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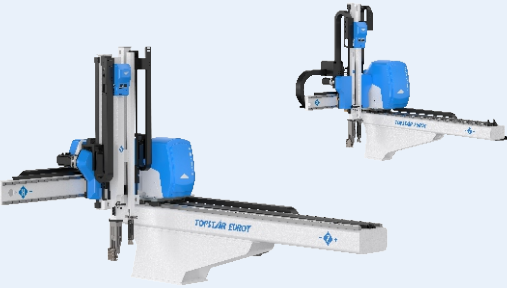
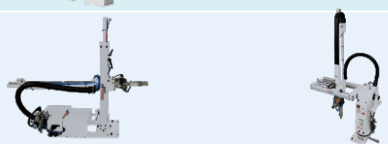
TSDSC2025-C

INJECTION ROBOT PRODUCT SERIES



www.topstarltd.com

Robot arm selection table

Model	Product images		Mold Clamping Force (Ton)																					
			30	50	60	80	100	120	160	200	250	300	350	450	550	650	800	1000	1300	1600	2000	2500	3000	4000
EU-50s		vertical stroke	600 mm																					
EU-80s							800/900 mm																	
EUW-80s							900/1000 mm																	
EU-120s													1200 mm											
EUW-120s													1200/1400 mm											
MDE-50s V		vertical stroke	600 mm																					
MDE-80s V							800/900 mm																	
MEWE-80s V							900 mm																	
MEWE-100s V												1000/1200 mm												
MDE-120s V													1200 mm											
MEWE-120s V													1400 mm											
MDWE-110s													1100/1500/1700 mm											
MEW-170s																		1700/2000 mm						
MBWE-130														1300/1500 mm										
MBWE-170																		1700/2000 mm						
MBWE-200																			2000/2500/3000 mm					
TMDE-80s		vertical stroke					800/900 mm																	
TMEWE-80s							900/1000mm																	
TMDE-120s													1200 mm											
TMEWE-120s													1200mm/1400mm											
HD-80II		vertical stroke					900 mm																	
HDW-80							900 mm																	
X-650V		Side entry stroke	650 mm																					
L-650V			650 mm																					

EU-50
EU-50s

Injection Press Range
30-100 ton

YASKAWA

Servo motor: Yaskawa

SHIMPO

Reducer: Shimpo



Guide rail: THK



Synchronous belt: ELATECH

TAIYO

Cable: TAIYO



High precision

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

High speed

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20%; payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

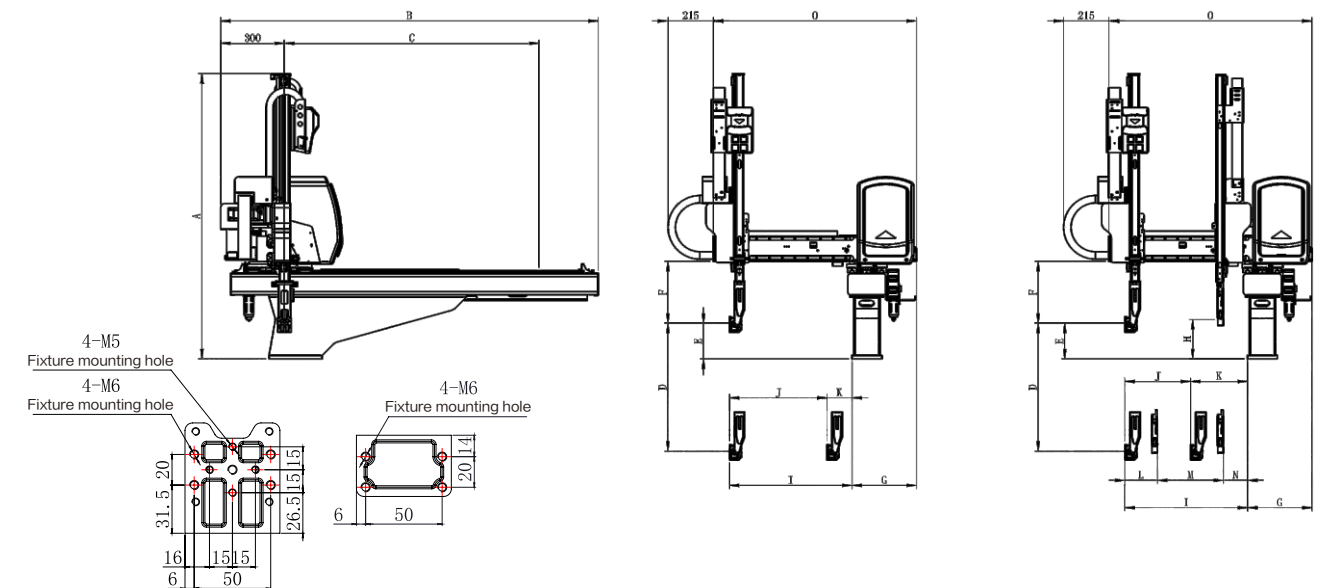
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
EU-50-60-57-12TR	AC220 ±10% 50/60HZ	1.3	0.5-0.7	2.9	AC Servo Motor	90°	5	0.05	1.1	5.3	13.2	110-130
EU-50s-60-57-12TR		2.1	0.5-0.7	2.9			5	0.05	1.1	5.3	13.2	120-140

Outer dimensions



Unit: mm		Model	EU-50-60	
			EU-50-60-57-12TR	EU-50s-60-57-12TR
A	Total height		1350	1350
B	Total length		1750	1750
C	Traverse stroke		1200	1200
D	Main arm vertical stroke		600	600
E	Main arm standby height		150	150
F	Effective space for jig mounting		285	285
G	Base internal side to end of the box		255	255
H	Sub-arm vertical standby		–	195
I	Main arm max. fwd. movement		580	580
J	Main arm max. crosswise stroke		460	310
K	Main arm min. crosswise standby		120	270
L	Min. space between main arm and sub-arm		–	145
M	Sub-arm max. crosswise stroke		–	310
N	Sub-arm min. crosswise standby		–	150
O	Crosswise end to box end		1095	1095
P	Min. height of arm after descending		910	910
Q	Jig mounting dimension	Moveable platen	20x50, 4xM6 / 30x30, 4xM5	
		Fixed platen	20x50, 4xM6	

Note: Same dimensions for positive and negative operation models

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
EU-50-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-50s-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

EU-80
EU-80s

Injection Press Range
100–300 ton

YASKAWA

Servo motor: Yaskawa

SHIMPO

Reducer: Shimpo

THK

Guide rail: THK

Elatech
Technology in Motion.

Synchronous belt: ELATECH

TAIYO

Cable: TAIYO



High precision

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

High speed

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
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High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
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High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

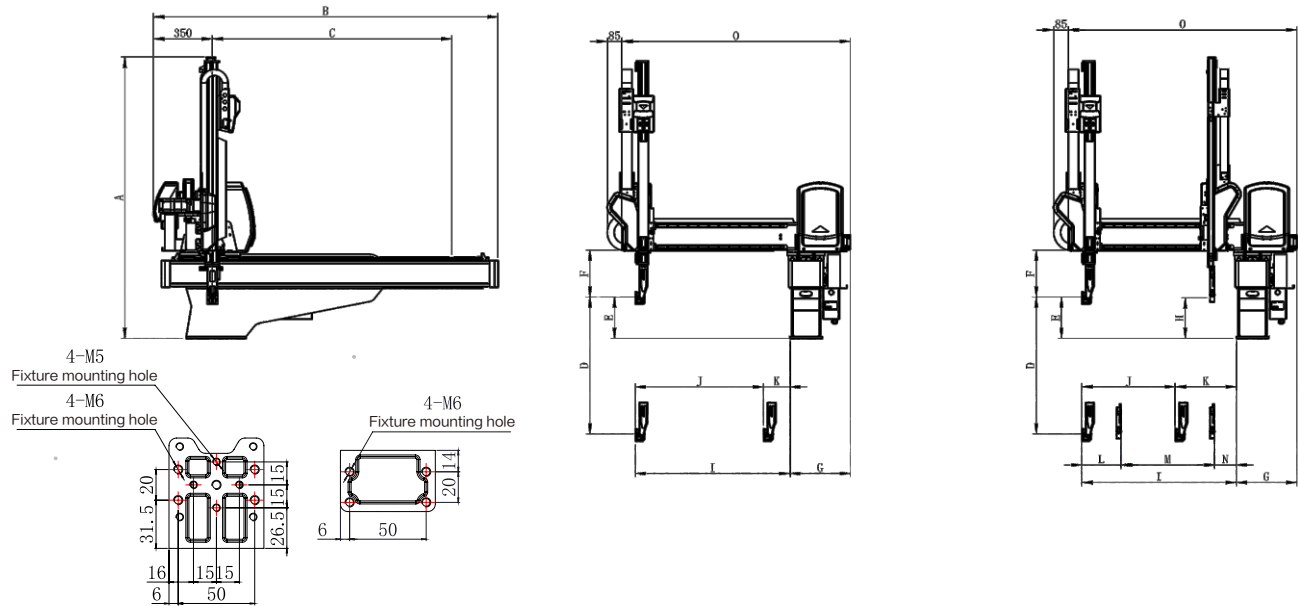
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
EU-80-80-92-14TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	AC Servo Motor	90°	6	0.05	1.3	5.6	13.2	260~280
EU-80-90-92-16TR		2	0.5~0.7	2.9			6	0.05	1.3	5.6	13.2	270~290
EU-80s-80-92-14TR		2.8	0.5~0.7	2.9			6	0.05	1.3	5.6	13.2	270~290
EU-80s-90-92-16TR		2.8	0.5~0.7	2.9			6	0.05	1.3	5.6	13.2	280~300

Outer dimensions



Unit: mm	Model	EU-80-80		EU-80-90	
		EU-80-80-92-14TR	EU-80s-80-92-14TR	EU-80-90-92-16TR	EU-80s-90-92-16TR
A	Total height	1650	1650	1770	1770
B	Total length	2060	2060	2240	2240
C	Traverse stroke	1400	1400	1600	1600
D	Main arm vertical stroke	800	800	900	900
E	Main arm standby height	225	225	225	225
F	Effective space for jig mounting	280	280	280	280
G	Base internal side to end of the box	395	395	395	395
H	Sub-arm vertical standby	—	255	—	255
I	Main arm max. fwd. movement	900	900	900	900
J	Main arm max. crosswise stroke	750	585	750	585
K	Main arm min. crosswise standby	150	365	150	365
L	Min. space between main arm and sub-arm	—	230	—	230
M	Sub-arm max. crosswise stroke	—	585	—	585
N	Sub-arm min. crosswise standby	—	135	—	135
O	Crosswise end to box end	1375	1375	1375	1375
P	Min. height of arm after descending	1100	1100	1100	1100
Q	Jig mounting dimension	Moveable platen 20x50, 4xM6 / 30x30, 4xM5			
		Fixed platen 20x50, 4xM6			

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
EU-80-80-92-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80s-80-92-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-80s-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "—" indicates none.

EUW-80
EUW-80s

Injection Press Range
100-350 ton

YASKAWA

Servo motor: Yaskawa

SHIMPO

Reducer: Shimpo

THK

Guide rail: THK

Elatech
Technology in Motion.

Synchronous belt: ELATECH

TAIYO

Cable: TAIYO



High precision

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

High speed

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

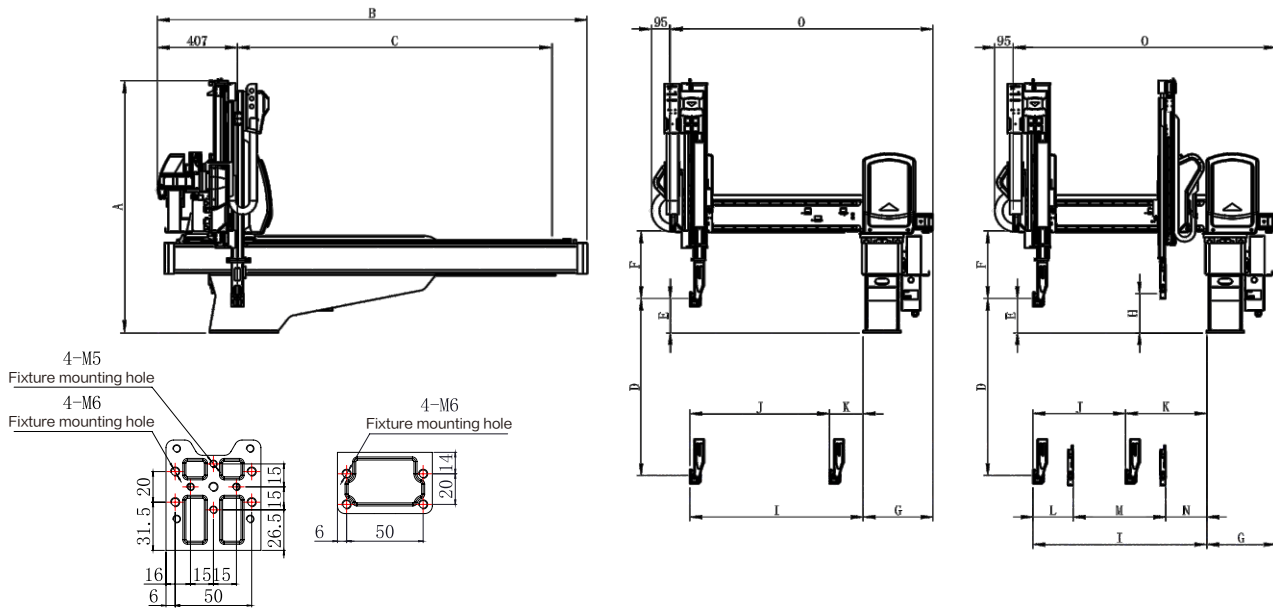
High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Outer dimensions



Unit: mm	Model	EUW-80-90		EUW-80-100	
		EUW-80-90-92-16TR	EUW-80s-90-92-16TR	EUW-80-100-92-16TR	EUW-80s-100-92-16TR
A	Total height	1310	1310	1370	1370
B	Total length	2240	2240	2240	2240
C	Traverse stroke	1600	1600	1600	1600
D	Main arm vertical stroke	900	900	1000	1000
E	Main arm standby height	160	160	160	160
F	Effective space for jig mounting	360	360	360	360
G	Base internal side to end of the box	420	420	420	420
H	Sub-arm vertical standby	-	160	-	160
I	Main arm max. fwd. movement	865	865	865	865
J	Main arm max. crosswise stroke	690	480	690	480
K	Main arm min. crosswise standby	175	385	175	385
L	Min. space between main arm and sub-arm	-	210	-	210
M	Sub-arm max. crosswise stroke	-	480	-	480
N	Sub-arm min. crosswise standby	-	110	-	110
O	Crosswise end to box end	1290	1290	1290	1290
P	Min. height of arm after descending	950	950	950	950
Q	Jig mounting dimension	20x50, 4xM6 / 30x30, 4xM5			
		20x50, 4xM6			

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
EUW-80-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80-100-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80s-90-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-80s-100-92-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

EU-120
EU-120s

Injection Press Range
350-450 ton



High precision

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

High speed

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

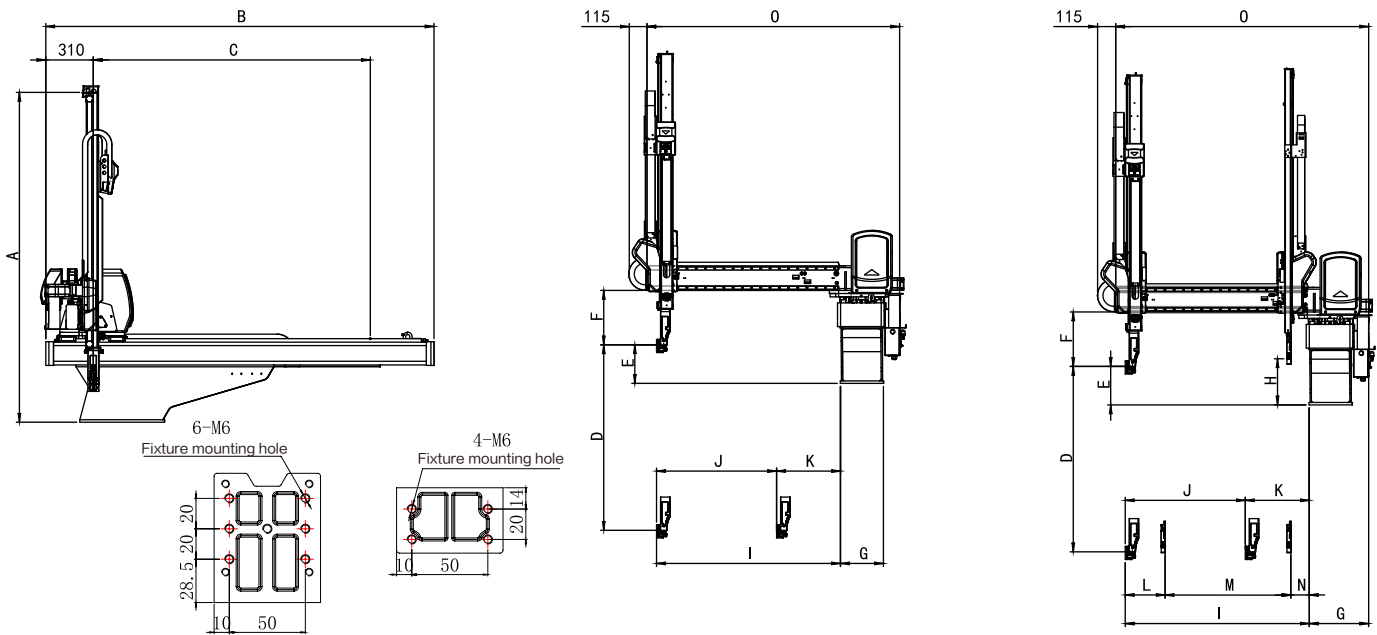
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
EU-120-120-120-18TR	AC220 ±10%	2	0.5-0.7	3.6	AC Servo Motor	90°	8	0.05	1.5	5.8	20.6	510-530
EU-120s-120-120-18TR	50/60HZ	2.8	0.5-0.7	3.6	AC Servo Motor	90°	8	0.05	1.5	5.8	20.6	550-570

Outer dimensions



Unit: mm	Model	EU-120-120	
		EU-120-120-120-18TR	EU-120s-120-120-18TR
A	Total height	2140	2180
B	Total length	2470	2470
C	Traverse stroke	1800	1800
D	Main arm vertical stroke	1200	1200
E	Main arm standby height	250	250
F	Effective space for jig mounting	350	350
G	Base internal side to end of the box	280	280
H	Sub-arm vertical standby	-	300
I	Main arm max. fwd. movement	1200	1200
J	Main arm max. crosswise stroke	1020	780
K	Main arm min. crosswise standby	175	415
L	Min. space between main arm and sub-arm	-	260
M	Sub-arm max. crosswise stroke	-	780
N	Sub-arm min. crosswise standby	-	120
O	Crosswise end to box end	1640	1640
P	Min. height of arm after descending	1360	1360
Q	Jig mounting dimension	40x50, 6xM6	
	Moveable platen	20x50, 4xM6	
	Fixed platen		

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
EU-120-120-120-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EU-120s-120-120-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

EUW-120
EUW-120s

Injection Press Range
350-800 ton

YASKAWA

Servo motor: Yaskawa

SHIMPO

Reducer: Shimpo

THK

Guide rail: THK

Elatech
Technology in Motion.

Synchronous belt: ELATECH

TAIYO

Cable: TAIYO



High precision

- Add vibration suppression function, which is very suitable for the molding insert project and other high-accuracy product extracting.
- Crosswise axis movement with gear and racks, and the positioning accuracy is higher.

High speed

- Lightweight aluminum alloy arm, reduce 20 structural components, reduce weight by 20%.
- Main arm with lightweight and high-strength A6061 material to improve the overall operating performance.
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

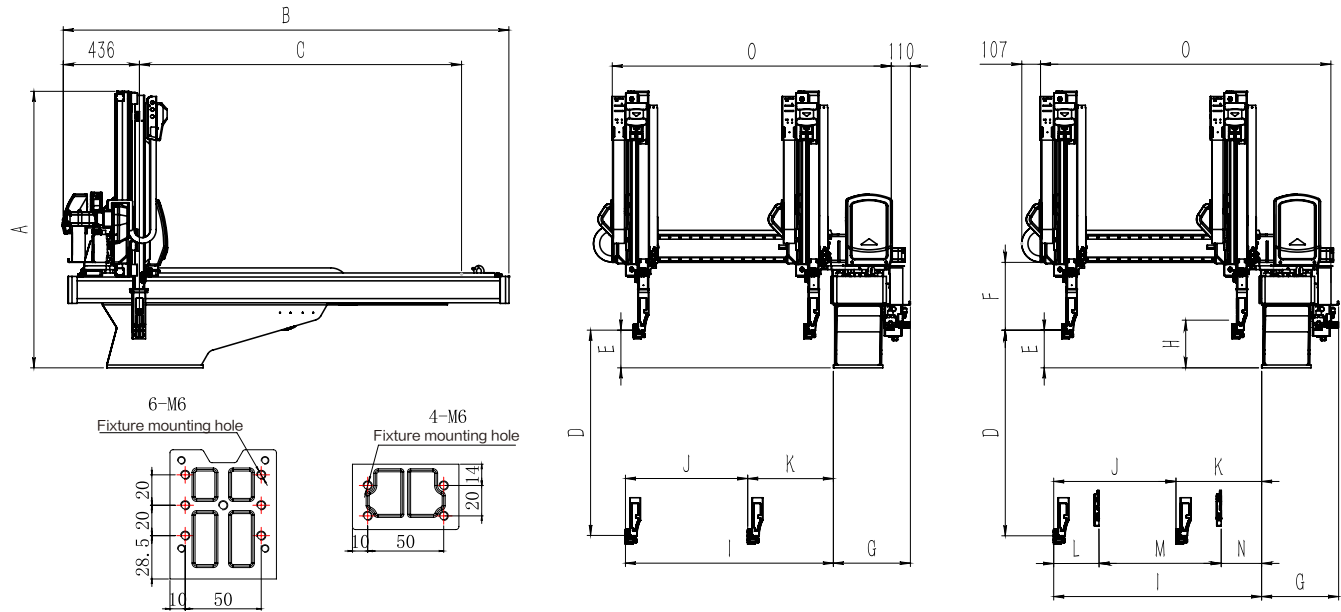
High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Posture (C axis) uses cylinder with big cylinder diameter to improve by 20% payload and extract larger parts.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Outer dimensions



Unit: mm	Model	EUW-120-120		EUW-120 II-140	
		EUW-120-120-115-18TR	EUW-120s-120-115-18TR	EUW-120-140-115-18TR	EUW-120s-140-115-18TR
A	Total height	1735	1735	1855	1855
B	Total length	2470	2470	2470	2470
C	Traverse stroke	1800	1800	1800	1800
D	Main arm vertical stroke	1200	1200	1400	1400
E	Main arm standby height	235	235	235	235
F	Effective space for jig mounting	370	370	370	370
G	Base internal side to end of the box	410	410	410	410
H	Sub-arm vertical standby	-	285	-	285
I	Main arm max. fwd. movement	1150	1150	1150	1150
J	Main arm max. crosswise stroke	980	780	980	780
K	Main arm min. crosswise standby	175	375	175	375
L	Min. space between main arm and sub-arm	-	205	-	205
M	Sub-arm max. crosswise stroke	-	780	-	780
N	Sub-arm min. crosswise standby	-	170	-	170
O	Crosswise end to box end	1675	1675	1675	1675
P	Min. height of arm after descending	1505	1505	1505	1505
Q	Jig mounting dimension	40x50, 6xM6			
		20x50, 4xM6			

Note: Same dimensions for positive and negative operation models.

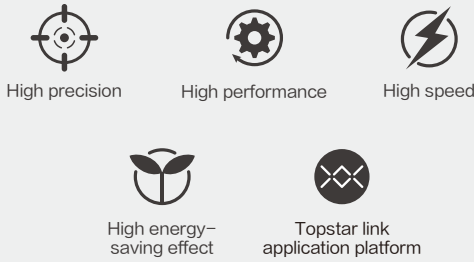
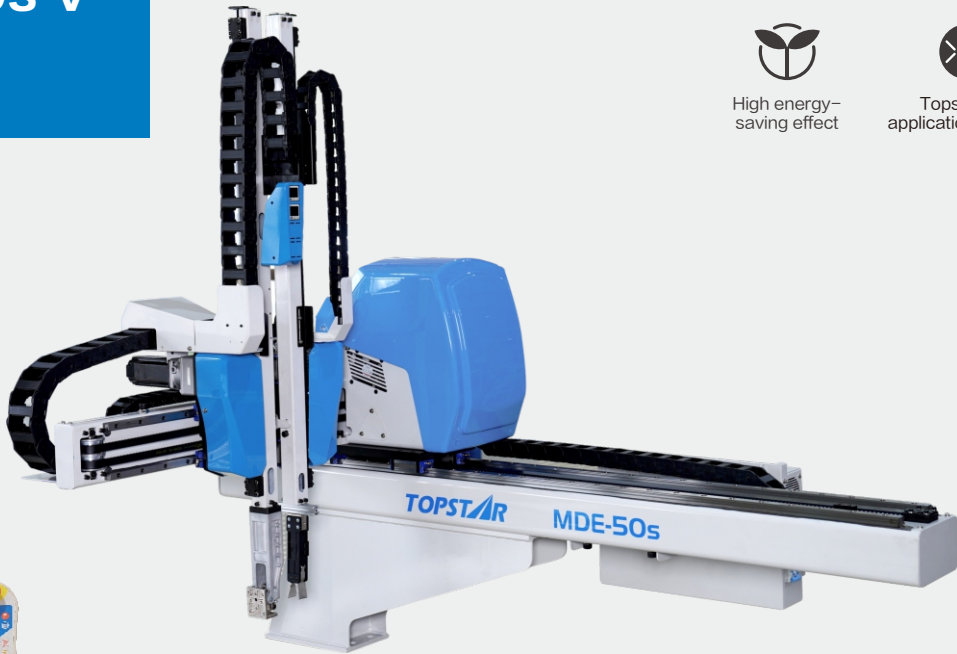
Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
EUW-120-120-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120-140-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120s-120-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
EUW-120s-140-115-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MDE-50 V
MDE-50s V

Injection Press Range
30-100 ton



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

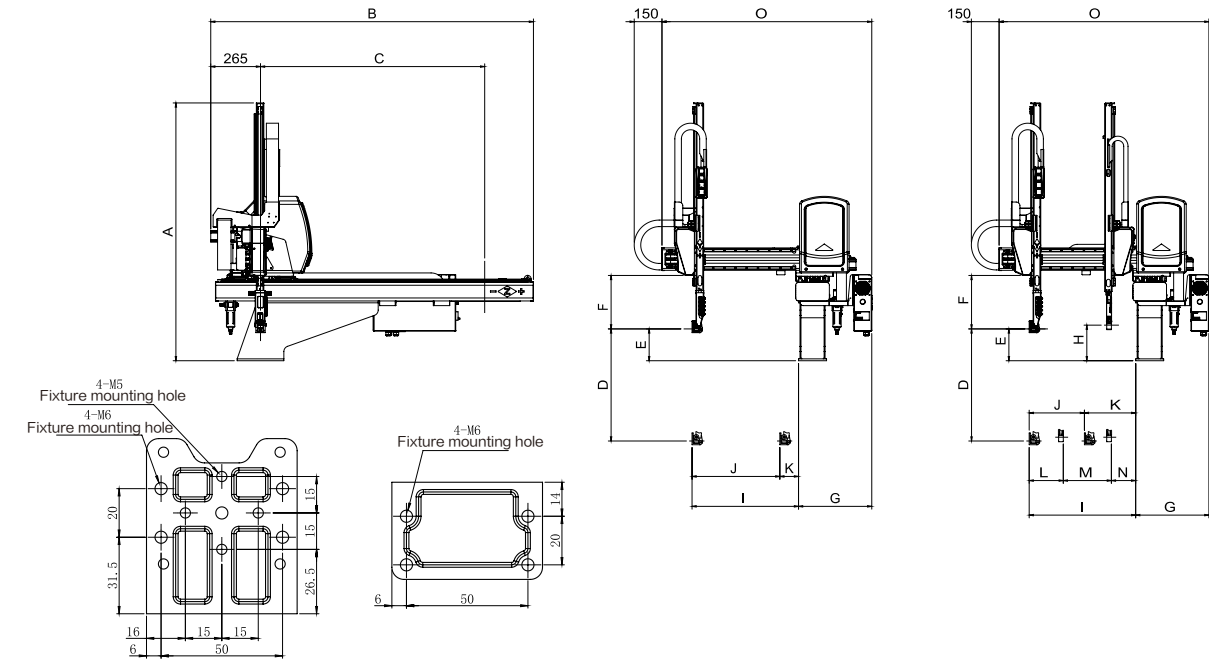
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MDE-50V-60-57-12TR	AC220 ±10%	1.3	0.5~0.7	3.6	AC Servo Motor	90°	3	0.1	1.2	5.4	13.2	160~170
MDE-50sV-60-57-12TR	50/60HZ	2.1	0.5~0.7	3.6	AC Servo Motor	90°	3	0.1	1.2	5.4	13.2	180~190

Outer dimensions



Unit: mm	Model	MDE-50V-60	
		MDE-50V-60-57-12TR	MDE-50sV-60-57-12TR
A	Total height	1380	1380
B	Total length	1730	1730
C	Traverse stroke	1200	1200
D	Main arm vertical stroke	600	600
E	Main arm standby height	185	185
F	Effective space for jig mounting	270	270
G	Base internal side to end of the box	310	310
H	Sub-arm vertical standby	-	185
I	Main arm max. fwd. movement	570	570
J	Main arm max. crosswise stroke	470	320
K	Main arm min. crosswise standby	100	250
L	Min. space between main arm and sub-arm	-	120
M	Sub-arm max. crosswise stroke	-	320
N	Sub-arm min. crosswise standby	-	130
O	Crosswise end to box end	1125	1125
P	Min. height of arm after descending	970	970
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5	
		20X50,4xM6	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MDE-50V-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-50sV-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MDE-80 V
MDE-80s V

Injection Press Range
100-300 ton

- 

High precision
- 

High performance
- 

High speed
- 

High energy-saving effect
- 

Topstar link application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

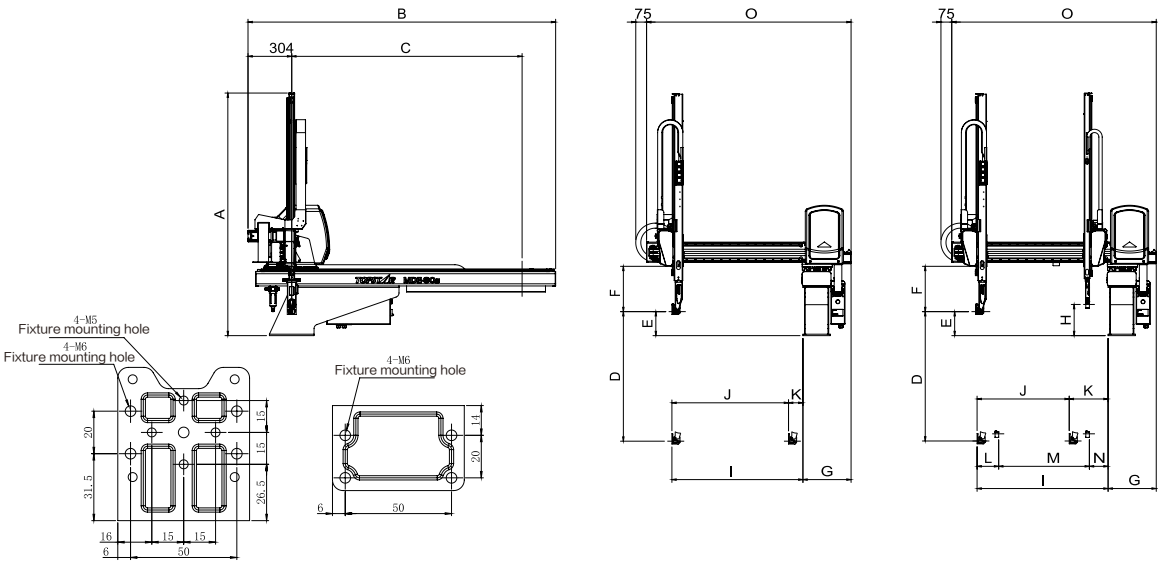
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MDE-80V-80-79-14TR	AC220 ±10% 50/60HZ	1.3	0.5~0.7	2.9	AC Servo Motor	90°	6	0.1	1.3	5.6	13.2	205~215
MDE-80V-90-91-16TR		1.3	0.5~0.7	2.9			6	0.1	1.3	5.6	13.2	205~215
MDE-80sV-80-79-14TR		2.1	0.5~0.7	2.9			6	0.1	1.3	5.6	13.2	225~235
MDE-80sV-90-91-16TR		2.1	0.5~0.7	2.9			6	0.1	1.3	5.6	13.2	225~235

Outer dimensions



Unit: mm	Model	MDE-80V-80		MDE-80V-90	
		MDE-80V-80-79-14TR	MDE-80sV-80-79-14TR	MDE-80V-90-91-16TR	MDE-80sV-90-91-16TR
A	Total height	1560	1560	1680	1680
B	Total length	1950	1950	2135	2135
C	Traverse stroke	1400	1400	1600	1600
D	Main arm vertical stroke	800	800	900	900
E	Main arm standby height	185	185	185	185
F	Effective space for jig mounting	295	295	295	295
G	Base internal side to end of the box	335	335	335	335
H	Sub-arm vertical standby	—	210	—	210
I	Main arm max. fwd. movement	790	790	910	910
J	Main arm max. crosswise stroke	700	525	820	640
K	Main arm min. crosswise standby	90	265	90	270
L	Min. space between main arm and sub-arm	—	140	—	140
M	Sub-arm max. crosswise stroke	—	525	—	640
N	Sub-arm min. crosswise standby	—	125	—	130
O	Crosswise end to box end	1300	1300	1420	1420
P	Min. height of arm after descending	1050	1050	1050	1050
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5			
	Moveable platen				
	Fixed platen	20X50,4xM6			

Note: Same dimensions for positive and negative operation models.

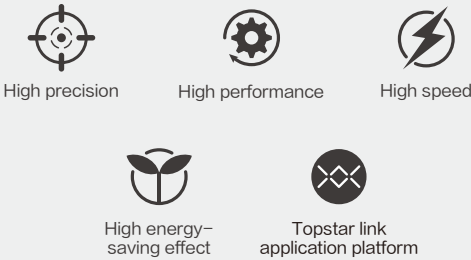
Configuration table

Model	8 independent packaging motion	Free packaging motion(115points ×2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MDE-80V-80-79-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-80V-90-91-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-80sV-80-79-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-80sV-90-91-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "—" indicates none.

MEWE-80 V
MEWE-80s V

Injection Press Range
100-300 ton



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

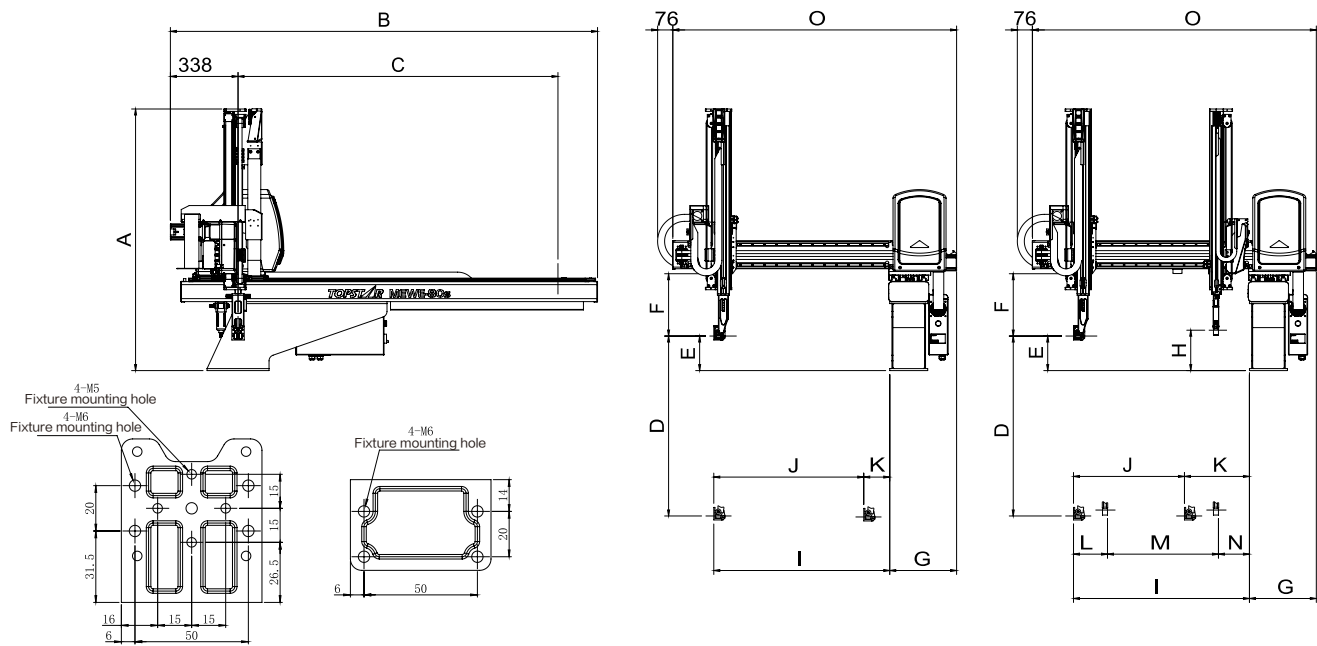
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MEWE-80V-90-88-14TR	AC220 ±10% 50/60HZ	2	0.5-0.7	2.9	AC Servo Motor	90°	6	0.1	1.2	5.2	13.2	200-210
MEWE-80V-90-88-16TR		2	0.5-0.7	2.9			6	0.1	1.2	5.2	13.2	200-210
MEWE-80sV-90-88-14TR		2.8	0.5-0.7	2.9			6	0.1	1.2	5.2	13.2	220-230
MEWE-80sV-90-88-16TR		2.8	0.5-0.7	2.9			6	0.1	1.2	5.2	13.2	220-230

Outer dimensions



Unit: mm	Model	MEWE-80V-90			
		MEWE-80V-90-88-14TR	MEWE-80sV-90-88-14TR	MEWE-80V-90-88-16TR	MEWE-80sV-90-88-16TR
A	Total height	1310	1310	1310	1310
B	Total length	1955	1955	2135	2135
C	Traverse stroke	1400	1400	1600	1600
D	Main arm vertical stroke	900	900	900	900
E	Main arm standby height	195	195	195	195
F	Effective space for jig mounting	290	290	290	290
G	Base internal side to end of the box	335	335	335	335
H	Sub-arm vertical standby	—	200	—	200
I	Main arm max. fwd. movement	880	880	880	880
J	Main arm max. crosswise stroke	750	555	750	555
K	Main arm min. crosswise standby	130	325	130	325
L	Min. space between main arm and sub-arm	—	170	—	170
M	Sub-arm max. crosswise stroke	—	555	—	555
N	Sub-arm min. crosswise standby	—	155	—	155
O	Crosswise end to box end	1420	1420	1420	1420
P	Min. height of arm after descending	905	905	905	905
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5			
	Moveable platen	20X50,4xM6			
	Fixed platen				

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points ×2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MEWE-80V-90-88-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-80V-90-88-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-80sV-90-88-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-80sV-90-88-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "—" indicates none.

MEWE-100 V
MEWE-100s V

Injection Press Range
300-550 ton



High precision



High performance



High speed



High energy-
saving effect



Topstar link
application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

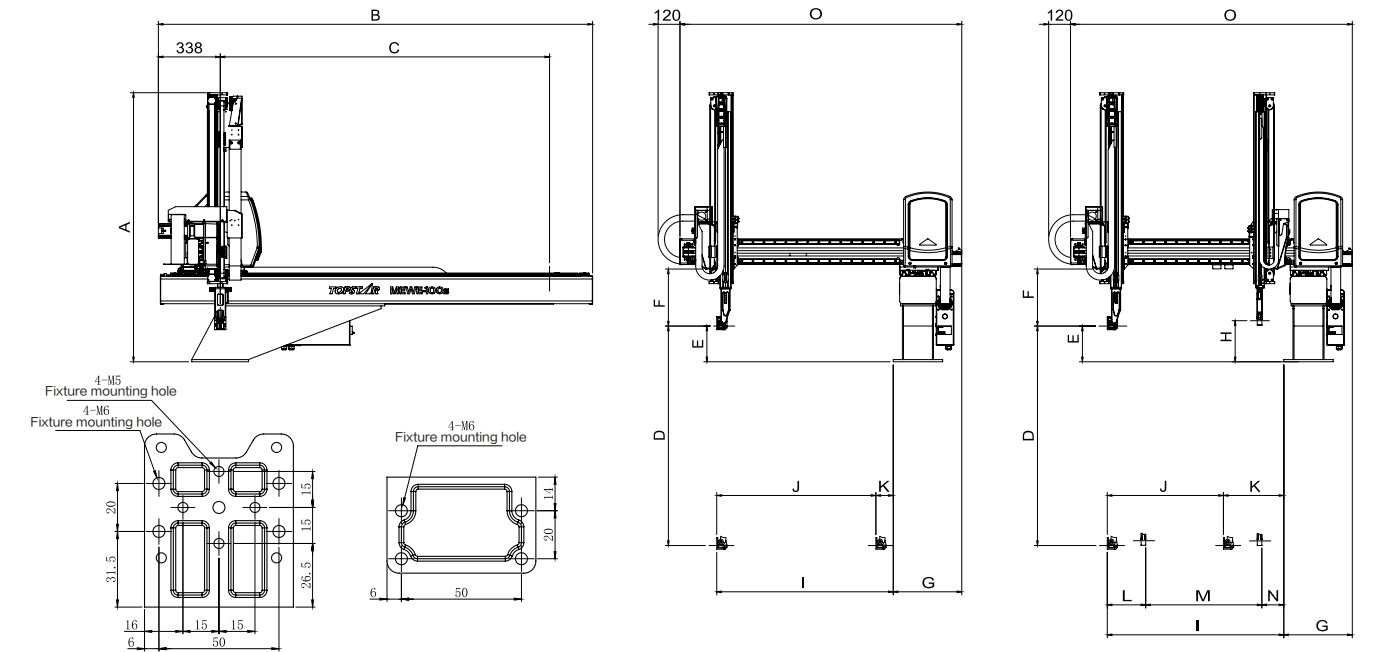
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MEWE-100V-100-90-16TR	AC220 ±10% 50/60HZ	2	0.5-0.7	2.9	AC Servo Motor	90°	8	0.1	1.4	5.6	13.2	260-270
MEWE-100V-120-96-18TR		2	0.5-0.7	2.9			8	0.1	1.4	5.6	13.2	275-285
MEWE-100sV-100-90-16TR		2.8	0.5-0.7	2.9			8	0.1	1.4	5.6	13.2	280-290
MEWE-100sV-120-96-18TR		2.8	0.5-0.7	2.9			8	0.1	1.4	5.6	13.2	295-305

Outer dimensions



Unit: mm	Model	MEWE-100V-100		MEWE-100V-120	
		MEWE-100V-100-90-16TR	MEWE-100sV-100-90-16TR	MEWE-100V-120-96-18TR	MEWE-100sV-120-96-18TR
A	Total height	1370	1370	1470	1470
B	Total length	2150	2150	2375	2375
C	Traverse stroke	1600	1600	1800	1800
D	Main arm vertical stroke	1000	1000	1200	1200
E	Main arm standby height	215	215	215	215
F	Effective space for jig mounting	290	290	290	290
G	Base internal side to end of the box	375	375	375	375
H	Sub-arm vertical standby	—	220	—	220
I	Main arm max. fwd. movement	900	900	960	960
J	Main arm max. crosswise stroke	800	570	860	630
K	Main arm min. crosswise standby	100	330	100	330
L	Min. space between main arm and sub-arm	—	210	—	210
M	Sub-arm max. crosswise stroke	—	570	—	630
N	Sub-arm min. crosswise standby	—	120	—	120
O	Crosswise end to box end	1480	1480	1540	1540
P	Min. height of arm after descending	930	930	930	930
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5			
		20X50,4xM6			

Note: Same dimensions for positive and negative operation models.

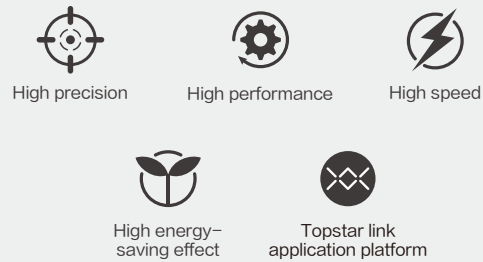
Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MEWE-100V-100-90-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-100V-120-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-100sV-100-90-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-100sV-120-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "—" indicates none.

MDE-120 V
MDE-120s V

Injection Press Range
350-550 ton



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

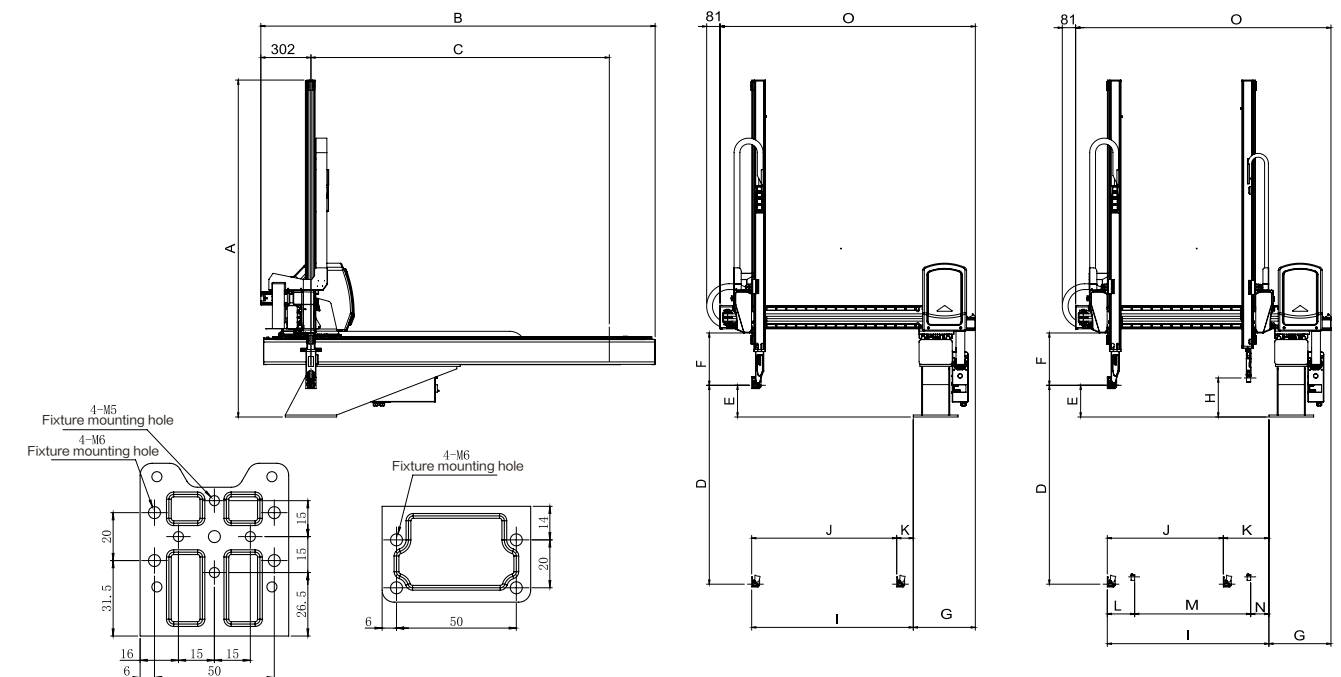
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	——	——	kg	mm	s	s	N.m	kg
MDE-120V-120-97-18TR	AC220 ± 10%	2	0.5~0.7	2.9	AC Servo Motor	90° Fixed	6	0.1	1.5	5.7	13.2	270~280
MDE-120sV-120-97-18TR	50/60HZ	2.8	0.5~0.7	2.9			6	0.1	1.5	5.7	13.2	290~300

Outer dimensions



Unit: mm		Model	MDE-120V-120	
			MDE-120V-120-97-18TR	MDE-120sV-120-97-18TR
A	Total height		2030	2030
B	Total length		2380	2380
C	Traverse stroke		1800	1800
D	Main arm vertical stroke		1200	1200
E	Main arm standby height		210	210
F	Effective space for jig mounting		295	295
G	Base internal side to end of the box		375	375
H	Sub-arm vertical standby		–	230
I	Main arm max. fwd. movement		970	970
J	Main arm max. crosswise stroke		870	695
K	Main arm min. crosswise standby		100	275
L	Min. space between main arm and sub-arm		–	165
M	Sub-arm max. crosswise stroke		–	695
N	Sub-arm min. crosswise standby		–	110
O	Crosswise end to box end		1540	1540
P	Min. height of arm after descending		1080	1080
Q	Jig mounting dimension	Moveable platen	20x50,4xM6/30x30,4xM5	
		Fixed platen	20X50,4xM6	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging model(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MDE-120V-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-120sV-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MEWE-120 V
MEWE-120s V

Injection Press Range
350-800 ton

- 

High precision
- 

High performance
- 

High speed
- 

High energy-saving effect
- 

Topstar link application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

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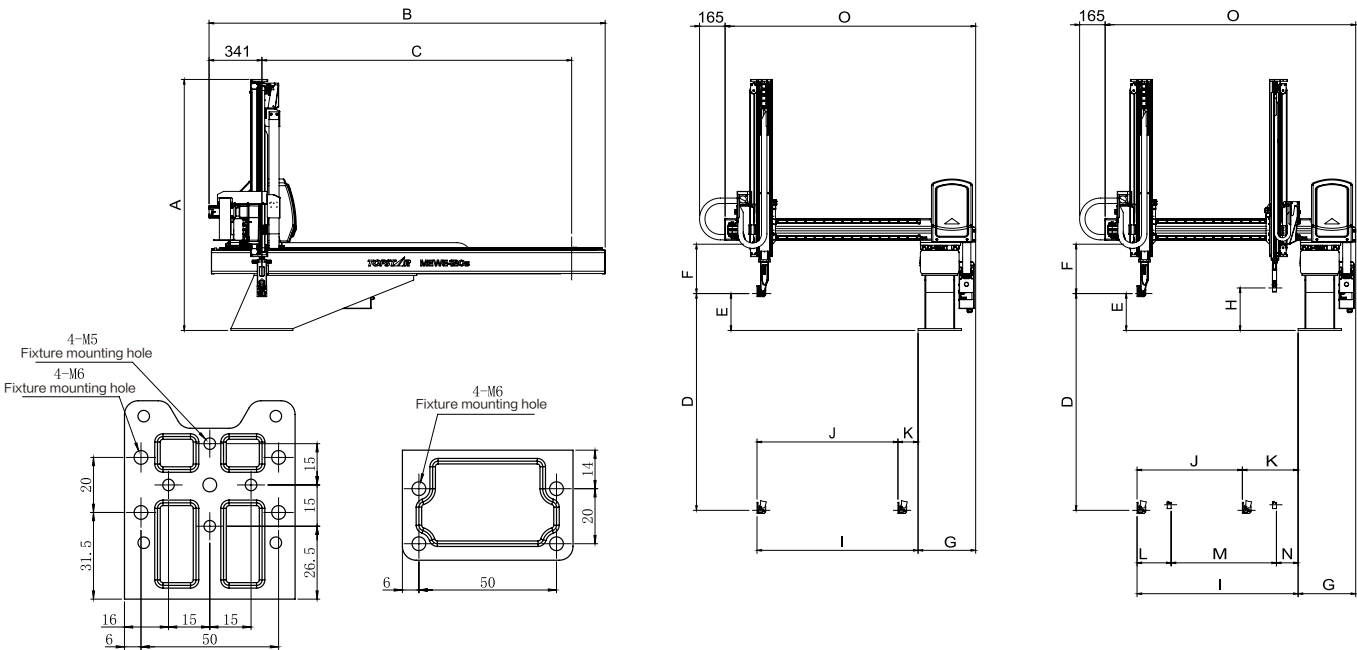
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MEWE-120V-140-104-20TR	AC220 ±10% 50/60HZ	1.9	0.5-0.7	2.9	AC Servo Motor	90° Fixed	8	0.1	1.4	5.6	13.2	355-365
MEWE-120sV-140-104-20TR		2.8	0.5-0.7	2.9			8	0.1	1.4	5.6	13.2	375-385

Outer dimensions



Unit: mm		Model	MEWE-120V-140	
			MEWE-120V-140-104-20TR	MEWE-120sV-140-104-20TR
A	Total height		1620	1620
B	Total length		2560	2560
C	Traverse stroke		2000	2000
D	Main arm vertical stroke		1400	1400
E	Main arm standby height		260	260
F	Effective space for jig mounting		295	295
G	Base internal side to end of the box		370	370
H	Sub-arm vertical standby		-	270
I	Main arm max. fwd. movement		1040	1040
J	Main arm max. crosswise stroke		910	680
K	Main arm min. crosswise standby		130	360
L	Min. space between main arm and sub-arm		-	220
M	Sub-arm max. crosswise stroke		-	680
N	Sub-arm min. crosswise standby		-	140
O	Crosswise end to box end		1615	1615
P	Min. height of arm after descending		980	980
Q	Jig mounting dimension	Moveable platen	20x50,4xM6/30x30,4xM5	
		Fixed platen	20X50,4xM6	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MEWE-120V-140-104-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEWE-120sV-140-104-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MDWE-110
MDWE-110s

Injection Press Range
350-1300 ton

- 

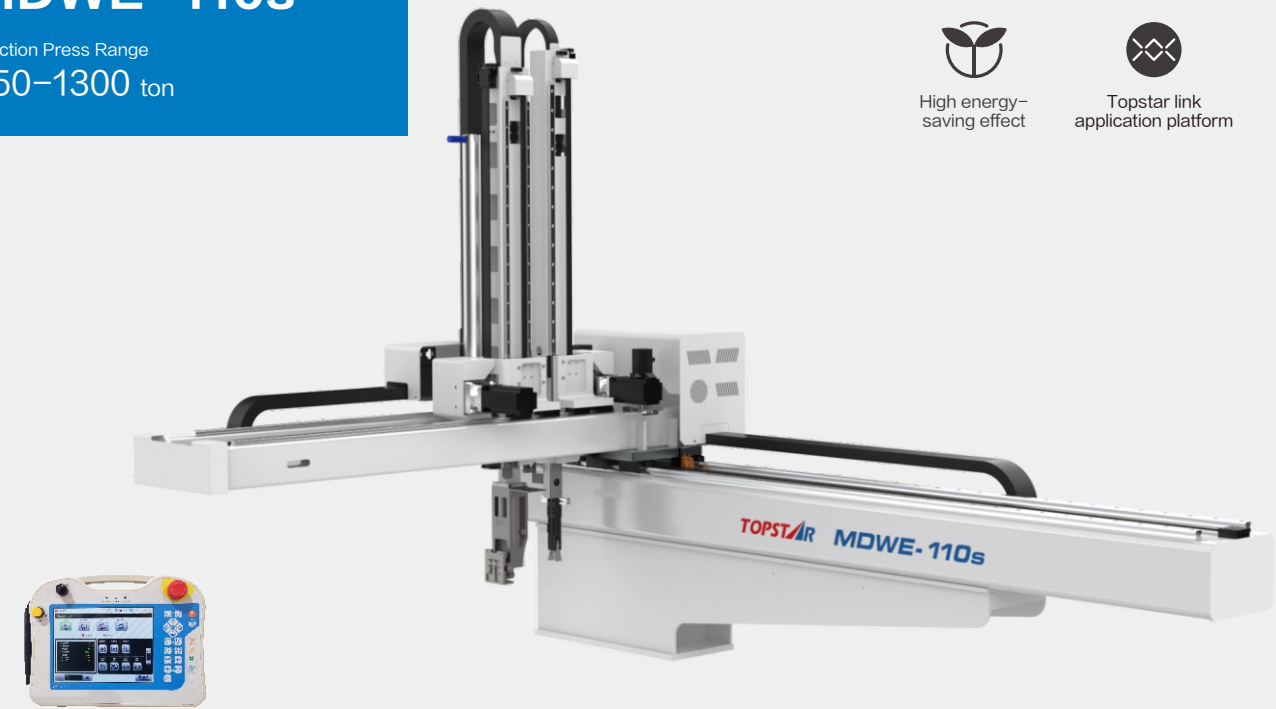
High precision
- 

High performance
- 

High speed
- 

High energy-saving effect
- 

Topstar link application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

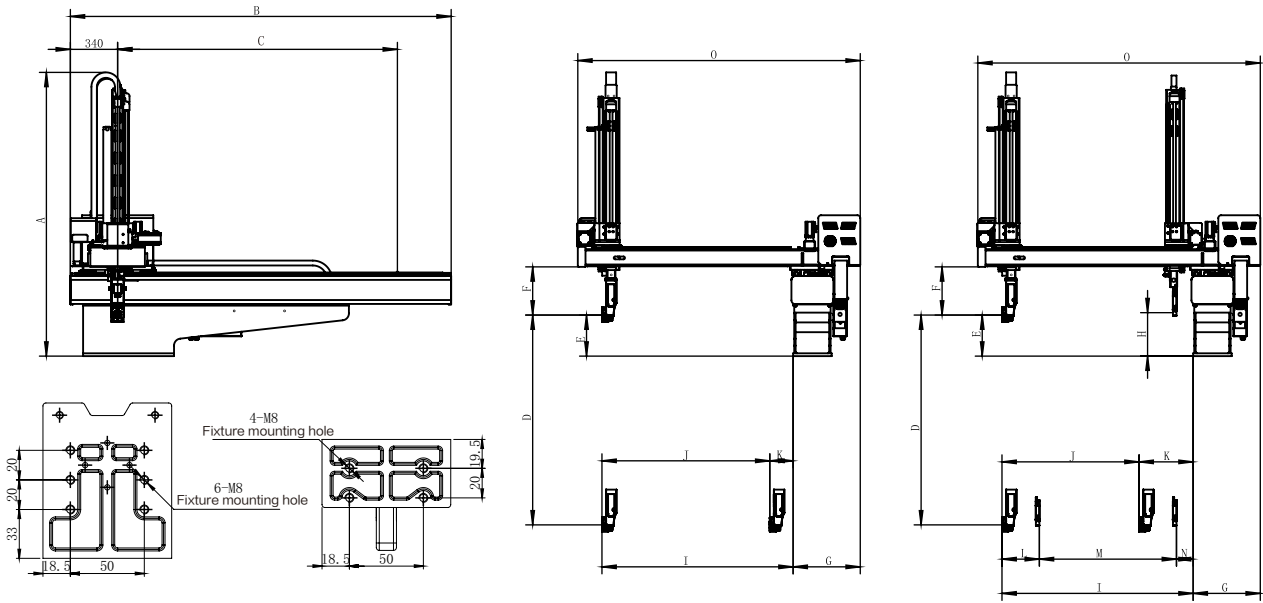
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MDWE-110-150-136-20TR	AC 220 ±10% 50/60Hz	2	0.5-0.7	18	AC Servo Motor	90°	10	0.1	2.8	10.8	49.8	592-693
MDWE-110s-150-136-20TR		2.8	0.5-0.7	27			10	0.1	2.8	10.8	49.8	592-693
MDWE-110-170-136-20TR		2	0.5-0.7	18			10	0.1	2.8	10.8	49.8	592-693

Outer dimensions



Unit: mm	Model	MDWE-110-150		MDWE-110-170
		MDWE-110-150-136-20TR	MDWE-110s-150-136-20TR	MDWE-110-170-136-25TR
A	Total height	2080	2080	2200
B	Total length	2730	2730	3210
C	Traverse stroke	2000	2000	2500
D	Main arm vertical stroke	1500	1500	1700
E	Main arm standby height	290		
F	Effective space for jig mounting	330		
G	Base internal side to end of the box	480		
H	Sub-arm vertical standby	—	310	—
I	Main arm max. fwd. movement	1360		
J	Main arm max. crosswise stroke	1200	980	1200
K	Main arm min. crosswise standby	160	380	160
L	Min. space between main arm and sub-arm	—	270	—
M	Sub-arm max. crosswise stroke	—	980	—
N	Sub-arm min. crosswise standby	—	120	—
O	Crosswise end to box end	2050	2050	
P	Min. height of arm after descending	1640		1790
Q	Jig mounting dimension	40 × 50, 6 × M8		
		20 × 50, 4 × M6		

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MDWE-110-150-136-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDWE-110s-150-136-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDWE-110-170-136-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "—" indicates none.

MEW-170s

Injection Press Range
1000-2000

- 

High precision
- 

High performance
- 

High speed
- 

High energy-saving effect
- 

Topstar link application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

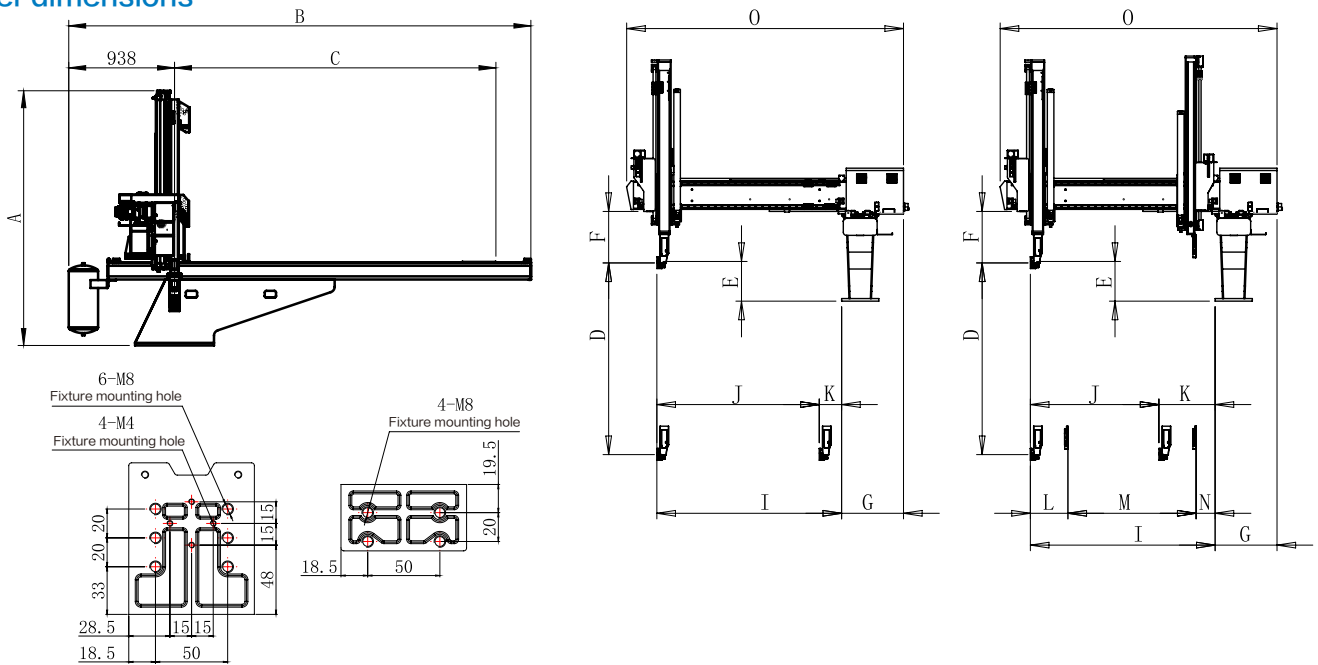
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MEW-170-170-160-25TR	AC220 ±10% 50/60HZ	2.4	0.5-0.7	26	AC Servo Motor+ /Air Cylinder	90° Fixed	20	0.2	3.7	13.2	49.8	1210-1260
MEW-170s-170-160-25TR		3.6	0.5-0.7	26			20	0.2	3.7	13.2	49.8	1360-1410
MEW-170-200-160-30TR		2.4	0.5-0.7	26			20	0.2	4.2	14.2	49.8	1450-1500
MEW-170s-200-160-30TR		3.6	0.5-0.7	26			20	0.2	4.2	14.2	49.8	1600-1650

Outer dimensions



Unit: mm	Model	MEW-170-170		MEW-170-200	
		MEW-170-170-160-25TR	MEW-170s-170-160-25TR	MEW-170-200-160-30TR	MEW-170s-200-160-30TR
A	Total height	2175		2295	
B	Total length	3620		4100	
C	Traverse stroke	2500		3000	
D	Main arm vertical stroke	1700		2000	
E	Main arm standby height	370		370	
F	Effective space for jig mounting	295		295	
G	Base internal side to end of the box	548		370	
H	Sub-arm vertical standby	-	410	-	410
I	Main arm max. fwd. movement	1660		1660	
J	Main arm max. crosswise stroke	1440	1140	1440	1140
K	Main arm min. crosswise standby	210	510	210	510
L	Min. space between main arm and sub-arm	-	350	-	350
M	Sub-arm max. crosswise stroke	-	1140	-	1140
N	Sub-arm min. crosswise standby	-	170	-	170
O	Crosswise end to box end	2455		2455	
P	Min. height of arm after descending	1880		1880	
Q	Jig mounting dimension	Moveable platen		40x50,6xM8	
		Fixed platen		20X50,4xM8	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MEW-170-170-160-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-170s-170-160-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-170-200-160-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MEW-170s-200-160-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MBWE-130

Injection Press Range
550-1000 ton



Big Payload



High performance



High Stability



Topstar link
application platform



Big payload

- Posture (C axis) uses cylinder with big cylinder diameter to improve payload and extract larger parts.
- The structure of the posture (C axis) is compact, which can ensure taking large products in the moving platen.
- With high-power servo driver and motor, the load capacity increases.

High stability

- Add the vibration suppression function to make machine run more smoothly.
- Use thickened square steel to improve the carrying and stability of traverse axis.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

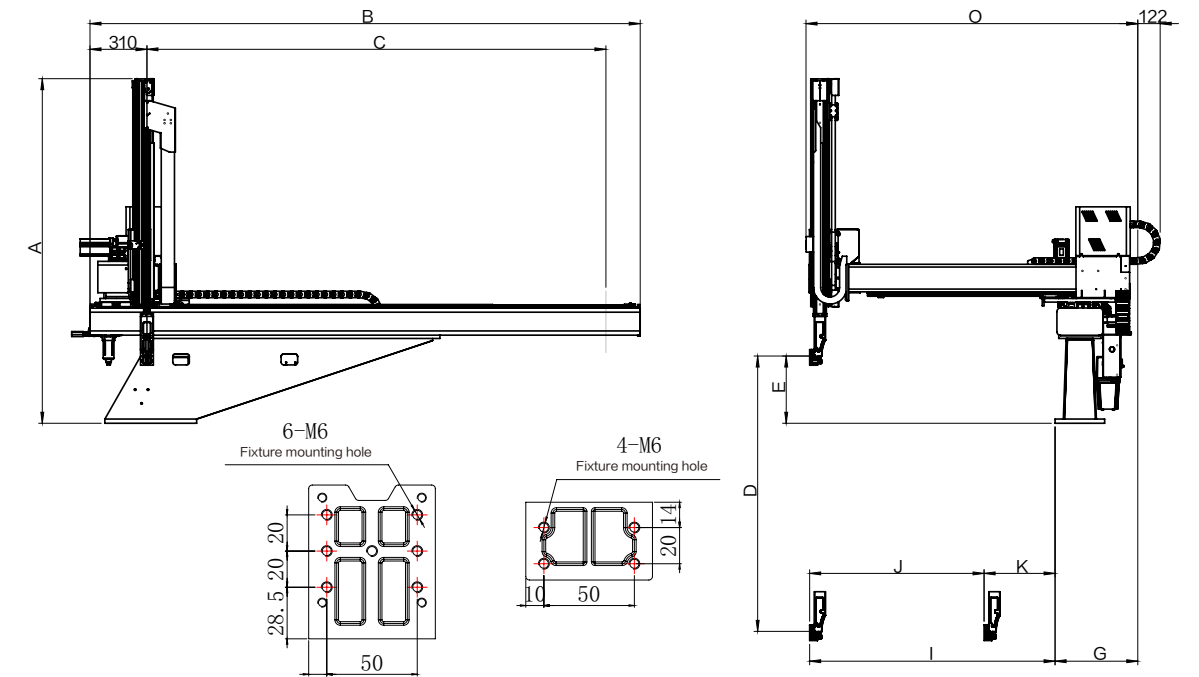
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle			kg	mm	s	s	N.m	kg
MBWE-130-130-133-20TR	AC220 ±10% 50/60HZ	2.3	0.5~0.7	2.9	AC Servo Motor	90° Fixed	12	0.15	2.7	11	20.6	460
MBWE-130-150-133-25TR		2.3	0.5~0.7	2.9			12	0.15	2.7	11.3	20.6	500

Outer dimensions



Unit: mm		Model	MBWE-130-130	
			MBWE-130-130-133-P-20TR	
		MBWE-130-150		
		MBWE-130-150-133-P-25TR		
A	Total height	1800	1920	
B	Total length	2570	3050	
C	Traverse stroke	2000	2500	
D	Main arm vertical stroke	1300	1500	
E	Main arm standby height	295	295	
F	Effective space for jig mounting	–	–	
G	Base internal side to end of the box	450	450	
H	Sub-arm vertical standby	–	–	
I	Main arm max. fwd. movement	1330	1330	
J	Main arm max. crosswise stroke	940	940	
K	Main arm min. crosswise standby	390	390	
L	Min. space between main arm and sub-arm	–	–	
M	Sub-arm max. crosswise stroke	–	–	
N	Sub-arm min. crosswise standby	–	–	
O	Crosswise end to box end	1807	1807	
P	Min. height of arm after descending	1300	1500	
Q	Jig mounting dimension	Moveable platen	40 × 50, 6 × M6	
		Fixed platen	20 × 50, 4 × M6	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion (115 points × 2 stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on cross member of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MBWE-130-130-133-P-20TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBWE-130-150-133-P-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MBWE-170

Injection Press Range
1000~2000 ton

- 

Big Payload
- 

High performance
- 

High Stability
- 

Topstar link application platform



Big payload

- Posture (C axis) uses cylinder with big cylinder diameter to improve payload and extract larger parts.
- The structure of the posture (C axis) is compact, which can ensure taking large products in the moving platen.
- With high-power servo driver and motor, the load capacity increases.

High stability

- Add the vibration suppression function to make machine run more smoothly.
- Use thickened square steel to improve the carrying and stability of traverse axis.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

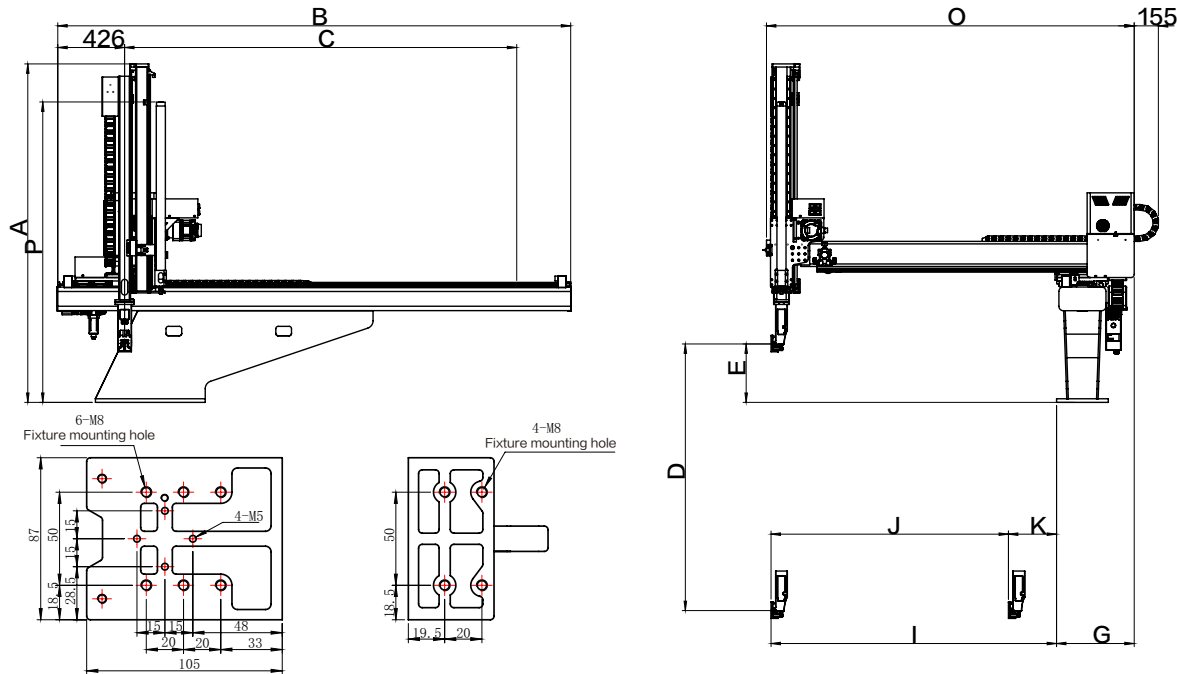
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MBWE-170-170-182-25TR	AC220 ±10%	2.4	0.5~0.7	24	AC Servo Motor+	90°	20	0.2	2.9	12.2	49.8	1080~1240
MBWE-170-200-182-30TR	50/60HZ	2.4	0.5~0.7	24	/Air Cylinder		20	0.2	3.9	13.2	49.8	1080~1240

Outer dimensions



Unit: mm	Model	MBWE-170-170	MBWE-170-200
		MBWE-170-170-182-25TR	MBWE-170-200-182-30TR
A	Total height	2160	2280
B	Total length	3270	3750
C	Traverse stroke	2500	3000
D	Main arm vertical stroke	1700	2000
E	Main arm standby height	370	370
F	Effective space for jig mounting	—	—
G	Base internal side to end of the box	495	495
H	Sub-arm vertical standby	—	—
I	Main arm max. fwd. movement	1820	1820
J	Main arm max. crosswise stroke	1515	1515
K	Main arm min. crosswise standby	305	305
L	Min. space between main arm and sub-arm	—	—
M	Sub-arm max. crosswise stroke	—	—
N	Sub-arm min. crosswise standby	—	—
O	Crosswise end to box end	2345	2345
P	Min. height of arm after descending	1915	1915
Q	Jig mounting dimension	40 × 50, 6 × M8 / 30 × 30, 4 × M4	
		20 × 50, 4 × M8	

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
MBWE-170-170-182-25TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MBWE-170-200-182-30TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

MBWE-200

Injection Press Range
1600~4000 ton



Big Payload



High performance



High Stability



Topstar link
application platform



High precision

- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

High speed

- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Total DC bus technology is 10% energy-saving, and the cost of electricity is reduced by 10%.
- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Add the softening function of each axis to prevent robot not picking the products or breaking the arm due to mold opening position changing.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit. 2 air circuit function, reserve 11 inputs and 11 outputs.

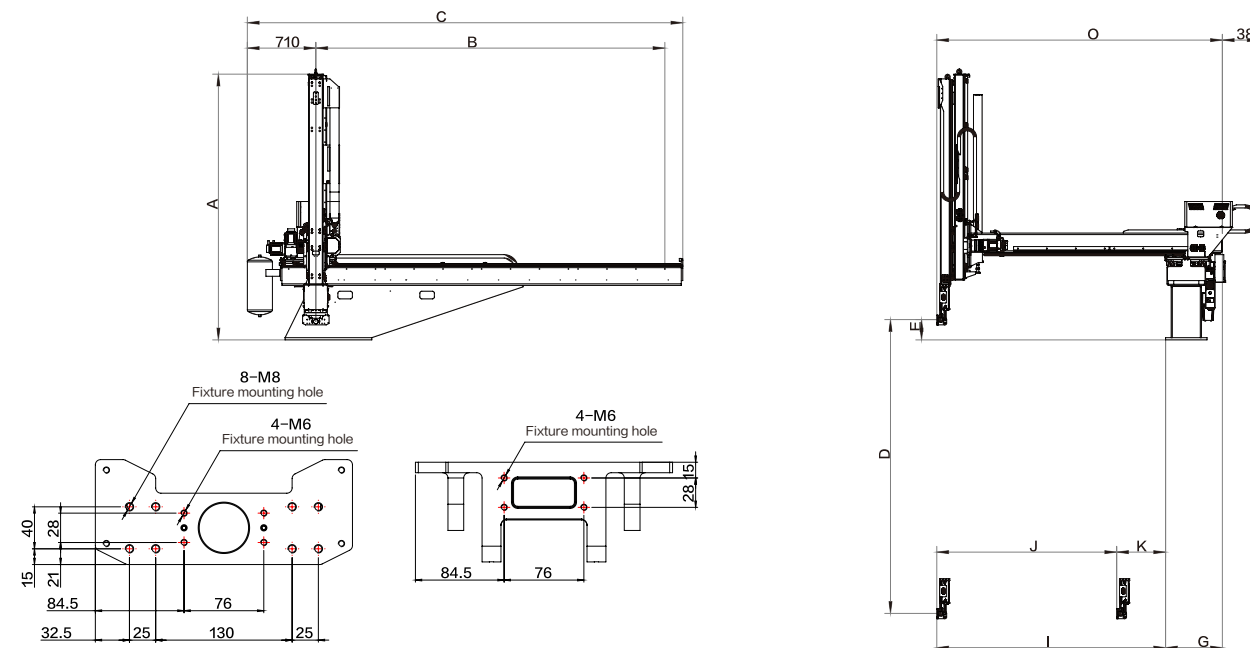
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
MBWE-200-200-230-30TR	AC 380 ±10% 50/60Hz	4.5	0.5-0.7	48	AC Servo Motor+ Air Cylinder	90°	50	0.2	10	23	181.4	1585-1820
MBWE-200-250-230-35TR		4.5	0.5-0.7	48			50	0.2	10	23	181.4	1585-1820
MBWE-200-300-230-35TR		4.5	0.5-0.7	48			50	0.2	10	23	181.4	1585-1820

Outer dimensions



Unit: mm		Model	MBWE-200		
			MBWE-200-200-230-30TR	MBWE-200-250-230-35TR	MBWE-200-300-230-35TR
A	Total height		2290	2530	2770
B	Total length		4040	4520	4520
C	Traverse stroke		3000	3500	3500
D	Main arm vertical stroke		2000	2500	3000
E	Main arm standby height		210	210	210
F	Effective space for jig mounting		–	–	–
G	Base internal side to end of the box		590	590	590
H	Sub-arm vertical standby		–	–	–
I	Main arm max. fwd. movement		2300	2300	2300
J	Main arm max. crosswise stroke		1800	1800	1800
K	Main arm min. crosswise standby		530	530	530
L	Min. space between main arm and sub-arm		–	–	–
M	Sub-arm max. crosswise stroke		–	–	–
N	Sub-arm min. crosswise standby		–	–	–
O	Crosswise end to box end		2960	2960	2960
P	Min. height of arm after descending		2020	2530	2530
Q	Jig mounting dimension	Moveable platen	40 × 180,8 × M8 / 28 × 76,4 × M6		
		Fixed platen	28 × 76,4 × M6		

Note: Same dimensions for positive and negative operation models.

Configuration table

[illegible]

Note: Standard function "●", optional function "○" and "-" indicates none.

TMDE-80s

Injection Press Range
100-300 ton

- 

Safety
- 

Stability
- 

Adaptability
- 

Topstar link application platform



Top needle follow

- Real time adjustment of joint torque
- Make the robotic arm respond smoothly to external forces
- Avoid collision damage to the mold
- Safety: Reduce collision injuries

Motor self-adjusting

- According to actual working conditions, the acceleration and deceleration of the motor can be intelligently adjusted, and the equipment can operate stably and efficiently, increasing efficiency by 30%. Resale of equipment due to scale expansion or technological upgrades, T5 retains its value
- Adaptability: Reduce oscillation and overshoot, able to cope with load and environmental changes

Precision of mold opening

- Automatic and accurate adjustment
- Support injection molding machine call signals, detect the mold opening position of the injection molding machine, and automatically adjust the stroke
- Reduce the number of alarms and machine adjustments caused by inaccurate mold precision
- Stability: Reduce production fluctuations - debugging frequency

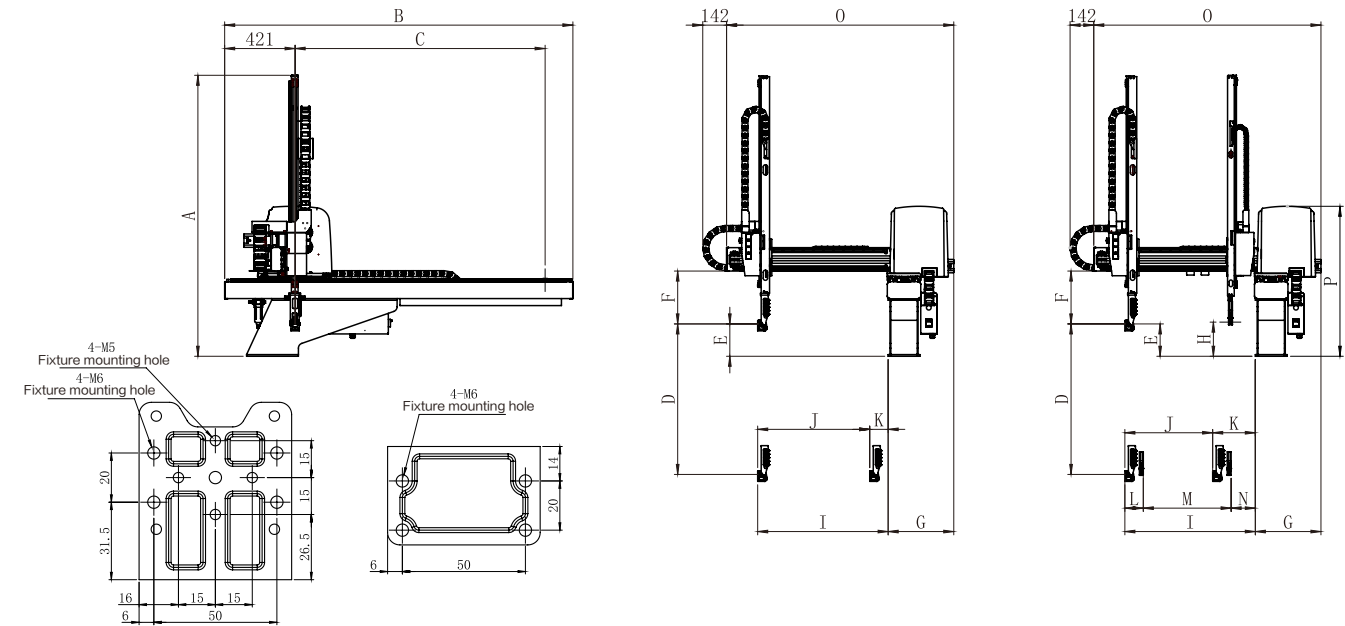
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle			kg	mm	s	s	N.m	kg
TMDE-80-80-78-14TR	AC220 ±10% 50/60HZ	1.3	0.5-0.7	2.9	AC Servo Motor	90°	4	0.1	1.4	5.8	13.2	190-210
TMDE-80s-80-78-14TR		2.1	0.5-0.7	2.9			4	0.1	1.4	5.8	13.2	190-210
TMDE-80-90-78-16TR		1.3	0.5-0.7	2.9			4	0.1	1.4	5.8	13.2	190-210
TMDE-80s-90-78-16TR		2.1	0.5-0.7	2.9			4	0.1	1.4	5.8	13.2	190-210

Outer dimensions



Unit: mm	Model	TMDE-80-80		TMDE-80-90	
		TMDE-80-80-78-14TR	TMDE-80s-80-78-14TR	TMDE-80-90-78-16TR	TMDE-80s-90-78-16TR
A	Total height	1560	1560	1680	1680
B	Total length	1900	1900	2080	2080
C	Traverse stroke	1400	1400	1600	1600
D	Main arm vertical stroke	800	800	900	900
E	Main arm standby height	193	193	193	193
F	Effective space for jig mounting	316	316	316	316
G	Base internal side to end of the box	392	392	392	392
H	Sub-arm vertical standby	-	204	-	204
I	Main arm max. fwd. movement	780	780	780	780
J	Main arm max. crosswise stroke	670	525	670	525
K	Main arm min. crosswise standby	110	255	110	255
L	Min. space between main arm and sub-arm	-	110	-	110
M	Sub-arm max. crosswise stroke	-	525	-	525
N	Sub-arm min. crosswise standby	-	145	-	145
O	Crosswise end to box end	1360	1360	1360	1360
P	Min. height of arm after descending	905	905	905	905
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5			
		20X50,4xM6			

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
TMDE-80-80-78-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE-80s-80-78-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE-80-90-78-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE-80s-90-78-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

TMEWE-80s

Injection Press Range
100-350 ton

- 

Safety
- 

Stability
- 

Adaptability
- 

Topstar link
application platform



Top needle follow

- Real time adjustment of joint torque
- Make the robotic arm respond smoothly to external forces
- Avoid collision damage to the mold
- Safety: Reduce collision injuries

Motor self-adjusting

- According to actual working conditions, the acceleration and deceleration of the motor can be intelligently adjusted, and the equipment can operate stably and efficiently, increasing efficiency by 30%. Resale of equipment due to scale expansion or technological upgrades, T5 retains its value
- Adaptability: Reduce oscillation and overshoot, able to cope with load and environmental changes

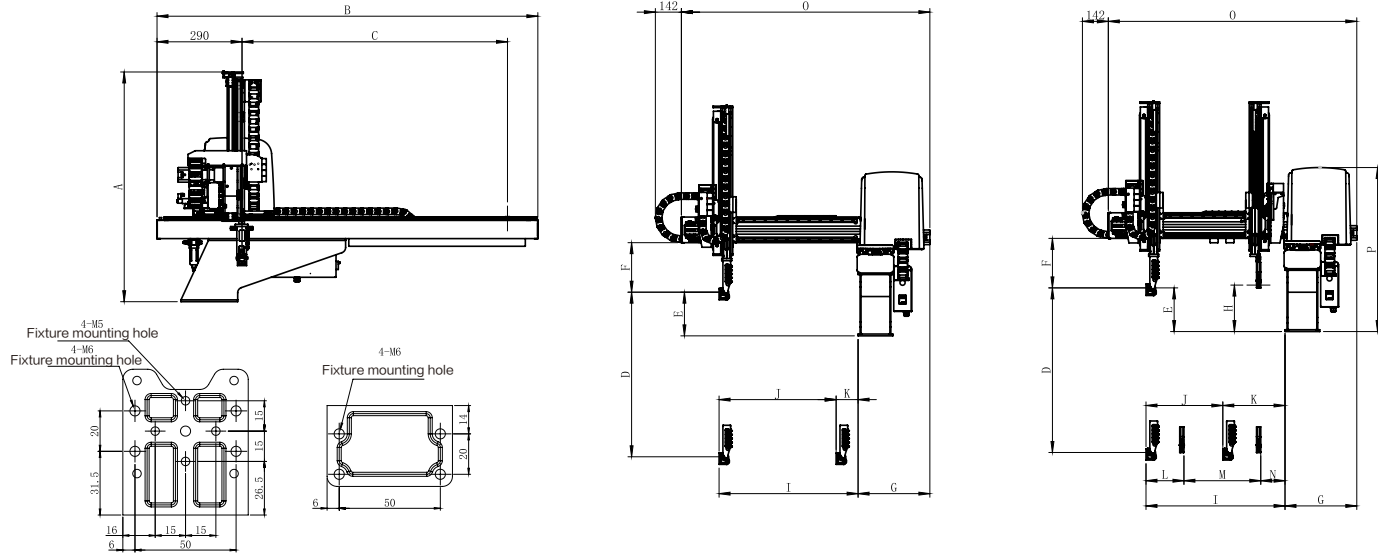
Precision of mold opening

- Automatic and accurate adjustment
 - Support injection molding machine call signals, detect the mold opening position of the injection molding machine, and automatically adjust the stroke
 - Reduce the number of alarms and machine adjustments caused by inaccurate mold precision
- Stability: Reduce production fluctuations - debugging frequency

Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Outer dimensions



Unit: mm		Model	TMEWE-80-90				TMEWE-80-100	
			TMEWE-80-90 -76-14TR	TMEWE-80s-90 -76-14TR	TMEWE-80-90 -76-16TR	TMEWE-80s-90 -76-16TR	TMEWE-80-100 -76-16TR	TMEWE-80s-100 -76-16TR
A	Total height		1260	1260	1260	1260	1320	1320
B	Total length		1900	1900	2080	2080	2080	2080
C	Traverse stroke		1400	1400	1600	1600	1600	1600
D	Main arm vertical stroke		900	900	900	900	1000	1000
E	Main arm standby height		240	240	240	240	240	240
F	Effective space for jig mounting		270	270	270	270	270	270
G	Base internal side to end of the box		392	392	392	392	392	392
H	Sub-arm vertical standby		-	254	-	254	-	254
I	Main arm max. fwd. movement		760	760	760	760	760	760
J	Main arm max. crosswise stroke		640	420	640	420	640	420
K	Main arm min. crosswise standby		120	340	120	340	120	340
L	Min. space between main arm and sub-arm		-	208	-	208	-	208
M	Sub-arm max. crosswise stroke		-	420	-	420	-	420
N	Sub-arm min. crosswise standby		-	132	-	132	-	132
O	Crosswise end to box end		1360	1360	1360	1360	1360	1360
P	Min. height of arm after descending		905	905	905	905	905	905
Q	Jig mounting dimension	Moveable platen	20x50,4xM6/30x30,4xM5					
		Fixed platen	20X50,4xM6					

Note: Same dimensions for positive and negative operation models.

Basic Parameters

Model	Power Supply	Max.Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	Nl/cycle	—	—	kg	mm	s	s	N.m	kg
TMEWE-80-90-76-14TR	AC220 ±10% 50/60HZ	2	0.5~0.7	2.9	AC Servo Motor	90°	4	0.1	1.3	5.4	13.2	200~210
TMEWE-80s-90-76-14TR		2.8	0.5~0.7	2.9			4	0.1	1.3	5.4	13.2	200~210
TMEWE-80-90-76-16TR		2	0.5~0.7	2.9			4	0.1	1.3	5.4	13.2	200~210
TMEWE-80s-90-76-16TR		2.8	0.5~0.7	2.9			4	0.1	1.3	5.4	13.2	220~230
TMEWE-80-100-76-16TR		2	0.5~0.7	2.9			4	0.1	1.3	5.4	13.2	220~230
TMEWE-80s-100-76-16TR		2.8	0.5~0.7	2.9			4	0.1	1.3	5.4	13.2	220~230

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points ×2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
TMEWE-80-90-76-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80s-90-76-14TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80-90-76-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80s-90-76-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80-100-76-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-80s-100-76-16TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

TMDE-120s

Injection Press Range
350-550 ton



Safety



Stability



Adaptability



Topstar link
application platform

Top needle follow

- Real time adjustment of joint torque
- Make the robotic arm respond smoothly to external forces
- Avoid collision damage to the mold
- Safety: Reduce collision injuries

Motor self-adjusting

- According to actual working conditions, the acceleration and deceleration of the motor can be intelligently adjusted, and the equipment can operate stably and efficiently, increasing efficiency by 30%. Resale of equipment due to scale expansion or technological upgrades, T5 retains its value
- Adaptability: Reduce oscillation and overshoot, able to cope with load and environmental changes

Precision of mold opening

- Automatic and accurate adjustment
- Support injection molding machine call signals, detect the mold opening position of the injection molding machine, and automatically adjust the stroke
- Reduce the number of alarms and machine adjustments caused by inaccurate mold precision
- Stability: Reduce production fluctuations - debugging frequency

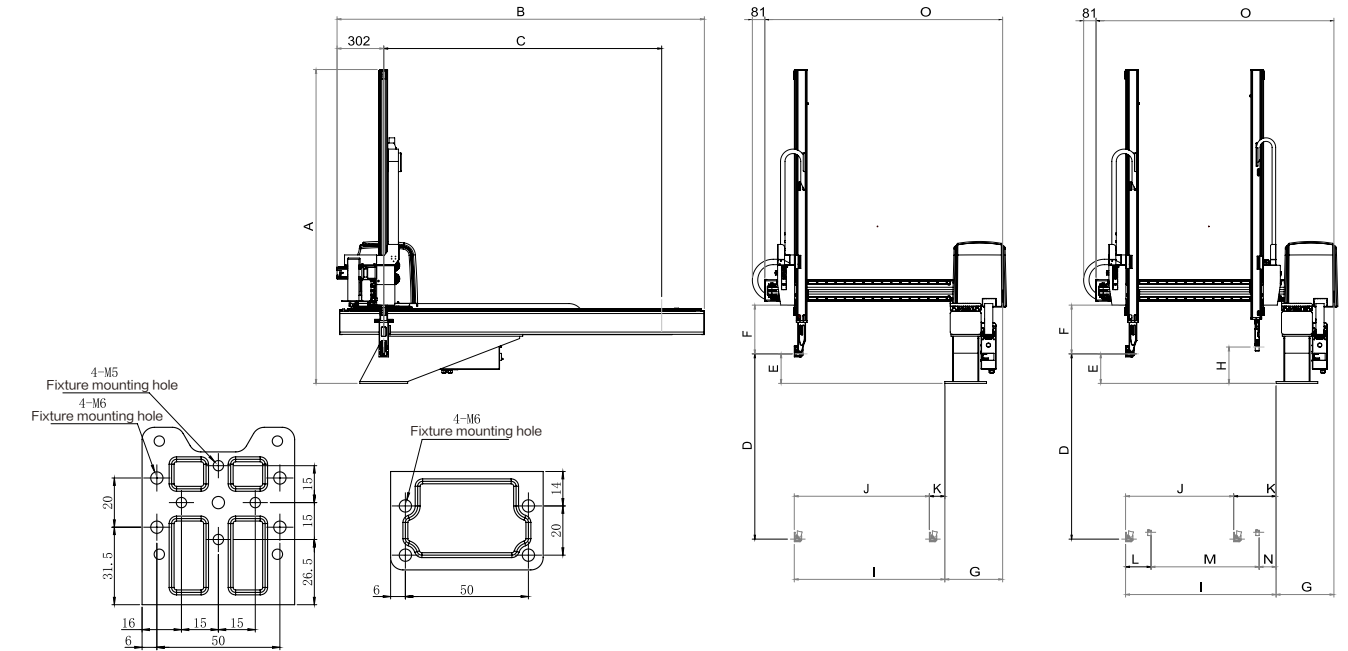
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
TMDE-120-120-97-18TR	AC220 ±10%	2	0.5-0.7	2.9	AC Servo Motor	90°	6	0.1	1.5	5.7	13.2	270-280
TMDE-120s-120-97-18TR	50/60HZ	2.8	0.5-0.7	2.9			6	0.1	1.5	5.7	13.2	290-300

Outer dimensions



Unit: mm	Model	TMDE-120	
		TMDE-120-120-97-18TR	TMDE-120s-120-97-18TR
A	Total height	2030	2030
B	Total length	2380	2380
C	Traverse stroke	1800	1800
D	Main arm vertical stroke	1200	1200
E	Main arm standby height	210	210
F	Effective space for jig mounting	295	295
G	Base internal side to end of the box	375	375
H	Sub-arm vertical standby	-	230
I	Main arm max. fwd. movement	970	970
J	Main arm max. crosswise stroke	870	695
K	Main arm min. crosswise standby	100	275
L	Min. space between main arm and sub-arm	-	165
M	Sub-arm max. crosswise stroke	-	695
N	Sub-arm min. crosswise standby	-	110
O	Crosswise end to box end	1540	1540
P	Min. height of arm after descending	1080	1080
Q	Jig mounting dimension	Moveable platen	20x50,4xM6/30x30,4xM5
		Fixed platen	20X50,4xM6

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
TMDE-120-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMDE-120s-120-97-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

TMEWE-120s

Injection Press Range
350-550 ton



Safety



Stability



Adaptability



Topstar link
application platform



Top needle follow

- Real time adjustment of joint torque
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- Automatic and accurate adjustment
- Support injection molding machine call signals, detect the mold opening position of the injection molding machine, and automatically adjust the stroke
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- Stability: Reduce production fluctuations - debugging frequency

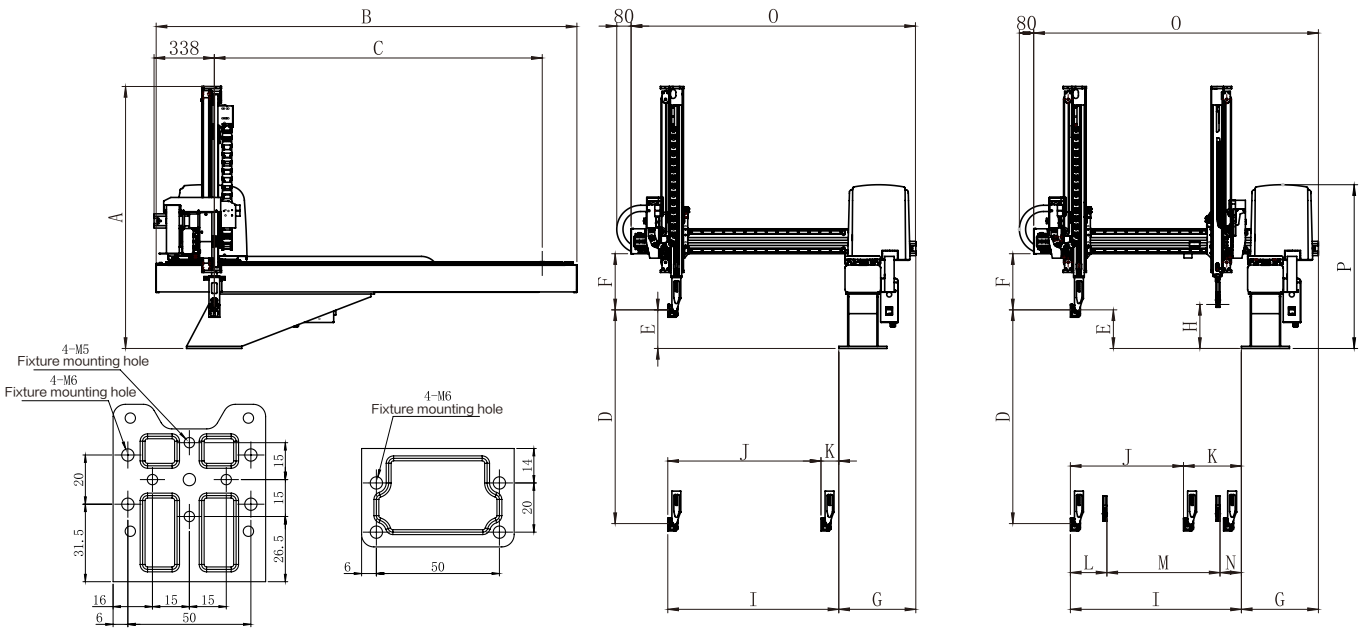
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
TMEWE-120-120-96-18TR	AC220 ±10% 50/60HZ	2	0.5-0.7	2.9	AC Servo Motor	90°	6	0.1	1.4	5.6	13.2	275~285
TMEWE-120s-120-96-18TR		2.8	0.5-0.7	2.9			6	0.1	1.4	5.6	13.2	295~305
TMEWE-120-140-96-18TR		2	0.5-0.7	2.9			6	0.1	1.4	5.6	13.2	295~305
TMEWE-120s-140-96-18TR		2.8	0.5-0.7	2.9			6	0.1	1.4	5.6	13.2	315~325

Outer dimensions



Unit: mm	Model	TMEWE-120-120		TMEWE-120-140	
		TMEWE-120-120-96-18TR	TMEWE-120s-120-96-18TR	TMEWE-120-140-96-18TR	TMEWE-120s-140-96-18TR
A	Total height	1470	1470	1530	1530
B	Total length	2375	2375	2375	2375
C	Traverse stroke	1800	1800	1800	1800
D	Main arm vertical stroke	1200	1200	1400	1400
E	Main arm standby height	215	215	215	215
F	Effective space for jig mounting	290	290	290	290
G	Base internal side to end of the box	375	375	375	375
H	Sub-arm vertical standby	—	220	—	220
I	Main arm max. fwd. movement	960	960	960	960
J	Main arm max. crosswise stroke	860	630	860	630
K	Main arm min. crosswise standby	100	330	100	330
L	Min. space between main arm and sub-arm	—	210	—	210
M	Sub-arm max. crosswise stroke	—	630	—	630
N	Sub-arm min. crosswise standby	—	120	—	120
O	Crosswise end to box end	1540	1540	1540	1540
P	Min. height of arm after descending	930	930	930	930
Q	Jig mounting dimension	20x50,4xM6/30x30,4xM5			
	Moveable platen	20X50,4xM6			
	Fixed platen				

Note: Same dimensions for positive and negative operation models.

Configuration table

Model	8 independent packaging motion	Free packaging motion(115points × 2stage)	Posture midway descent at release side	Ejector Forward and Backward Coordinated Movement	Defective product reject circuit	Delayed arm descent	Runner release within mold	Start signal of circuit	Internal memory (for Max 100 molds)	Two language exchange (Chinese/ English)	NT gate cutting on crossmember of moving	Rotation unit	EURO-MAP 12	EURO-MAP 67
TMEWE-120-120-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120s-120-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120-140-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
TMEWE-120s-140-96-18TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

Note: Standard function "●", optional function "○" and "-" indicates none.

HDW-80 II

Injection Press Range
100-300 ton

- 

Safety
- 

Stability
- 

Adaptability
- 

Topstar link
application platform



High performance

- Control system independent research, irregularly-updated software, can be upgraded for life, can be developed and customized according to customer needs.
- Built-in dual-system, customer-free choice.
- Standard RS485 communication interface, Support the MODBUS RTU communication protocol.
- Standard 2 vacuum circuit 2 air circuit function, reserve 11 inputs and 11 outputs.

High speed

- Optional imported whole set of Panasonic servo motors (rotate speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

High energy-saving effect

- Add the servo drive automatic OFF function, stopped servo motor power when robot was standby status, saving 10% of electricity.

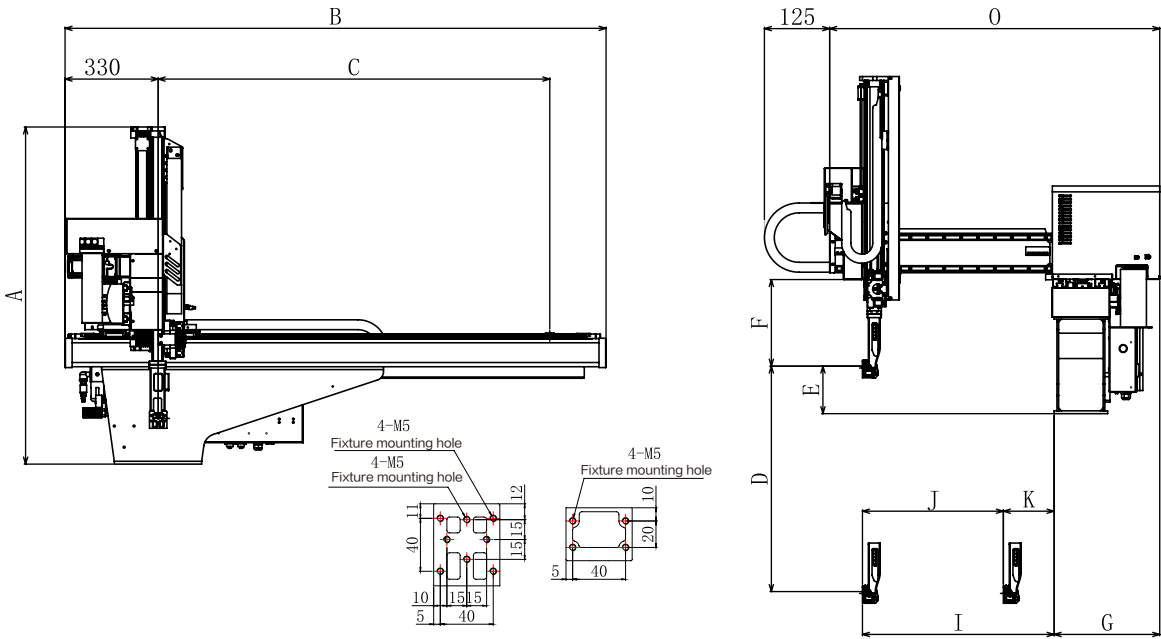
Topstar link application platform

- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Posture (Air Cylinder)	Max.Load	Repeated Positioning Accuracy	Minimum take-out time	Dry cycle time (excluding fixtures)	Posture Torque	Net Weight
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm	s	s	N.m	kg
HDW-80-90-68-16TR	AC220 ±10% 50/60HZ	2	0.5~0.7	8	AC Servo Motor	90° Fixed	3	0.1	0.7	3.9	6.0	270~290

Outer dimensions



Unit: mm		Model	HDW-80 II
			HDW-80 II-90-68-16TR
A	Total height		1310
B	Total length		2160
C	Traverse stroke		1600
D	Main arm vertical stroke		900
E	Main arm standby height		170
F	Effective space for jig mounting		330
G	Base internal side to end of the box		375
H	Sub-arm vertical standby		-
I	Main arm max. fwd. movement		680
J	Main arm max. crosswise stroke		500
K	Main arm min. crosswise standby		180
L	Min. space between main arm and sub-arm		-
M	Sub-arm max. crosswise stroke		-
N	Sub-arm min. crosswise standby		-
O	Crosswise end to box end		1170
P	Min. height of arm after descending		880
Q	Jig mounting dimension	Moveable platen	40x40, 4xM5 / 30x30, 4xM5
		Fixed platen	20x40, 4xM5

Note: Same dimensions for positive and negative operation models.

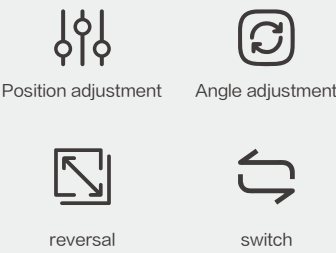
Configuration table

Model	Packaging motion(Max. 256 points)	Free packaging motion(115points × 2stage)	Forward and rotate at removing side	Posture control during traverse	Posture midway descent at release side	Ejector link	Defective product reject circuit	Initial defective product reject circuit	Start signal of conveyor	Internal memory (for Max.100 molds)	Two language exchange (Chinese/English)	Additional vacuum sensing unit (4 circuits)	Product gripping 4 circuits	EURO-MAP 12	EURO-MAP 67	Ejector return link
HDW-80-90-68-16TR	●	●	●	●	●	●	●	●	●	●	●	○	○	○	○	○

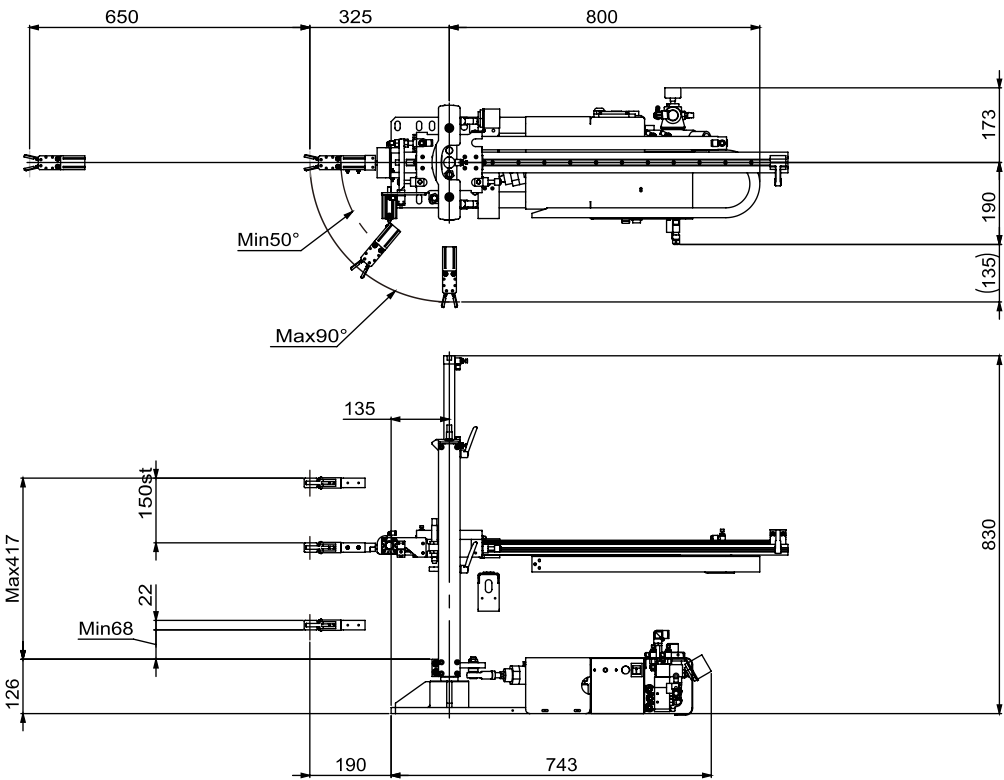
Note: Standard function "●", optional function "○" and "-" indicates none.

L-650[V]

Injection Press Range
80-100 ton



Outer dimensions



Vertical standby position adjustment function with handle.

- Adjustment of top and bottom direction of entry position to mold is possible by turning the handle.

Rotation angle adjustment function

- Simple machine adjustment makes it possible to change the direction of rotation and to adjust the rotation angle

Chuck part reversal function

- Sprue runner release is performed smoothly by chuck twist

Extraction from fixed & moving side mold

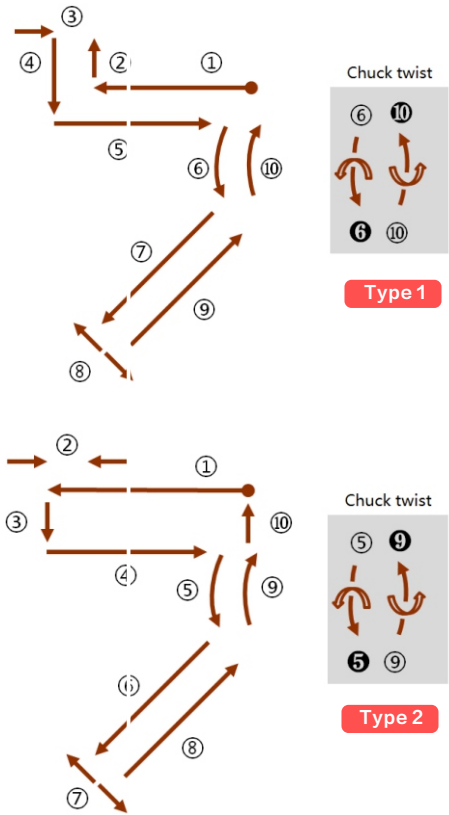
- Sprue runner of fixed part mold can be extracted

Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Chuck twist	Max.Load	Stroke			Net Weight
								Vertical	Crosswise	Swing	
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm			kg
L-650[V]	AC220V ±10% 50/60HZ	0.1	0.5~0.7	15.1	Air Cylinder	180°	2 【 Incl Chuck Weight 】	120	650	50~90° 【 0°Fixed 】	30

Motion pattern

Type 1	Type 2
① Crosswise advance	① Crosswise advance
② Ascent	② Sprue grip
③ Sprue grip	③ Crosswise retreat
④ Crosswise retreat	④ Retreat
⑤ Retreat	⑤ Swing action
⑥ Swing action	⑤ Chuck twist
⑥ Chuck twist	⑥ Crosswise advance
⑦ Crosswise advance	⑦ Sprue release
⑧ Sprue release	⑧ Retreat
⑨ Retreat	⑨ Swing return
⑩ Swing return	⑨ Chuck twist return
⑩ Chuck twist return	⑩ Crosswise advance

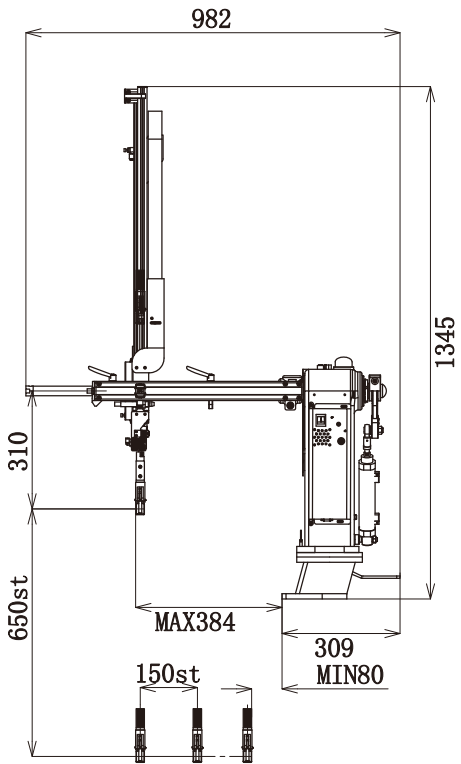
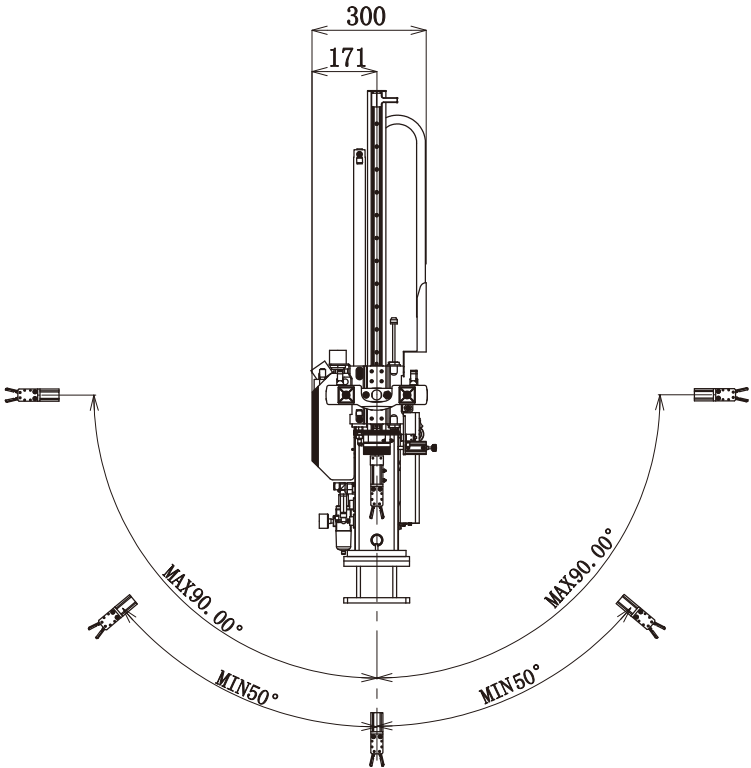


X-650[V]

Injection Press Range
80-100 ton



Outer dimensions

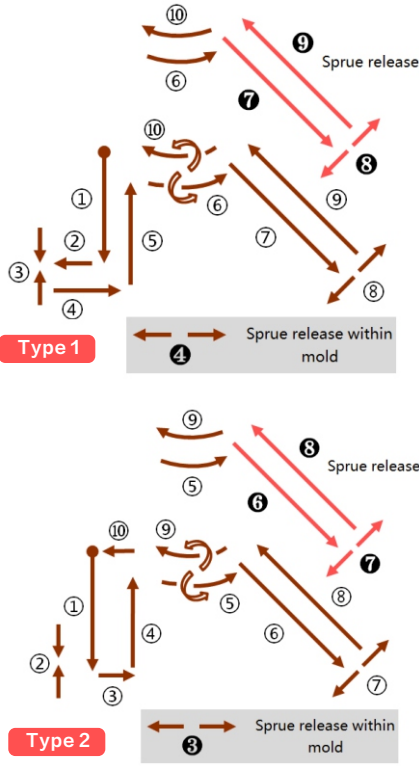


Basic Parameters

Model	Power Supply	Max Power Consumption	Air Pressure	Air Consumption	Drive System	Chuck twist	Max.Load	Stroke			Net Weight
								Vertical	Crosswise	Swing	
Unit	V	KW	Mpa	NI/cycle	—	—	kg	mm			kg
X-650[V]	AC220V ±10% 50/60HZ	0.1	0.5~0.7	17.7	Air Cylinder	90°	2 【 Incl Chuck Weight 】	650	120	50~90° 【 0°Fixed 】	52

Motion pattern

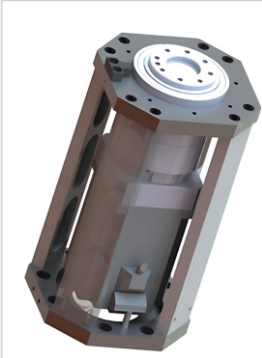
Type 1	Type 2
① Descent	① Descent
② Crosswise advance	② Product grip
③ Product grip	③ Crosswise retreat
④ Crosswise retreat	③ Product release within mold
④ Product release within mold	④ Ascent
⑤ Ascent	⑤ Swing action
⑥ Swing action	Chuck twist (product side)
Chuck twist (product side)	⑥ Arm extend
⑦ Arm extend	⑦ Product release
⑧ Product release	⑧ Arm retreat
⑨ Arm retreat	⑨ Swing return
⑩ Swing return	Chuck twist return (product side)
Chuck twist return(product side)	⑩ Crosswise advance



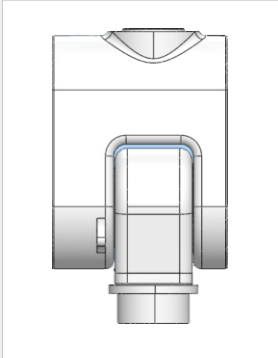
Robot Optional items



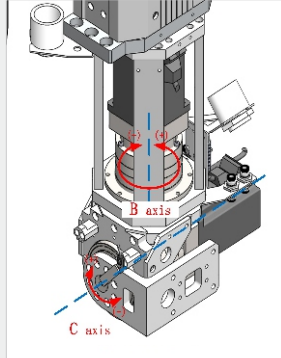
C axis



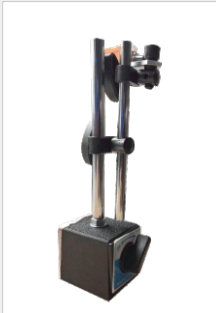
B axis



Servo rotation + flip
(AC axis)



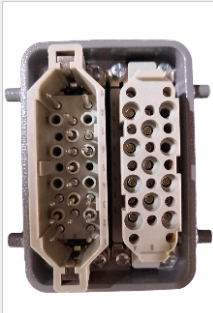
Servo rotation + flip
(BC axis)



Middle plate sensor



Euromap12



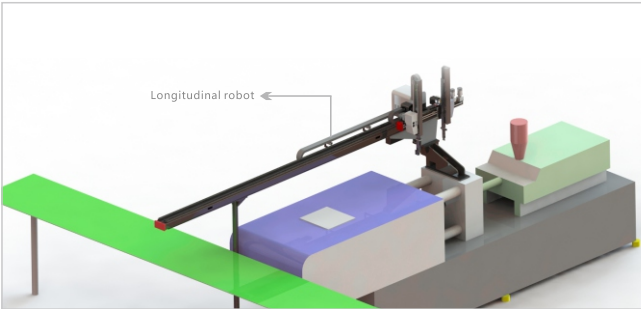
Euromap67



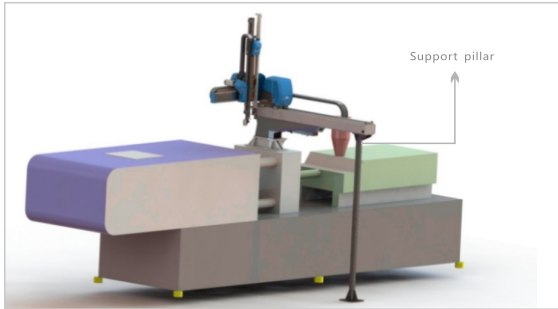
Electric lubricating
pump



Manual lubricating
pump



Longitudinal robot application case



Support pillar application case

CHAPTER OF SERVICE

AFTER-SALE SERVICE

We launched the "4 fast" standard service



Fast Response

Quickly respond to customer needs, collect customer site information and record the failure, give reasonable maintenance Suggestions;



Fast Arrival

Quickly arrive at customer site for equipment maintenance;



Fast Processing

Quickly processing to help customers adjust the equipment to the best state in the first time;



Fast Acceptance

Quickly complete the service project acceptance.

Global Service Net



Sincerely Appreciate

Over 15000 customer have witnessed TOPSTAR growth and long supports

