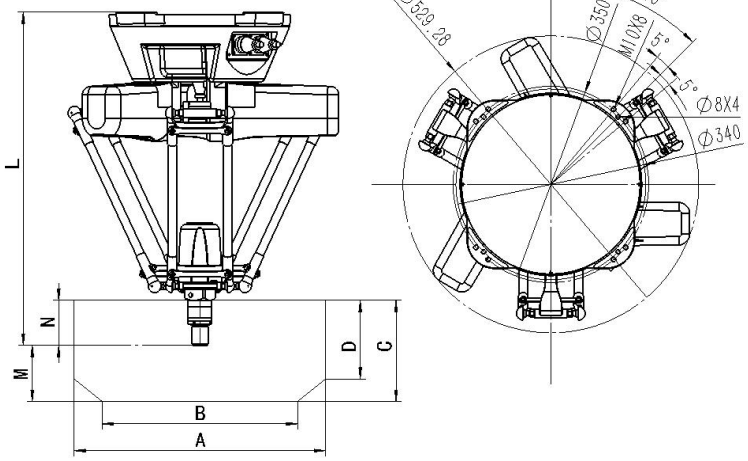
TROY Small Size Delta Robots

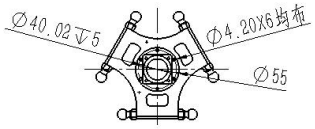
350 400 450



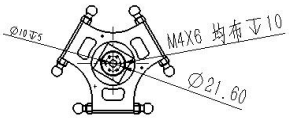
一、Delta Robot Dimensions

行程尺寸 安装尺寸 夹具安装尺寸





3轴夹具安装尺寸



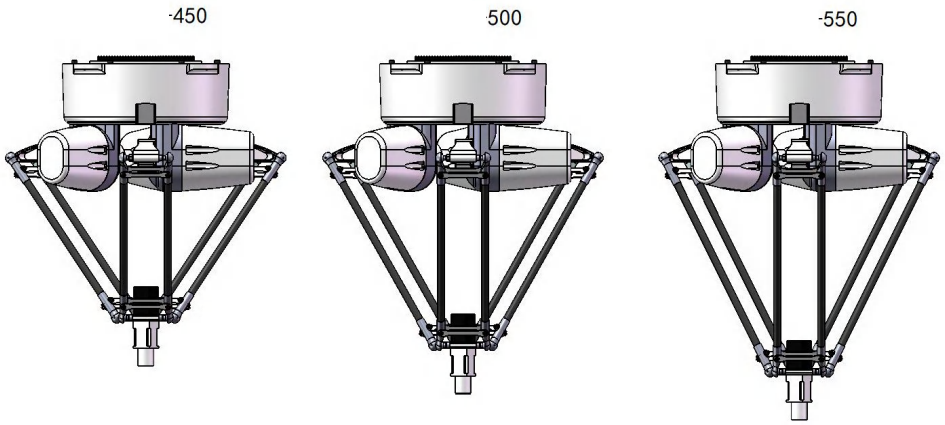
4轴夹具安装尺寸

二、Parameters

Name		TR350D	TR400D	TR450D
Axis		3 / 4 axis		
Rated load(KG)		1.5KG	1.5KG	1.5KG
Working Ranges	upper arm length	160	160	160
	lower arm length	350	400	450
	L	594	650	704
	M	72	86	99
	N	58	70	81
	A	350	400	450
	B	297	340	382
	C	130	156	180

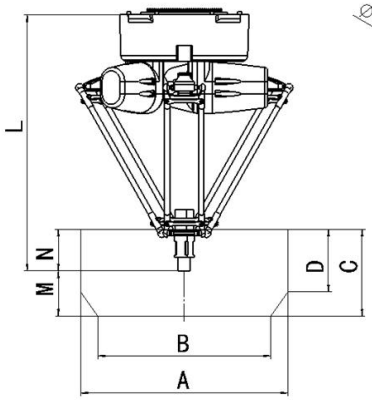
	D	91	109	126
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		0.5KG	1KG	1.5KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		1.2KW（3 axis）、1.25KW（4 axis） / 220V single phase		
Total Weight		18KG		
Adapter controller		OY-ECAT-05		

TROY Medium Size Delta Robots (1)

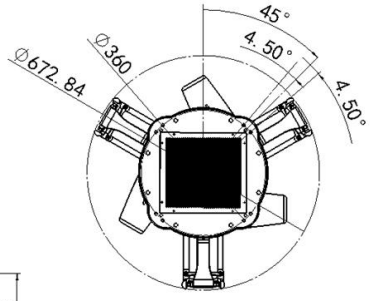


Delta Robot Dimensions

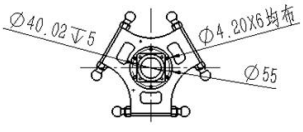
行程尺寸



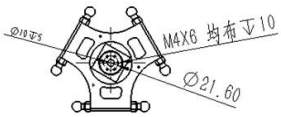
安装尺寸



夹具安装尺寸



3轴夹具安装尺寸

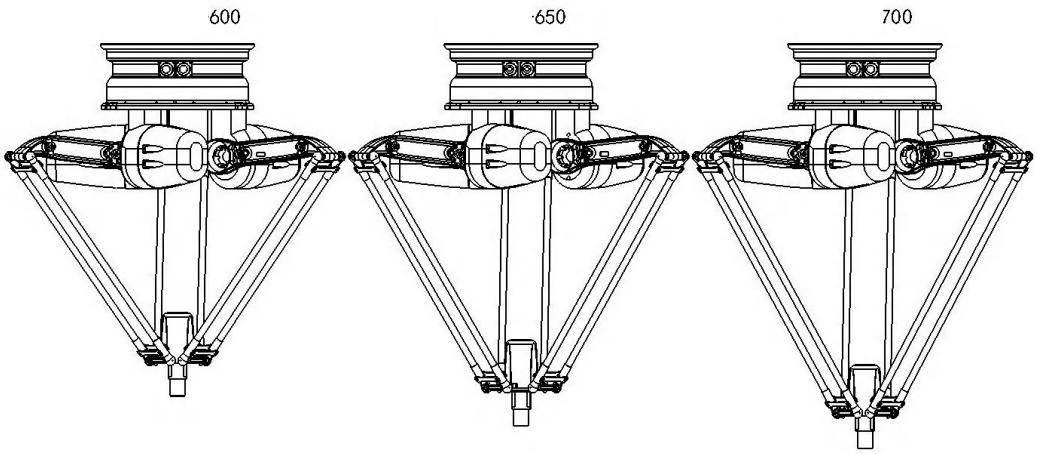


4轴夹具安装尺寸

Parameters

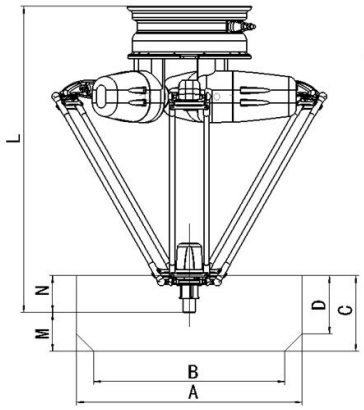
Name		TR450D	TR500D	TR550D
Axis		3 axis/ 4 axis		
Rated load(KG)		2KG	2KG	2KG
Working Ranges	upper arm length	216	216	216
	lower arm length	450	500	550
	L	674	735	794
	M	94	116	138
	N	76	94	112
	A	450	500	550
	B	382	425	467
	C	170	210	250
	D	110	147	175
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		0.5KG	1KG	2KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		1.2KW（3 axis）、1.25KW（4 axis） / 220V single phase		
Total Weight		23KG		
Adapter controller		OY-ECAT-05		

TROY Medium Size Delta Robots (2)

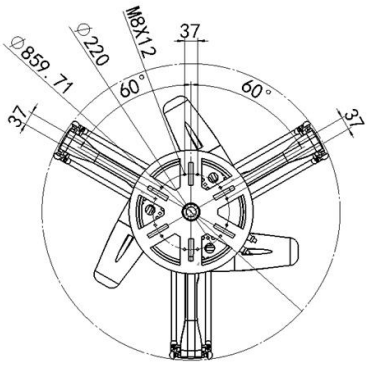


Delta Robot Dimensions:

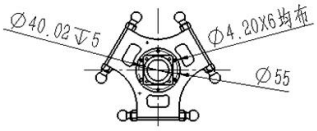
行程尺寸



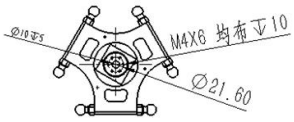
安装尺寸



夹具安装尺寸



3轴夹具安装尺寸

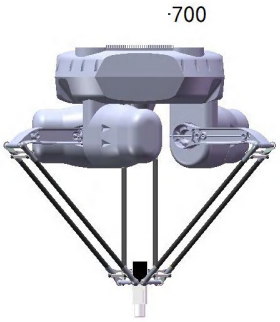


4轴夹具安装尺寸

Parameters:

Name		TR600D	TR650D	TR700D
Axis		3 axis/ 4 axis		
Rated load(KG)		2KG	2KG	2KG
Working Ranges	upper arm length	300	300	300
	lower arm length	600	650	700
	L	818	887	940
	M	115	124	134
	N	95	103	111
	A	600	650	700
	B	540	585	630
	C	210	227	245
	D	157	170	183
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		0.5KG	1KG	2KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		1.2KW（3 axis）、1.25KW（4 axis） / 220V single phase		
Total Weight		25KG		
Adapter controller		OY-ECAT-05		

TROY Large Size Delta Robots (1)

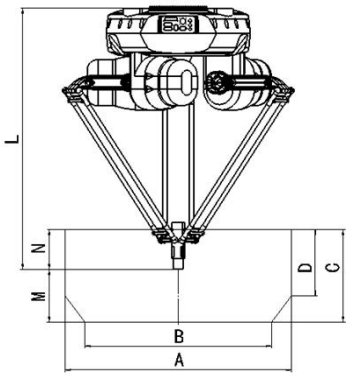




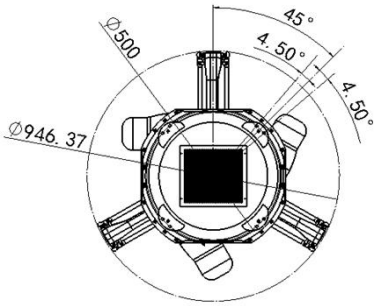


Delta Robot Dimensions:

行程尺寸



安装尺寸



夹具安装尺寸

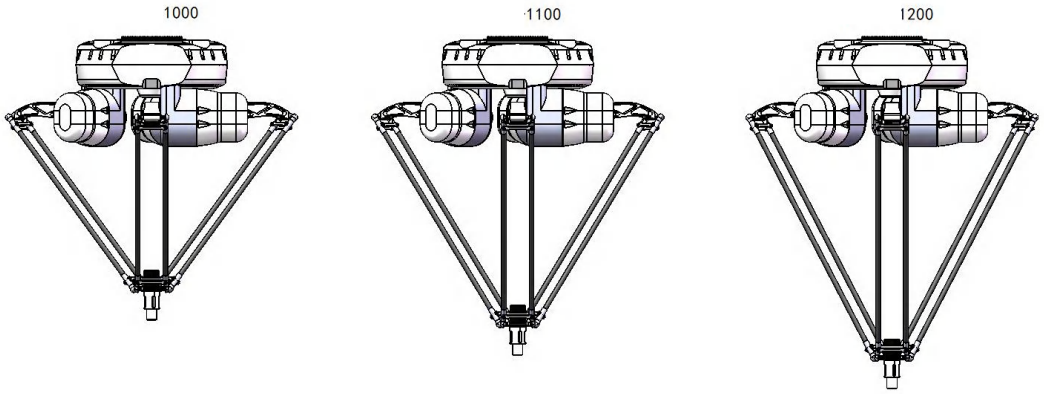


Parameters

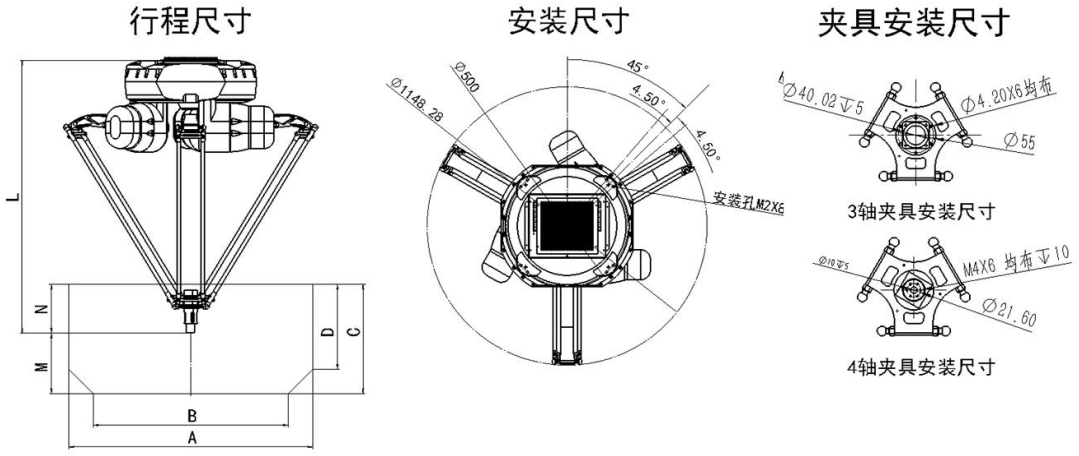
Name		TR700D	TR800D	TR900D
Axis		3 axis / 4 axis		
Rated load(KG)		3KG/5KG	3KG/5KG	3KG/5KG
Working Ranges	upper arm length	300	300	300
	lower arm length	700	800	900
	L	856	986	1103
	M	138	151	163
	N	112	123	132
	A	700	800	900
	B	630	720	810

	C	250	274	295
	D	175	191	206
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		1KG	2KG	3KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		2.25KW(3 axis)、2.3KW（4 axis） / 220V Single phase		
Total Weight		55KG		
Adapter controller		OY-ECAT-05		

TROY Large Size Delta Robots (2)



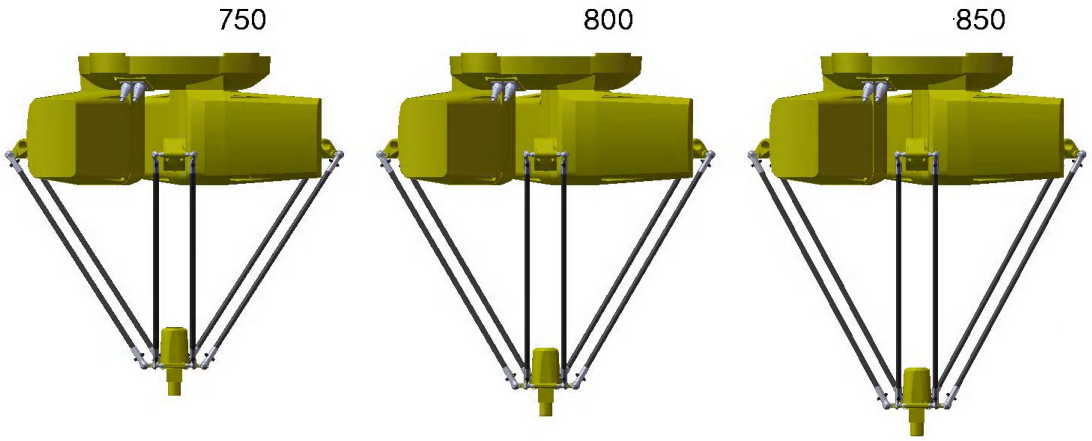
Delta Robot Dimensions:



Parameters:

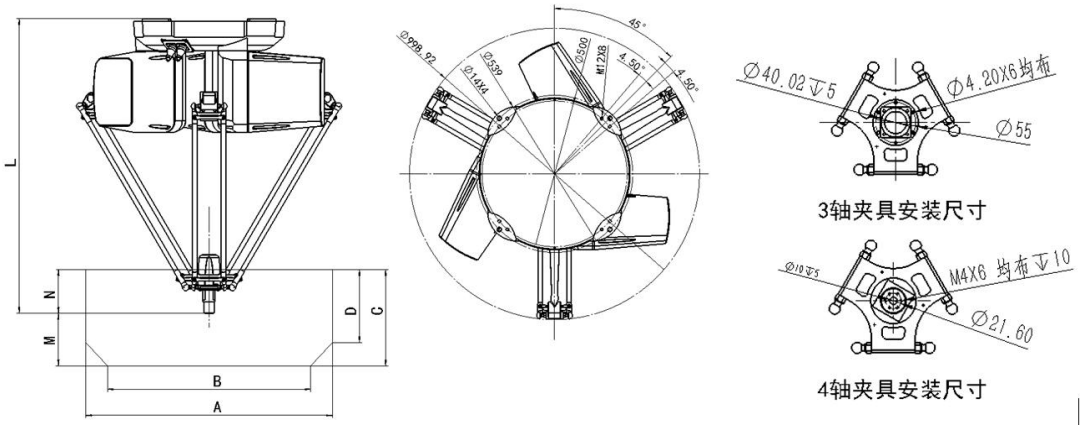
Name		TR1000D	TR1100D	TR1200D
Axis		3 axis/ 4 axis		
Rated load(KG)		3KG/5KG	3KG/5KG	3KG/5KG
Working Ranges	upper arm length	400	400	400
	lower arm length	800	900	1000
	L	998	1124	1243
	M	187	203	220
	N	153	167	180
	A	1000	1100	1200
	B	900	990	1080
	C	340	370	400
	D	272	296	320
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		1KG	2KG	3KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		2.25KW(3 axis)、2.3KW（4 axis） / 220V Single phase		
Total Weight		55KG		
Adapter controller		OY-ECAT-05		

TROY High Speed Delta Robots (1)



Delta Robot Dimensions:

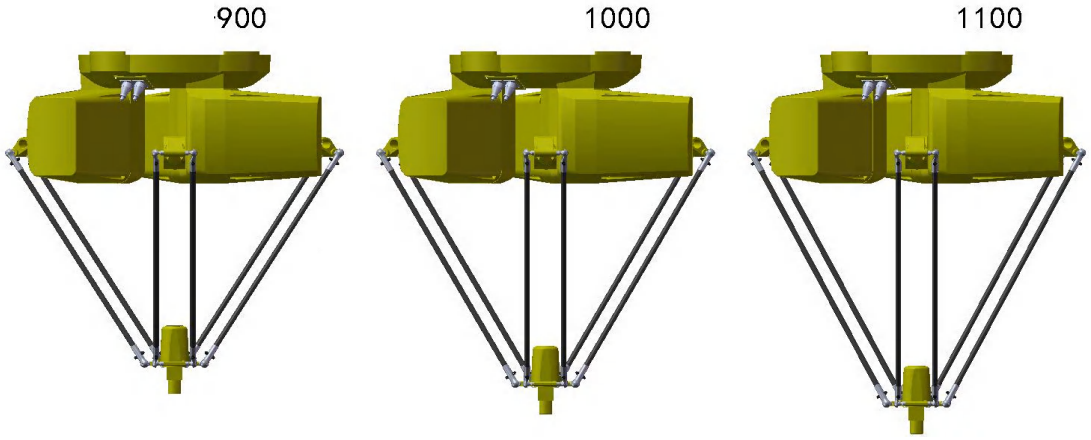
行程尺寸 安装尺寸 夹具安装尺寸



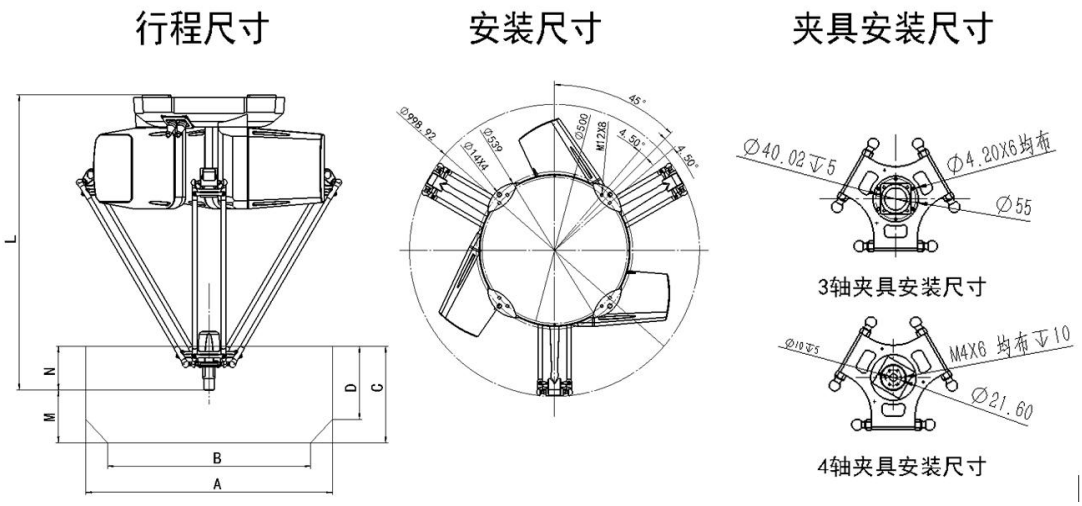
Parameters:

Name		TR750D-H	TR800D-H	TR850D-H
Axis		3 axis / 4 axis		
Rated load(KG)		3KG/5KG	3KG/5KG	3KG/5KG
Working Ranges	upper arm length	325	325	325
	lower arm length	750	800	850
	L	1010	1069	1127
	M	138	151	163
	N	112	123	132
	A	750	800	850
	B	675	720	765
	C	250	274	295
	D	175	191	206
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		1KG	2KG	3KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		4.5KW(3 axis)、4.55KW（4 axis） / 220V Single phase		
Total Weight		75KG		
Adapter controller		OY-ECAT-08		

TROY High Speed Delta Robots (2)



Delta Robot Dimensions:

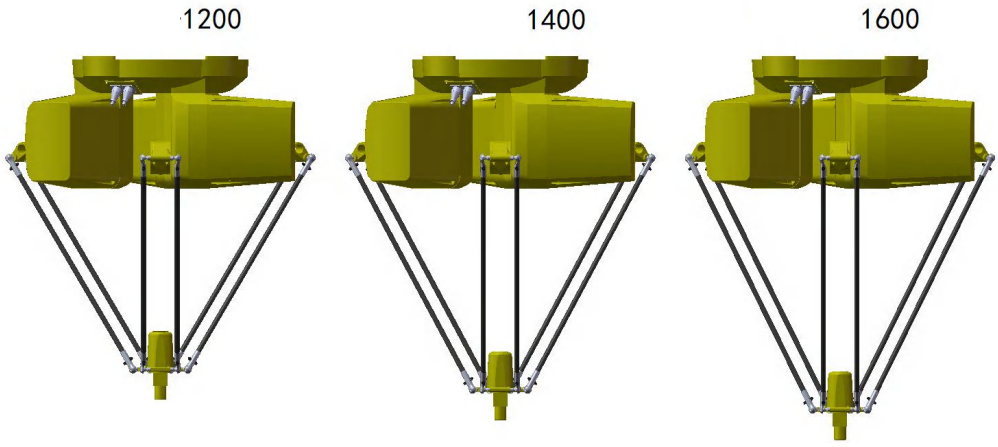


Parameters:

Name		TR900D-H	TR1000D-H	TR1100D-H
Axis		3 axis / 4 axis		
Rated load(KG)		3KG/5KG	3KG/5KG	3KG/5KG
Working	upper arm length	380	380	380
	lower arm length	900	950	1000

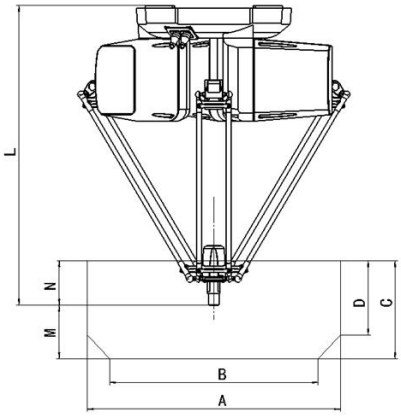
Ranges	L	1187	1246	1305
	M	138	151	163
	N	112	123	132
	A	900	1000	1100
	B	810	900	99
	C	250	274	295
	D	175	191	206
Repeatability		±0.1mm	±0.1mm	±0.1mm
drive motor type		Absolute Servo Motor		
Different payloads (KG)		1KG	2KG	3KG
Beat S (25/300/25)		Grab Beat Period 0.3 seconds	Grab Beat Period 0.4 seconds	Grab Beat Period 0.5 seconds
Total Power/Voltage		4.5KW(3 axis)、4.55KW（4 axis） / 220V Single phase		
Total Weight		75KG		
Adapter controller		OY-ECAT-08		

Large working ranges of Delta Robot

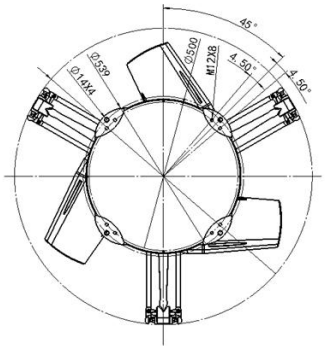


Specifications:

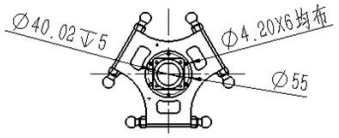
行程尺寸



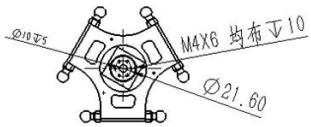
安装尺寸



夹具安装尺寸



3轴夹具安装尺寸



4轴夹具安装尺寸

Name/Model		TR1200D-4H	TR1400D-4H	TR1600D-4H
Free axis		3 axis / 4 axis		
Payload(KG)		3KG/15KG	3KG/15KG	3KG/15KG
Working Ranges	Upper Arm Length	500	600	7001
	Lower Arm Length	1000	1100	1200
	L	1212	1340	1348
	M	236	255	275
	N	204	210	225
	A	1200	1400	1600
	B	1080	1260	1440
	C	430	465	500
	D	365	395	425
Heavy load positioning accuracy		±0.1mm	±0.1mm	±0.1mm
Drive motor type		Absolutely encoder servos		
Different load (KG)		1KG 负载	2KG	3KG
Beat S (25/300/25)		Standard cycle time 0.22s	Standard cycle time 0.31s	Standard cycle time 0.4s
Total power/voltage		4.5KW(3 axis)、4.55KW（4 axis） / 220V single phase		
Complete weight		75KG		
Applicable controller		OY-ECAT-08		