

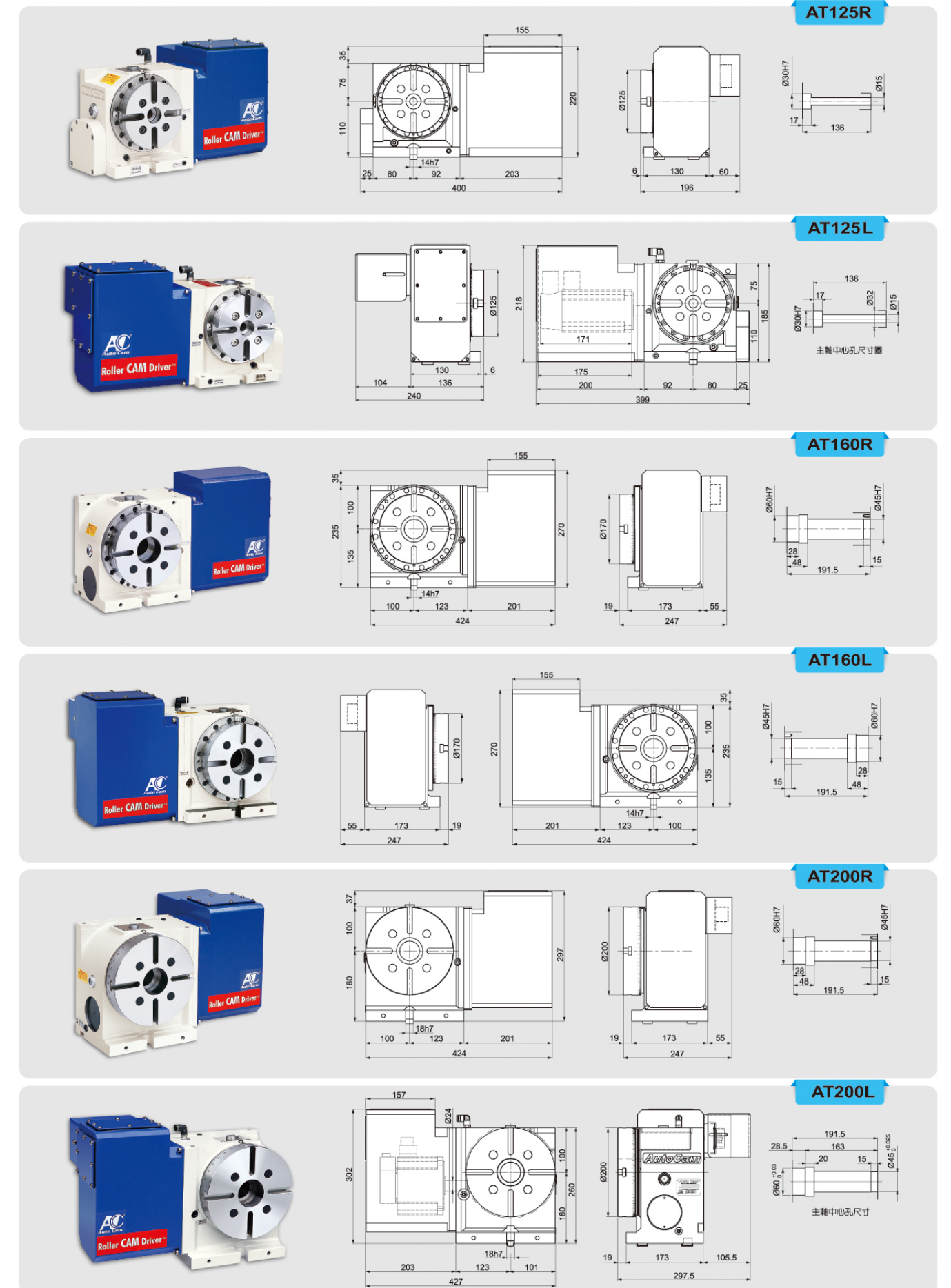
Non-Backlash CNC ROTARY TABLE

機械式樣表 Specification

機型 Code No.		AT125R AT125L	AT160R AT160L	AT200R AT200L
工作盤直徑 Table diameter	ø mm	125	170	200
中心高度 Center height	mm	110	135	160
中心孔徑/貫穿孔徑 Spindle hole	ø mm	30H7/15	60H7/45	60H7/45
盤面 T 型溝尺寸 T slot width	mm	12H7	12H7	12H7
基準定位鍵 Guide block width	mm	14h7	14h7	18h7
使用馬達 Motor	FANUC	α	α4iF	α4iF
	MITSUBISHI	β	β4is	β8is
	SIEMENS			
		HG75	HG54/HG104	HG104
		1FK7042/1FK2205	1FK7060/1FK7042/1FK2205	1FK7060/1FK2206
總減速比 Gear ratio		30	36	36
工作盤最高迴轉速 Max. rotation speed (註 Note)	rpm	100	83.3	83.3
最小設定單位 Min. increment		0.001°	0.001°	0.001°
R/G額定動定格 Basic dynamic load rating	kgf•m	17	26	26
鎖緊壓力 Clamp system (空 P: Pneumatic / 油 H: Hydraulic)	kg/cm²	(空 P) 5	(空 P) 5 (油 H) 20	(空 P) 5 (油 H) 20
	kg•m	8	13 40	13 40
鎖緊扭力 Output torque at brake	N•m	78	127 392	127 392
分割精度 Indexing accuracy	sec	40	20	20
重複精度 Repeatability	sec	4	4	4
製品質量 Weight	kg	32	55	65
容許承重 Allowable work weight	(有尾座時容許承重) (Allowable work weight with tailstock)			
	kg	25 (50)	100 (200)	100 (200)
當夾鎖時其容許負載 Allowable load (When table clamped)	kg	50	200	200
	kgf	600	800	800
	FxL Kgf-m	8	13 42	13 42
	FxL kgf-m	16	200	200
容許慣性 Allowable work inertia	kg-m²	0.1	1.5	1.5
不含制車時間 Cycle time	90°	sec	0.23	0.3
	180°	sec	0.38	0.48

註: 馬達轉速3000rpm Note: Motor speed 3000 rpm.

機械寸法圖 Outline dimensions





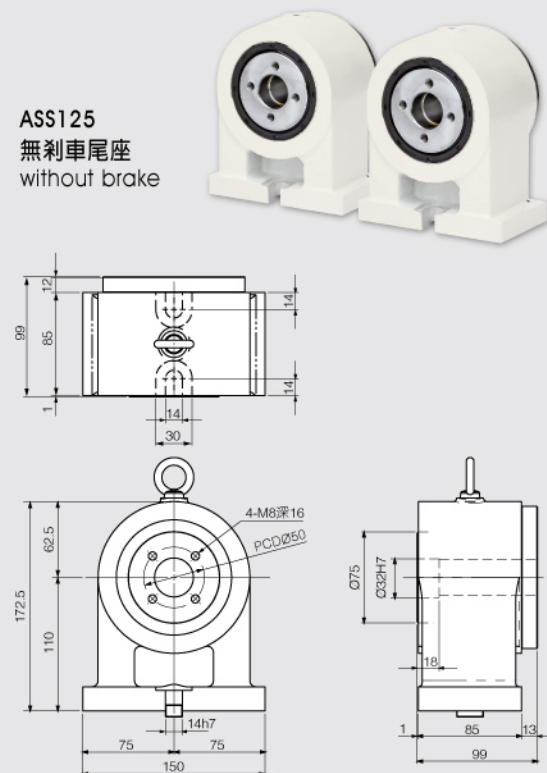
機型 Code No.			AT250R AT250L	AT250RS	AT250R2T	AT250B	AT250S-R AT250S-L
工作盤直徑 Table diameter ø mm			250	250	250	250	200
中心高度 Center height mm			160	160	160	160	230
中心孔徑/貫穿孔徑 Spindle hole ø mm			90H7/60	100H7/80	90H7/50	90H7	90H7
盤面 T 型溝尺寸 T slot width mm			12H7	12H7	12H7	12H7	12H7
基準定位鍵 Guide block width mm			18h7	18h7	18h7	18h7	18h7
使用馬達 Motor	FANUC	α	α8iF	α8iF	α8iF	α8iF	α12iF
		β	β8is	β8is	β8is	β8is	β12is
	MITSUBISHI		HG104/HG154	HG104/HG154	HG104/HG154	HG104/HG154	HG154S
SIEMENS			1FK7063/1FK2206	1FK7063/1FK2206	1FK7063/1FK2206	1FK7063/1FK2206	1FK7084/1FK2208
總減速比 Gear ratio			60	90	60	60	30
工作盤最高迴轉速 Max. rotation speed (註 Note) rpm			50	33.3	50	50	100
最小設定單位 Min. increment			0.001°	0.001°	0.001°	0.001°	0.001°
R/G額定動定格 Basic dynamic load rating kgf•m			58.4	58.4	58.4	58.4	58.4
鎖緊壓力 Clamp system kg/cm² (空 P: Pneumatic / 油 H: Hydraulic)			(油 H) 20	(油 H) 20	(油 H) 20	(油 H) 20	(油 H) 20
鎖緊扭力 Output torque at brake		kg•m	50	50	50	50	50
		N•m	490	490	980	490	490
分割精度 Indexing accuracy sec			20	20	20	20	20
重覆精度 Repeatability sec			4	4	4	4	4
製品質量 Weight kg			95	95	110	100	80
容許承重 Allowable work weight		(有尾座時容許承重) (Allowable work weight with tailstock) kg	150 (300)	150 (300)	150 (300)	150 (300)	80 (160)
		kg	300	300	300	300	250
當夾鎖時其 容許負載 Allowable load (When table clamped)		kgf	1400	1400	1400	1400	1400
		FxL Kgf•m	150	150	150	150	150
		FxL kgf•m	280	280	280	280	280
容許慣性 Allowable work inertia		kg•m²	2.5	3.5	2.5	2.5	1.25
不含剎車時間 Cycle time		90° sec	0.42	0.57	0.42	0.42	0.27
		180° sec	0.72	1.02	0.72	0.72	0.42

100%

ASS 系列 簡易型圓盤尾座 ASS-Series Faceplate Tailstock

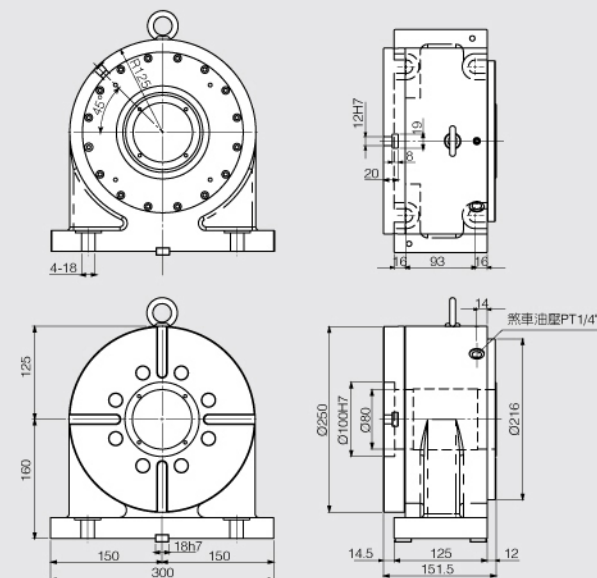
45

ASS125
無刹車尾座
without brake



ATT-250H 高剛性圓盤尾座 ATT-250H Faceplate Tailstock

機型 Model	ATT250H	機型 Model	ATT250H
工作盤直徑 Table diameter	mm 250	基準定位寬 Guide block width	mm 18h7
中心高 Center height	mm 160	鉗緊動力源 Clamp system	油壓 H
基準孔 Guide hole	mm 100H7	鉗緊壓力 Hydraulic pressure	kg/cm ² 20
貫穿孔 Spindle hole	mm Ø60	鉗緊出力 Output torque at brake	kg · m 60
T 型溝 T slot width	mm 12H7	製造質量 Weight	kg 55

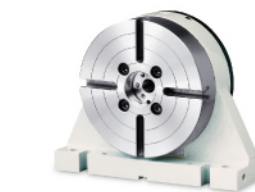
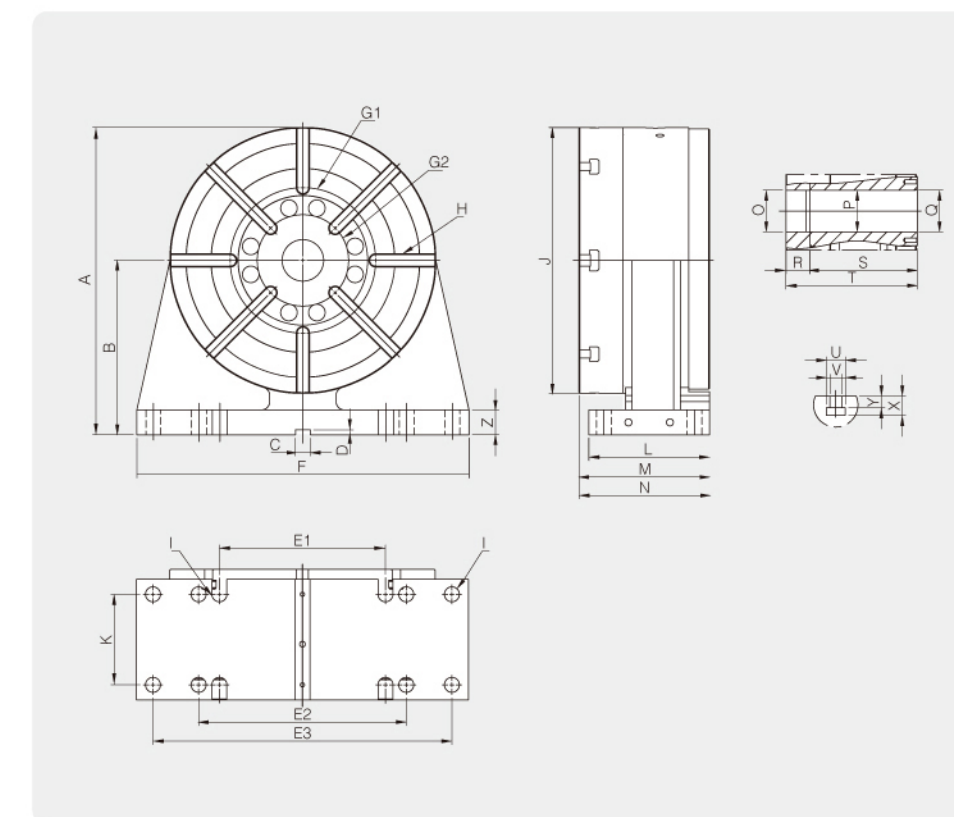


AST 系列 圓盤尾座 AST-Series Faceplate Tailstock

The AST faceplate tailstock can operate as attach to CNC rotary table of AT series, and its plate application assembly can reach to the effectiveness of making many moulds one time. It adopts overall pneumatic brake disc locking system or hydraulic clamping surrounding oil pressure embrace locking system. The integrate design ensures to save the working-hour and cost efficiently.

AST圓盤尾座可與AT系列CNC Rotary Table搭配使用，加上治具中板的應用組合，可達到一次作動多模數加工效果，採用氣壓鎖緊全面碟式刹車鎖緊方式，完整的搭配設計，有效確實節省加工工時及成本。

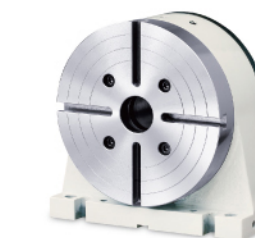
機械尺寸圖 Outline dimensions



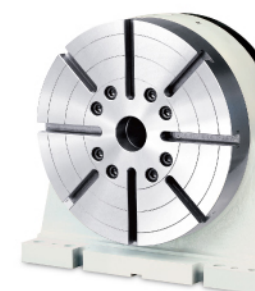
AST-160P/H



AST-200P/H



AST-250P/H

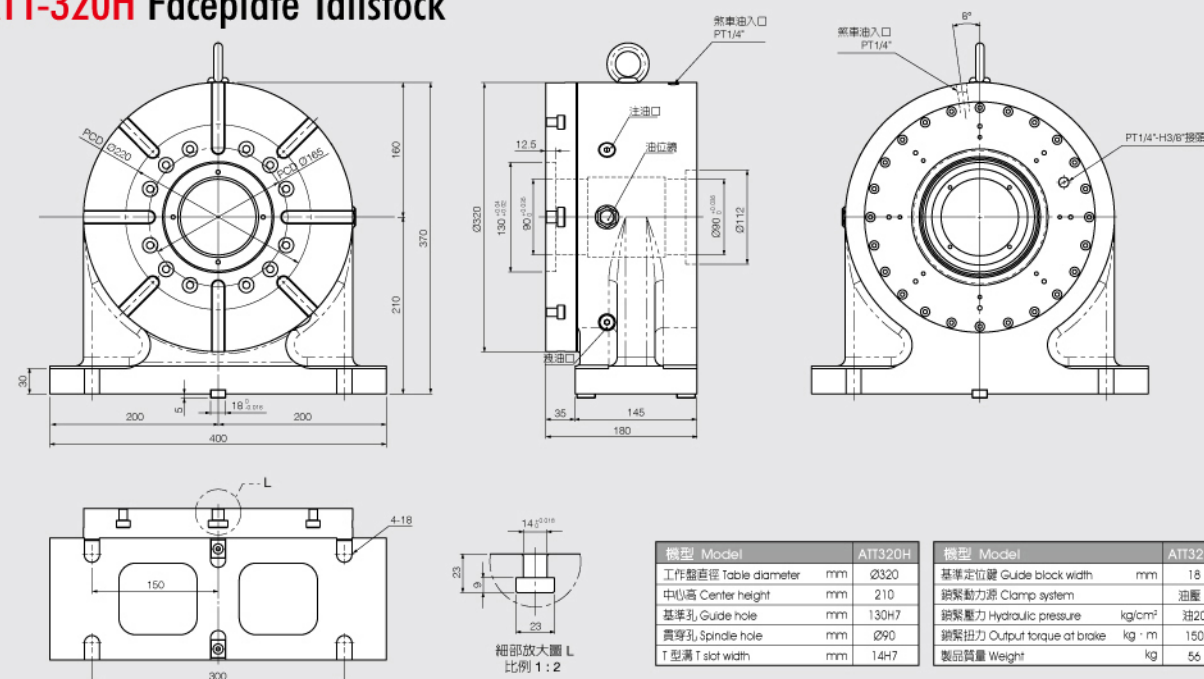


AST-320H

機型Model/尺寸Size	A	B	C	D	E1	E2	E3	F	G	H	I	J	K	L	M
AST-160P/H	235	135	14	6	200	250	-	300	Ø87	4	8-14	Ø200	64	96	101.3
AST-200P/H	260	160	18	6	200	250	-	300	Ø87	4	8-18	Ø200	64	96	101.3
AST-250P/H	285	160	18	6	200	250	-	300	Ø87	4	8-18	Ø250	93	125	139
AST-320H	370	210	18	6	200	250	360	400	Ø175	8	12-18	Ø320	109	145	157

機型Model/尺寸Size	N	O	P	Q	R	S	T	U	V	X	Y	Z	重量 kg 空壓 P / 油壓 H
AST-160P/H	102	Ø50	Ø20	Ø20	24	78	102	19	12	20	9	30	29 / 33
AST-200P/H	102	Ø50	Ø20	Ø20	24	78	102	19	12	20	9	30	31 / 35
AST-250P/H	142	Ø50	Ø52	Ø51.5	24	115	142	19	12	20	9	30	47.5 / 51.5
AST-320H	158	Ø50	Ø50.2	Ø50.2	29	129	158	23	14	23	14	30	106 / 110

ATT-320H 高剛性圓盤尾座 ATT-320H Faceplate Tailstock



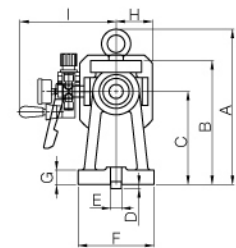
機型 Model	ATT320H	機型 Model	ATT320H
工作盤直徑 Table diameter	mm 320	基準定位寬 Guide block width	mm 18
中心高 Center height	mm 210	鉗緊動力源 Clamp system	油壓 H
基準孔 Guide hole	mm 130H7	鉗緊壓力 Hydraulic pressure	kg/cm ² 20
貫穿孔 Spindle hole	mm Ø90	鉗緊出力 Output torque at brake	kg · m 150
T 型溝 T slot width	mm 14H7	製造質量 Weight	kg 56

TAT 系列 氣壓/油壓頂針尾座 - 手動閥

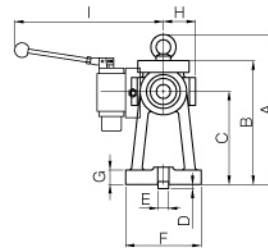
Pneumatic / Hydraulic Manual Tailstock - Manual Valve

TAT 頂針尾座，與AT系列CNC Rotary Table搭配使用，固定工件中心旋轉加工應用。

TAT Center tailstock can attach to CNC rotary table of AT series. The alternative choices are spindle with center type changeable center type for pivoting the work piece for swivel processing application.



手動閥氣壓



手動閥油壓

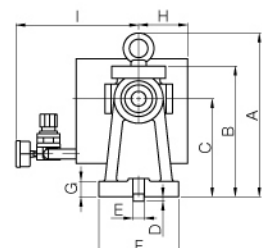
機型/規格尺寸 Specification / Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	莫氏椎度 Morse Taper	重量 Weight
TAT-110PC	187	144	110	7	14	100	20	48	142	50	57	37	135	230	2#	15 kg
TAT-135PC	214	171	135	7	14	100	20	48	142	50	67	47	135	230	2#	15 kg
TAT-160PC	267	224	160	7	18	130	30	53	145	100	64	49	230	379	3#	25 kg
TAT-135HC	211	168	135	7	14	100	20	48	247	30	67	47	135	210	2#	15 kg
TAT-160HC	267	224	160	7	18	130	30	53	191	100	64	49	230	366	3#	25 kg
TAT-210HC	317	274	210	7	18	146	30	53	256	100	64	49	230	366	3#	36 kg
TAT-255HC	381	338	255	7	18	200	35	65	238	100	84	94	285	455	4#	66 kg

TAT-A 系列 氣壓/油壓頂針尾座 - 電磁閥+檢出

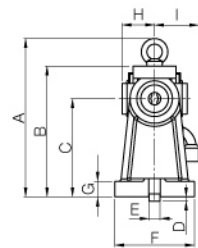
Pneumatic/Hydraulic Tailstock - Solenoid Valve + Sensor

TAT 頂針尾座，與AT系列CNC Rotary Table搭配使用，固定工件中心旋轉加工應用。

TAT Center tailstock can attach to CNC rotary table of AT series. The alternative choices are spindle with center type changeable center type for pivoting the work piece for swivel processing application.



電磁閥+檢出氣壓



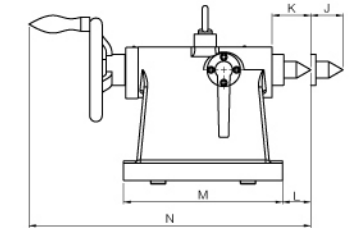
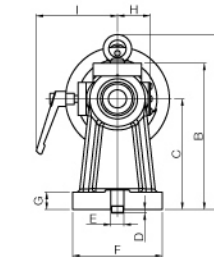
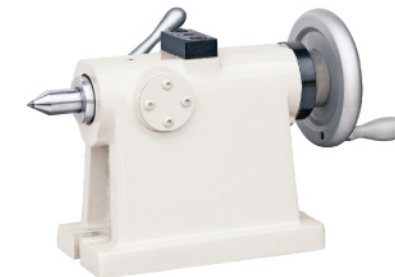
電磁閥+檢出油壓

機型/規格尺寸 Specification / Model	電磁閥 Solenoid Valve	檢出 Sensor	A	B	C	D	E	F	G	H	I	J	K	L	M	N	莫氏椎度 Morse Taper	重量 Weight
TAT-135PC-A	√	√	211	168	135	7	14	100	23	80	158	50	40	20	135	306	2#	15 kg
TAT-160PC-A	√	√	267	224	160	7	18	130	30	103	170	100	64	49	230	438	3#	26 kg
TAT-135HC-A	-	√	211	168	135	7	14	100	23	48	72	50	40	20	135	310.5	2#	15 kg
TAT-160HC-A	-	√	256	213	160	7	18	130	30	53	72	100	64	49	230	412.5	3#	25 kg
TAT-210HC-A	-	√	317	274	210	7	18	146	30	55	72	100	64	49	230	412.5	3#	36 kg

AMT 系列 手動頂針尾座 Manual Tailstock

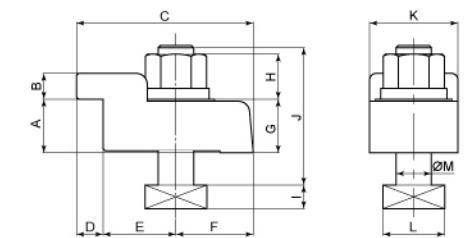
AMT手動頂針尾座，與AT系列CNC Rotary Table搭配使用，固定工件中心旋轉加工應用。

AMT Center tailstock can attach to CNC rotary table of AT series. The alternative choices are spindle with center type changeable center type for pivoting the work piece for swivel processing application.



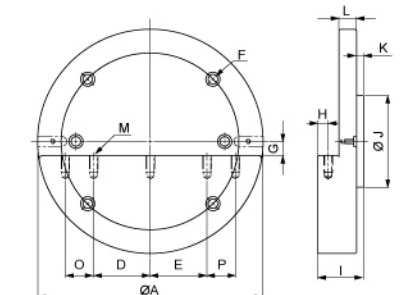
機型/規格尺寸 Specification / Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	莫氏椎度 Morse Taper	重量 Weight
AMT-110C	160	144	110	5	14	100	20	48	110.5	30	45	25	135	288	2#	15 kg
AMT-135C	185	170	135	5	14	100	20	48	110.5	30	45	25	135	288	2#	15 kg
AMT-160C	253	193	160	5	18	130	25	48	135.5	50	56	41	230	386	3#	25 kg
AMT-210C	283	240	210	5	18	146	25	48	135.5	50	56	41	230	386	3#	15 kg
AMT-255C	335	292	255	5	18	200	32	60	150.5	50	106	116	285	551	4#	25 kg

定位壓板 Position Blocks



適用機種 Code No.	數量/台	適合T溝尺寸	尺寸 Size												
			A	B	C	D	E	F	G	H	I	J	K	L	M
AT125	2	14	-	-	-	-	-	-	-	17	8	55	-	23	12
AT160	2	14	-	-	-	-	-	-	-	17	8	60	-	23	12
AT200	2	18	-	-	-	-	-	-	-	21	11	60	-	28	16
AT250	4	18	25	12	80	12	33	35	22	21	11	65	40	28	16
AT320	4	18	30	15	90	16	31	43	25	21	11	70	46	28	16

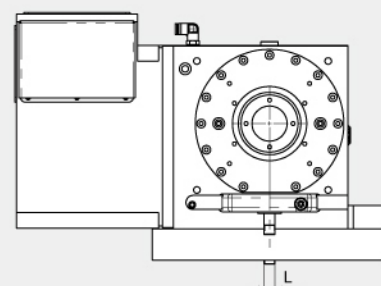
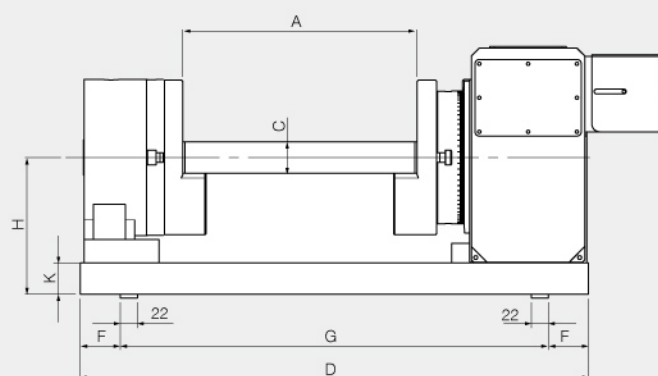
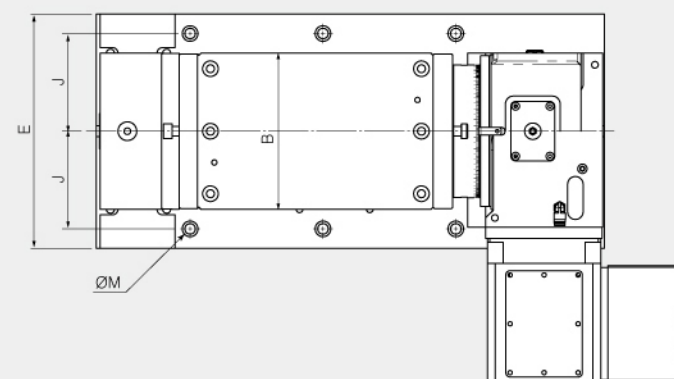
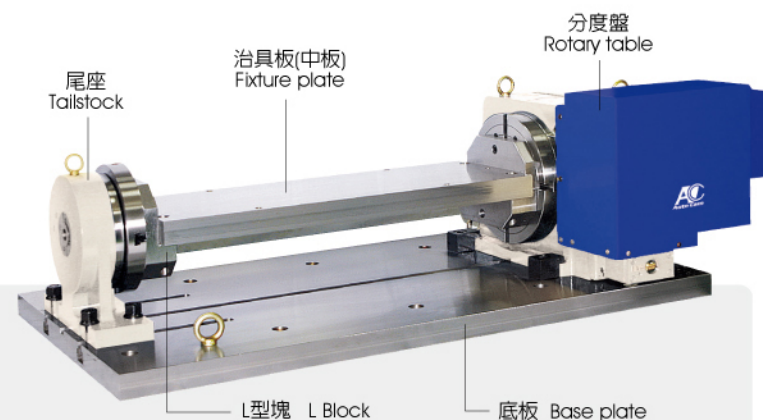
一體式L型塊 Block



機型 Model	A	D	E	F	G	H	I	J		K	L	M	O	P	Weight
								第四軸端	尾座端						
TL-125	Ø128	40	40	M10-PCDØ105	20	15	60	Ø30	Ø40	10	20	2-M12	-	-	3 kg
TL-160	Ø198	80	80	M10-PCDØ138	20	15	65	Ø60	Ø50	10	25	3-M12	-	-	9 kg
TL-200	Ø198	80	80	M10-PCDØ138	20	15	65	Ø60	Ø50	10	25	3-M12	-	-	9 kg
TL-250	Ø248	80	80	M10-PCDØ150	20	15	65	Ø90	Ø50	10	25	3-M12	-	-	14 kg
TL-320	Ø318	80	80	M12-PCDØ250	20	15	65	Ø130	Ø50	10	25	5-M12	40	40	23 kg

滾輪凸輪分度盤中底板選配件 Accessories for CNC Rotary Table

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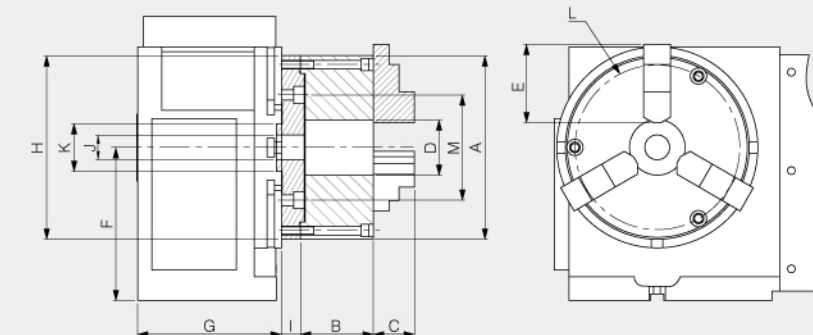
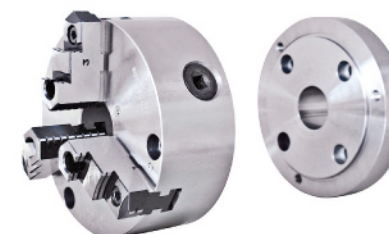
機械式樣表 Specification

機型 Code No.	AT125R	AT160R	AT200R	AT250R	AT320R
A	300	400	600	700	800
B	125	160	200	250	320
C	40	40	40	40	40
D	582	744	944	1082	1218
E	260	300	300	300	400
F	91	122	172	191	209
G	400	500	600	700	800
H	150	175	200	200	250
J	100	100	100	100	100
K	40	40	40	40	40
L	14	14	18	18	18

三爪連接板 3-Jaw Back Plate

※搭配強力型前鎖式三爪、油壓三爪來夾持圓型工件。

※Equipped with front mount scroll chuck or hydraulic 3-Jaw chuck for holding round material.



機械寸法圖 Outline dimensions

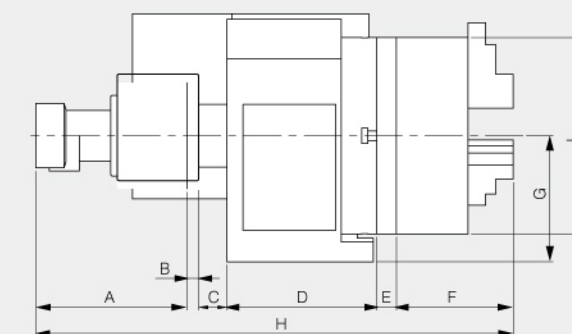
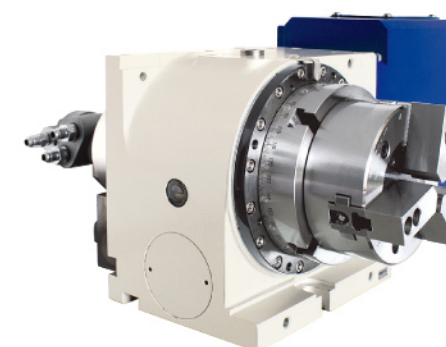
機型 Model	三爪尺寸 3 Jaw Size	A	B	C	D	E	F	G	H	I	J	K	L	M
TC-160	6"	167	66	39	45	68	135	193	167	25	30	60	147	100
TC-200	7"	193	76	43	58	82	160	193	193	25	30	60	172	130
TC-250	8"	203	76	43	58	82	160	190	203	25	30	90	176	165
TC-320	9"	233	84	50	70	93	210	210	233	30	30	130	210	220
TC-400	10"	273	86	50	89	93	255	250	-	-	-	150	250	-
TC-500	12"	310	96	56	105	118	320	300	-	-	-	200	285	-

三爪油壓夾頭搭配迴轉缸 3 Jaw Hydraulic Chuck with Cylinder

搭配油壓自動夾頭及腳踏開關或手動切換器，可縮短換料時間，增加產能，提昇加工效率。

Equipped with hydraulic chuck and foot switch or manual switch shorten loading and unloading time, increasing productivity and efficiency.

機械寸法圖 Outline dimensions



機型 Model	三爪尺寸 3 Jaw Size	A	B	C	D	E	F	G	H	I
TC-160	6"	192	15	36	193	25	118	135	536	169
TC-200	8"	192	15	36	193	25	129	160	547	210
TC-250	8"	192	15	36	190	25	129	160	593	210
TC-320	10"	202	15	40	210	30	143	210	650	254