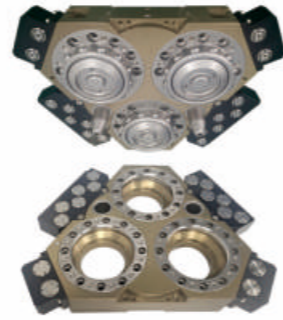


# Model: LTC-1300A

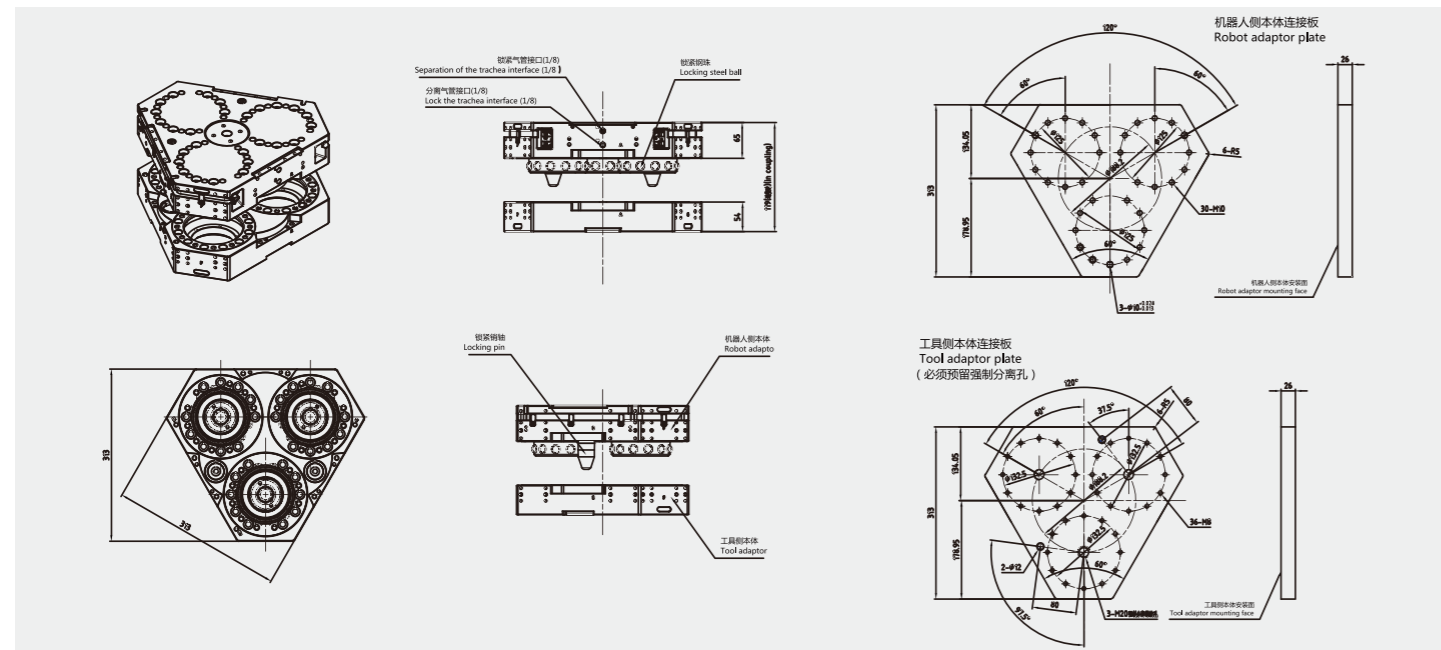
- ▶ Recommended payload ≤ 1300kg
- ▶ Locking force: 106263N Allowable static moment: 6830N·m Allowable static torque: 6920N·m
- ▶ 6 available module interfaces
- ▶ Suitable for handling, palletizing, welding, polishing, deburring
- ▶ Air pressure lost self locking function, the master plate and tool plate won't be separated even the air pressure in master plate lost accidentally.
- ▶ Master plate with locking/unlocking sensor and tool-in-position sensor



## Specifications

Model	Master plate	LTC-1300AM	Item No.	Master plate item No.	0151
	Tool plate	LTC-1300AT		Tool plate item No.	0153
Load	Payload capacity	1300kg	Material	Main body	Aluminum alloy
	Locking force	106263N		Locking mechanism	Alloy steel
	Allowable static bending moment	6830N·m	Locking mechanism	Locking steel ball	
	Allowable static torque	6920N·m		Work environment	Temperature
Size and precision	Dimension	triangle 313mm	Humidity	0-95%	
	Combined thickness	119mm		Weight	Master side
	Position repeatability	±0.02mm	Tool side		9.5kg
Air pressure for working		0.4~0.7Mpa			

## Dimensions



## Adapter module

Type	Photo	Model	Item No.	Description	Interface No.	
Sensor		PNP	LMO-PS-1300	1525	Locking/Unlocking sensor	A
		NPN	LMO-NS-01	1552		
Signal module		Master side	LMO-C22-MS20-AF03-M	0740	5A x 20pins Tool-ID identify Safety docking Integrated solenoid valve	A
		Tool side	LMO-C22-MS20-AF03-T	0741		
		Master side	LMO-C21-MS15-AF01-M	0713	5A x 15pins Tool-ID identify	A
		Tool side	LMO-C21-MS15-AF01-T	0714		
		Master side	LMO-C21-MS22-AF01-M	0717	5A x 22pins Tool-ID identify	A
		Tool side	LMO-C21-MS22-AF01-T	0718		
	Master side	LMO-C21-S34-AF01-M	0711	3A x 34pins Tool-ID identify	A	
	Tool side	LMO-C21-S34-AF01-T	0712			
High Electrical power module		Master side	LMO-E03KM	1009	3 core 150A cold-press terminal	B, C
		Tool side	LMO-E03KT	1010		
		Master side	LMO-E03FM	0385	3 core 150A with high currency connector	B, C
		Tool side	LMO-E03FT	0386		
		Master side	LMO-E03QM	1088	3 core 400A cold-press terminal	B, C
		Tool side	LMO-E03QT	1089		
	Master side	LMO-E01BM	0688	1 core 150A cold-press terminal	B, C	
	Tool side	LMO-E01BT	0689			
Servo module		Master side	LMO-C31-SM03C-M	0886	Single servo module	B, C
		Tool side	LMO-C31-SM03C-T	0887		
Servo module		Master side	LMO-C41-SM03C-SM03C-M	0752	Dual servo module	B, C
		Tool side	LMO-C41-SM03C-SM03C-T	0753		
Servo spot welding module		Master side	LMO-C33-SM04C-MS14-M	1301	Fanuc Servo module	B, C
		Tool side	LMO-C33-SM04C-MS14-T	1302		
Servo spot welding module		Master side	LMO-C33-SM01C-MS10-M	1307	ABB Servo module	B, C
		Tool side	LMO-C33-SM01C-MS10-T	1308		
Servo spot welding module		Master side	LMO-C33-SM02C-MS14-M	1303	KUKA Servo module	B, C
		Tool side	LMO-C33-SM02C-MS14-T	1304		
Servo spot welding module		Master side	LMO-C33-SM03C-MS09-M	1305	Yaskawa Servo module	B, C
		Tool side	LMO-C33-SM03C-MS09-T	1306		
Air&fluid module		Master side	LMO-L04A-04-M	0430	4 x PT1/2 Self-sealing air port or water path	B, C
		Tool side	LMO-L04A-04-T	0434		
Air&fluid module		Master side	LMO-L05A-05-M	0439	5 x PT1/2 Self-sealing air port or water path	B, C
		Tool side	LMO-L05A-05-T	0444		
Air&fluid module		Master side	LMO-GC11AM	1223	11 x 1/4 Open air port	B, C
		Tool side	LMO-GC11AT	1222		
Air&fluid module		Master side	LMO-GS02BM	1216	2 x PT3/8 Self-sealing air port	B, C
		Tool side	LMO-GS02BT	1217		
Air&fluid module		Master side	LMO-GS04AM	1220	4 x PT3/8 Self-sealing air port	B, C
		Tool side	LMO-GS04AT	1221		
Air&fluid module		Master side	LMO-GS06AM	1226	6 x 3/8 Self-sealing air port	B, C
		Tool side	LMO-GS06AT	1227		
Hydraulic module		Master side	LMO-YL04CM	1264	1-in 1-out 2channels G1/2	B, C
		Tool side	LMO-YL04CT	1265		
Vacuum module		Master side	LMO-GZK020AM	1238	1channel with size 2inch	A, B, C
		Tool side	LMO-GZK020AT	1239		
Safety docking components		Tool side	LMO-DS01-A	0880	Safety docking components	A