

MDE-50 V MDE-50s V

注塑机锁模力 Injection Press Range
30-100 ton



高精度
High precision



高性能
High performance



高速度
High speed



高节能效果
High energy-saving effect



拓星链应用平台
Topstar link application platform



高精度 High precision

- 主臂采用Q235材质结构稳定，重复定位精度高，可满足各种非标埋入动作。
- The main arm with the Q235 material, Stable structure, and High accuracy of repeated positioning, which can meet various non-standard insert motions.

高性能 High performance

- 控制系统自主研发，软件不定期更新，终身可升级，可根据客户需求研发定制；
- 内置双系统客户自由选择；
- 增加各轴软化功能，防止模开距离变动导致取不到产品或撞坏手臂；
- 标配RS485通讯接口，支持MODBUS RTU通讯协议；
- 标配2吸2抱功能，预留11个输入11个输出。
- 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.

高速度 High speed

- 可选配进口多摩川马达（转速可达6000r/min）；
- 最高转速提升10%，加减速时间缩减20%。
- Optional imported Domawa motor (rotation speed can reach 6000r/min).
- The maximum rotate speed increases 10%, and the accelerate and decelerate time reduced 20%.

高节能效果 High energy-saving effect

- 共直流母线技术节能10%，电力成本降低10%；
- 增加伺服自动OFF功能，待机伺服马达停止通电，节省用电10%。
- 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.

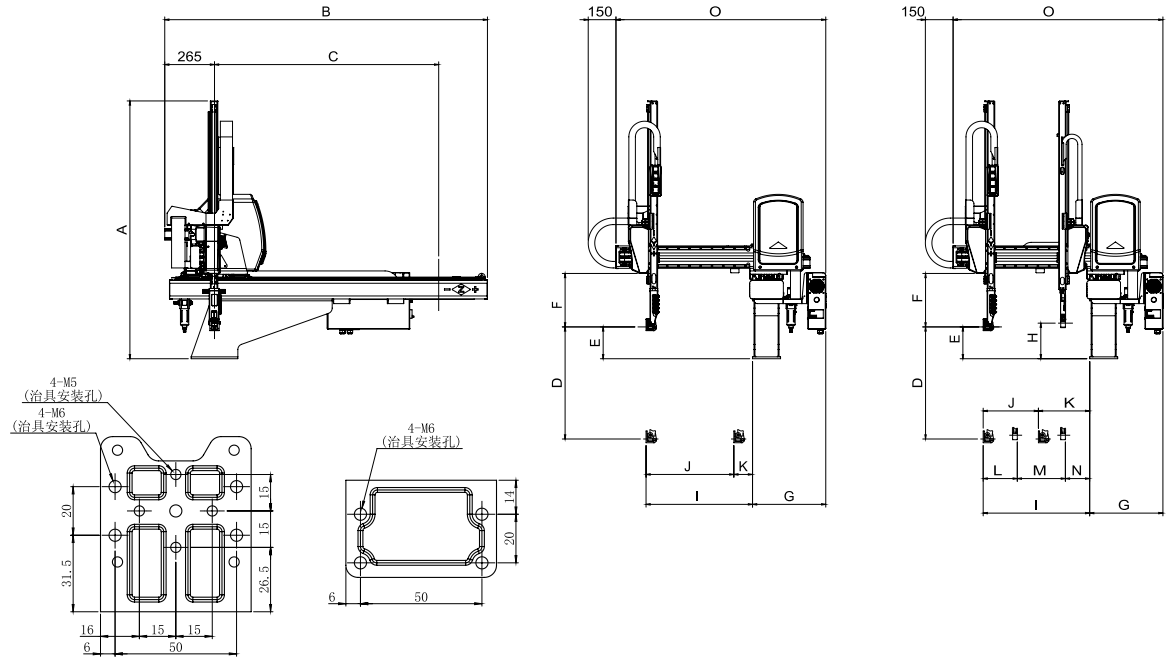
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- 实时远程监控，设备运行数据统计、分析及寿命管理。
- Real-time remote monitoring, data statistics, analysis and life management of equipment operation.

基本参数 Basic Parameters

机型 Model	电源 Power Supply	最大消费电力 Max Power Consumption	使用气压 Air Pressure	空气消费量 Air Consumption	驱动方式 Drive System	姿势(气缸) Posture (Air Cylinder)	最大可搬重量 Max.Load	重复定位精度 Repeated Positioning Accuracy	最小取出时间 Minimum take-out time	空循环时间 (不含治具) Dry cycle time (excluding fixtures)	姿势力矩 Posture Torque	本体重量 Net Weight
单位 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	伺服马达 / 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			3	0.1	1.2	5.4	13.2	180~190

外形尺寸 Outer dimensions



单位: mm Unit: mm	机型 Model	MDE-50V-60	
		MDE-50V-60-57-12TR	MDE-50sV-60-57-12TR
A	总高 Total height	1380	1380
B	总长 Total length	1730	1730
C	走行行程 Traverse stroke	1200	1200
D	主臂上下行程 Main arm vertical stroke	600	600
E	主臂上下待机 Main arm standby height	185	185
F	夹具安装有效空间 Effective space for jig mounting	270	270
G	基座里侧面-箱体末端 Base internal side to end of the box	310	310
H	副臂上下待机 Sub-arm vertical standby	-	185
I	主臂前进最大值 Main arm max. fwd. movement	570	570
J	主臂前进最大行程 Main arm max. crosswise stroke	470	320
K	主臂前后待机最小值 Main arm min. crosswise standby	100	250
L	主副臂接近最小值 Min. space between main arm and sub-arm	-	120
M	副臂前进最大行程 Sub-arm max. crosswise stroke	-	320
N	副臂前后待机最小值 Sub-arm min. crosswise standby	-	130
O	前后臂末端-箱体末端 Crosswise end to box end	1125	1125
P	手臂下降后最小高度 Min. height of arm after descending	970	970
Q	治具安装尺寸 Jig mounting dimension	20x50,4xM6/30x30,4xM5	
	动模面 Moveable platen 定模面 Fixed platen	20X50,4xM6	

注: 正反向尺寸一致 Note: Same dimensions for positive and negative operation models.

配置表 Configuration table

机型 Model	8个独立 装箱动作 8 independent packaging motion	自由装箱 点 (115点 ×2处) Free packaging motion(115points ×2stage)	落下测下降 途中姿势 Posture midway descent at release side	顶针前进 后退连动 Ejector Forward and Backward Coordinated Movement	不良品 排出回路 Defective product reject circuit	取出下 降待机 Delayed arm descent	水口模 内开放 Runner release within mold	输送带 启动信号 Start signal of circuit	内部存储记忆 (最大100种 类型) Internal memory (for Max 100 molds)	2国语言切换 (中文, 英文) Two language exchange (Chinese/ English)	NT剪切 ·可动侧 NT gate cutting on crossmember of moving	回转 单元 Rotation unit	欧规 12 EURO- MAP 12	欧规 67 EURO- MAP 67
MDE-50V-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○
MDE-50sV-60-57-12TR	●	●	●	●	●	●	●	●	●	●	○	○	○	○

注: 标配功能 “●”、选配功能 “○” 和 “-” 表示无。 Note: Standard function "●", optional function "○" and "-" indicates none.