50")
	Swing over cross slide	350 mm (13.8")	480 mm (18.9")	610 mm (24")	735 mm (28.9")	870 mm (34.2")
	Center height	390 mm (15.3")	455 mm (18")	520 mm (20.5")	585 mm (23")	650 mm (25.6")
	Distance between centers	1200 (47.2") / 2200 (66.6") / 3200 (126") / 4200 (165.4") / 5200 (204.7") / 6200 (244.1") / 7200 (283.5") / 8200 mm (322.8")				
	Bed width / Auxiliary guide	560 mm (22") / 710 mm (27.95")				
Spindle	Spindle speeds	Spindle nose				
		A2-11 (6")	11-600 rpm (Opt. 12-800 rpm)			
		A2-15 (9")	11-450 rpm (Opt. 12-600 rpm)			
		A2-20 (12", 14.5")	11-400 rpm (12")	11-400 rpm (12"), 11-300 rpm (14.5")		
		A2-28 (16")				
	A2-28 (21")					
	Spindle center	MT6				
	Width of cross slide	380 mm (15")				
Width of carriage	885 mm (34.8")					
Turret	Turret	H4-250 or V8 Hydraulic				
	Tool size	32 x 32 mm (1.25")				
	X axis travel	530 mm (20.9") / Opt. 630 mm (24.8)				
	Z axis travel	1200 mm (47.2") – 8200 mm (322.8")				
	X axis rapid travel	6M / min dia. 40 mm x P5				
	Z axis rapid travel	6M / min, 1M-5M (dia. 63 mm x P10), 6M-7M (dia. 80 mm x P10), 8M-10M (Rack and Pinion Driver)				
Tailstock	Tailstock quill diameter	Dia. 185 mm (7.3") Rotating quill, Opt. dia. 250 mm (9.8") / 350 mm (13.7")				
	Tailstock quill travel	250 mm (9.84"), Opt. 300 mm for tailstock quill diameter 350 mm				
	Tailstock center	MT6				
Motor	X axis servo motor	FANUC aiF22 4 kw				
	Z axis servo motor	1-3M FANUC aiF22 4 kw, 4-7M FANUC aiF22 4 kw (Gear box) 8-10M aiF40 6 kw (Rack and Pinion Driver)				
	Spindle motor	FANUC ai1 18 18.5 / 22 kw (Opt. 22 / 26 kw, 30 / 37 kw, 37 / 45 kw)				
	Lubricant pump motor	25 W				
	Coolant pump motor	0.845 kw				
	Hydraulic pump motor	2.25 kw				
Machine Weight	1000 mm center distance	10200 kgs	10600 kgs	11000 kgs	11400 kgs	11800 kgs
	Each extra 1000 mm weight	1200 kgs				

※ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES

1. Fanuc control and motors
2. 6" spindle bore
3. H4 or V8 hydraulic turret
4. Auto coolant, hydraulic and lubrication system
5. Box way on cross slide
6. Splash guard
7. Hydraulic tailstock with rotating quill
8. Chip conveyors
(auger for front and chain for rear)
9. Work light
10. Tool box with tools

■ OPTIONS

1. Extra spindle bore, motor and speeds
2. Spindle oil chiller
3. Hydraulic / manual chuck
4. Face plate
5. C axis or Spindle 5 / 15 degree indexing
6. Y axis
7. Driving tool turret
8. Steady rest, follow rest
(Hydraulic or Manual)
9. Special boring bar holder
10. Heavy duty milling attachment
11. Grinding head on turret
or cross slide
12. Tool presetter
13. Higher coolant pressure
14. Cutting pass through steady rest
equipment (LC only)
15. CE Mark
16. Transformer

LD Series

SPECIFICATIONS

MODEL	DESCRIPTION	LD 45	LD 50	LD 55	LD 60
Capacity	Swing over bed	1135 mm (45")	1265 mm (50")	1395 mm (55")	1520 mm (60")
	Swing over cross slide	720 mm (28.3")	850 mm (33.5")	980 mm (38.6")	1110 mm (43.7")
	Center height	585 mm (23")	650 mm (25.6")	715 mm (28.1")	780 mm (30.7")
	Distance between centers	1400 (55.12") / 2400 (94.5") / 3400 (132.8") / 4400 (173.23") / 5400 (212.6") / 6400 (252") / 7400 (291.34") / 8400 (330.7") / 9150 (360.24") / 10150 mm (399.6")			
	Bed width / Auxiliary guide	700 mm (27.56") / 850 mm (33.5")			
Spindle	Spindle speeds	Spindle nose			
		A2-11 (6")	9-600 rpm (Opt. 12-800 rpm)		
		A2-15 (9")	9-450 rpm (Opt. 12-600 rpm)		
		A2-20 (12", 14.5")	9-400 rpm (12"), 9-300 rpm (14.5")		
		A2-28 (16")	6-250 rpm		
		A2-28 (21")	6-220 rpm		
	Spindle center	MT6			
	Width of cross slide	420 mm (16.5")			
Width of carriage	950 mm (37.4")				
Turret	Turret	H4-350 or V8 Hydraulic			
	Tool size	32 x 32 mm (1.25")			
	X axis travel	730 mm (28.7")			
	Z axis travel	1-8M: 1300 mm (51.18") – 8300 mm (326.77") 9-10M: 9150 (360.24") – 10150mm (399.6")			
	X axis rapid travel	6M / min dia. 40 mm x P5			
	Z axis rapid travel	6M / min, 1M-5M (dia. 63 mm x P10), 6M-7M (dia. 80 mm x P10), 8M-10M (Rack and Pinion Driver)			
Tailstock	Tailstock quill diameter	Dia. 185 mm (7.3") Rotating quill, Opt. dia. 250 mm (9.8") / 350 mm (13.7")			
	Tailstock quill travel	250 mm (9.84"), Opt. 300 mm for tailstock quill diameter 350 mm			
	Tailstock center	MT6			
Motor	X axis servo motor	FANUC aiF22 4 kw			
	Z axis servo motor	1-3M FANUC aiF22 4 kw, 4-7M FANUC aiF22 4 kw (Gear box) 8-10M aiF40 6 kw (Rack and Pinion Driver)			
	Spindle motor	FANUC aiL 22 22 / 26 kw (Opt. 30 / 37 kw, 37 / 45 kw, 45 / 55 kw)			
	Lubricant pump motor	25 W			
	Coolant pump motor	0.845 kw			
	Hydraulic pump motor	2.25 kw			
Machine Weight	1000 mm center distance	16400 kgs	17000 kgs	17600 kgs	18200 kgs
	Each extra 1000 mm weight	1500 kgs			

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■ STANDARD ACCESSORIES

1. Fanuc control and motors
2. 6" spindle bore
3. H4 or V8 hydraulic turret
4. Auto coolant, hydraulic and lubrication system
5. Box way on cross slide
6. Splash guard
7. Hydraulic tailstock with rotating quill
8. Chip conveyors
(auger for front and chain for rear)
9. Work light
10. Tool box with tools

■ OPTIONS

1. Extra spindle bore, motor and speeds
2. Spindle oil chiller
3. Hydraulic / manual chuck
4. Face plate
5. C axis or Spindle 5 / 15 degree indexing
6. Y axis
7. Driving tool turret
8. Steady rest, follow rest
(Hydraulic or Manual)
9. Special boring bar holder
10. Heavy duty milling attachment
11. Grinding head on turret
or cross slide
12. Tool presetter
13. Higher coolant pressure
14. Cutting pass through steady rest
equipment (LC only)
15. CE Mark
16. Transformer

FA-N Series

SPECIFICATIONS

MODEL	DESCRIPTION	FA45N	FA50N	FA55N	FA60N	FA70N	FA80N	FA100N		
Capacity	Swing over bed	1170 mm (46")	1300 mm (51")	1430 mm (56")	1560 mm (61")	1800 mm (70")	2050 mm (80")	2550 mm (100.3")		
	Swing over cross slide (Half length)	845 mm (33.2")	965 mm (38")	1090 mm (42.9")	1215 mm (47.8")	1465 mm (57.6")	1715 mm (67.5")	2215 mm (87.2")		
	Swing over cross slide (Full length)	720 mm (28.3")	850 mm (33.5")	980 mm (38.6")	1110 mm (43.7")	1370 mm (53.9")	1630 mm (64.1")	2150 mm (84.6")		
	Center Height	585 mm (23")	650 mm (25.6")	715 mm (28.1")	780 mm (30.7")	910 mm (35.8")	1040 mm (40.9")	1250 mm (49.2")		
	Distance between centers	2150 - 14150 mm (84") - (557")								
	Bed width / Auxiliary guide	1020 mm (40") / 1170 mm (46")								
	Width of cross slide	420 mm (16.5")								
	Width of carriage	950 mm (37.4")								
Spindle	Spindle nose	A2-11 (6") / A2-15 (9") / A2-20 (12", 14") – FA45N - FA100N A2-28 (16") – FA55N - FA100N A2-28 (21") – FA60N - FA100N								
	Spindle speeds	A2-11 153 mm (6")	9-585 rpm (Opt. 12-800 rpm)							
		A2-15 230 mm (9")	9-450 rpm (Opt. 12-600 rpm)							
		A2-20 305 mm (12")	9-400 rpm							
		A2-20 369 mm (14")	9-300 rpm							
		A2-28 408 mm (16")	6-250 rpm							
	A2-28 534 mm (21")	6-220 rpm								
Spindle center	MT6									
Turret	Turret	H4-450 Servo or V8 Hydraulic								
	Tool size	32 x 32 mm (1.25")								
	X axis travel (Half length cross slide)	600 mm (23.6")								
	X axis travel (Full length cross slide)	900 mm (35.4")								
	Z axis travel	2150 mm (45.3") – 14150 mm (557")								
	X axis rapid travel	6M / min, dia. 40 mm x P5								
	Ball screw dia.	6M / min, 1-5M (dia. 63 mm x P10); 5M / min, 6-7M (dia. 80 mm x P10) 5M / min, 8-14M (Rack and Pinion Driver)								
	Z axis rapid travel	6M / min, 1-5M (dia. 63 mm x P10); 5M / min, 6-7M (dia. 80 mm x P10) 5M / min, 8-14M (Rack and Pinion Driver)								
Tailstock	Tailstock quill diameter	Dia. 250 mm (9.84") Opt. dia. 350 mm (13.7")								
	Tailstock quill travel	250 mm (9.84") / Opt. 300 mm (11.8")								
	Tailstock center	MT6								
Motor	X axis servo motor	FANUC aiF22 4kw								
	Z axis servo motor	2-3M FANUC aiF22 4 kw, 4-7M FANUC aiF22 4 kw (Gear Box) 8-14M FANUC aiF40 6 kw (Rack and Pinion Driver)								
	Spindle motor	FANUC aiI 30 30 / 37 kw (40 / 50 HP)								
	Lubricant pump motor	25 W								
	Coolant pump motor	1.2 kw								
	Hydraulic pump motor	2.25 kw								
Machine Weight	2000 mm center distance	17500 kgs	18000 kgs	18600 kgs	19200 kgs	20400 kgs	21600 kgs	25500 kgs		
	Each extra 1000 mm weight	1500 kgs								

※ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

■ STANDARD ACCESSORIES

1. Fanuc control and motors
2. 6" spindle bore
3. H4 or V8 hydraulic turret
4. Auto coolant, hydraulic and lubrication system
5. Box way on cross slide
6. Splash guard
7. Hydraulic tailstock with rotating quill
8. Front and rear chip conveyor
9. Work light
10. Tool box with tools

■ OPTIONS

1. Extra spindle bore, motor and speeds
2. Spindle oil chiller
3. Hydraulic / manual chuck
4. Face plate
5. C axis or Spindle 5 / 15 degree indexing
6. Y axis
7. Driving tool turret
8. Steady rest, follow rest (Hydraulic or Manual)
9. Special boring bar holder
10. Heavy duty milling attachment
11. Grinding head on turret or cross slide
12. Tool presetter
13. Higher coolant pressure
14. CE Mark
15. Transformer

FA-H Series

SPECIFICATIONS

MODEL	DESCRIPTION	FA45H	FA50H	FA55H	FA60H	FA70H	FA80H	FA100H
Capacity	Swing over bed	1170 mm (46")	1300 mm (51")	1430 mm (56")	1560 mm (61")	1800 mm (70")	2050 mm (80")	2550 mm (100.3")
	Swing over cross slide (Half length)	845 mm (33.2")	965 mm (38")	1090 mm (42.9")	1215 mm (47.8")	1465 mm (57.6")	1715 mm (67.5")	2215 mm (87.2")
	Swing over cross slide (Full length)	720 mm (28.3")	850 mm (33.5")	980 mm (38.6")	1110 mm (43.7")	1370 mm (53.9")	1630 mm (64.1")	2150 mm (84.6")
	Center Height	585 mm (23")	650 mm (25.6")	715 mm (28.1")	780 mm (30.7")	910 mm (35.8")	1040 mm (40.9")	1250 mm (49.2")
	Distance between centers	2150 – 14150 mm (84") - (557")						
	Bed width / Auxiliary guide	1020 mm (40") / 1170 mm (46")						
	Width of cross slide	420 mm (16.5")						
	Width of carriage	950 mm (37.4")						
Spindle	Spindle nose	A2-15						
	Spindle bore	Dia. 200 mm (8")						
	Spindle speeds	5-225 rpm						
	Spindle center	MT6						
Turret	Turret	H4-450 Servo or V8 Hydraulic						
	Tool size	32 × 32 mm (1.25")						
	X axis travel (Half length cross slide)	600 mm (23.6")						
	X axis travel (Full length cross slide)	900 mm (35.4")						
	Z axis travel	2150 mm (45.3") – 14150 mm (557")						
	X axis rapid travel Ball screw dia.	6M / min, dia. 40 mm x P5						
	Z axis rapid travel Ball screw dia.	6M / min, 1-5M (dia. 63 mm x P10); 5M / min, 6-7M (dia. 80 mm x P10) 5M / min, 8-14M (Rack and Pinion Driver)						
Tailstock	Tailstock quill diameter	350 mm (13.7")						
	Tailstock quill travel	300 mm (11.8")						
	Tailstock center	MT6						
Motor	X axis servo motor	FANUC αiF22 4 kw						
	Z axis servo motor	2-3M FANUC αiF22 4 kw, 4-7M FANUC αiF22 4 kw (Gear Box) 8-14M FANUC αiF40 6 kw (Rack and Pinion Driver)						
	Spindle motor	FANUC αil 40 37 / 45 kw (50 / 60 HP)						
	Lubricant pump motor	25 W						
	Coolant pump motor	1.2 kw						
	Hydraulic pump motor	2.25 kw						
Machine Weight	2000 mm center distance	18500 kgs	19000 kgs	19600 kgs	20200 kgs	21400 kgs	22600 kgs	26500 kgs
	Each extra 1000 mm weight	1500 kgs						

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■ STANDARD ACCESSORIES

1. Fanuc control and motors
2. 8" spindle bore
3. H4 or V8 hydraulic turret
4. Auto coolant, hydraulic and lubrication system
5. Box way on cross slide
6. Splash guard
7. Hydraulic tailstock with rotating quill
8. Front and rear chip conveyor
9. Work light
10. Tool box with tools

■ OPTIONS

1. Extra spindle bore, motor and speeds
2. Spindle oil chiller
3. Hydraulic / manual chuck
4. Face plate
5. C axis or Spindle 5 / 15 degree indexing
6. Y axis
7. Driving tool turret
8. Steady rest, follow rest (Hydraulic or Manual)
9. Special boring bar holder
10. Heavy duty milling attachment
11. Grinding head on turret or cross slide
12. Tool presetter
13. Higher coolant pressure
14. CE Mark
15. Transformer

FC Series / FCN Customized

Swing over bed: 2200 - 3500 mm

Swing over cross slide: 1800 - 3000 mm

Between centers: 5000 - 15000 mm



FC Series with single bed design / FCN Series with twin beds design.



Changeable machining unit

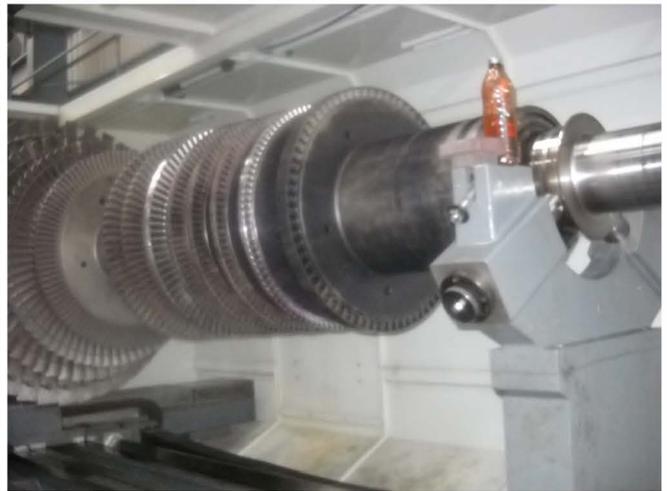


FC Series / FCN Customized



Heavy duty steady rest / Dia. 520mm tailstock

Item	Description	FC80	FC88	FC96	FC140
Capacity	Swing over bed	2000	2200	2440	3500
	Swing over saddle	1800	2000	2200	3000
	Chuck dimension	60" / 70" / 80" / 120" (Opt.)			
	Center height	1020	1120	1220	1750
	Distance between center	5000~15000 mm			
	Bed width	1750 mm			
spindle	Spindle bore	Dia. 230 mm			
	Speed	4 steps 0~300 rpm			
	Spindle nose	A2-20			
	Torque	52028 Nm			
Tool	Tool holder	32x32 (40x40)			
	X / Z axis travel	1060 mm / 7000 mm			
	Turret	4 stations			
	X axis rapid speed	5 M / min			
Tailstock	Z axis rapid speed	5 M / min			
	Quill diameter	Dia. 320 / 450 / 520 mm			
	Travel	120 mm			
Motor	Inner taper	MT6			
	X axis servo motor	FANUC α22i 4 kw			
	Z axis servo motor	FANUC α30i 7 kw			
	Spindle motor	45/55 kw			
	Hydraulic motor	3.5 kw			
	Grinding attachment	16" / 7.5HP (Opt.)			
Capacity	Y axis travel	±200 mm (Opt.)			
	Loading between center	25000 ~ 60000 kgs			



Loading capacity:

	LC Series	LD Series	FAN Series	FAH Series
Quill diameter (mm)	185 / 250	185 / 250 / 350	250 / 350	350 / 400
Headstock (kgs)	3000	3000	3000	5000
Between centers (kgs)	8000 / 12000	9000 / 13000 / 18000	15000 / 20000	25000 / 36000
Between centers & one steady rest (kgs)	10000 / 14000	10000 / 14000 / 19000	17000 / 22000	29000 / 40000

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