

## 注塑用机械手

### TAKE-OUT ROBOT

**MDE-80**  
**MDE-80s**



#### 标准功能 STANDARD FUNCTION

- 包装动作 (多轴256点)  
Packaging motion (Max. 256 points)
- 自由轨迹点 (115点 × 2轴)  
Free trajectory motion (115 points × 2 stage)
- 取出侧进姿势控制  
Forward and rotate at removing side
- 行走途中姿势  
Posture control during traverse
- 落下途中姿势  
Posture midway descent at release side
- 顶针连动  
Ejector link
- 不良品排出回路  
Defective product reject circuit
- 初期不良品排出回路  
Initial defective product reject circuit
- 取出下降待机  
Delayed arm descent
- 胶口途中开放 (去程, 返程)  
Midway runner release (Move, Revert)
- 水口横刃开放  
Runner release within mold
- 吸着确认单元 (2回路)  
Additional vacuum sensing unit (2 circuit)
- 横行走待机  
Delayed traverse
- 溶胶取出回路  
Unmelt extract circuit
- 输送带启动信号  
Start signal of conveyor
- 内部存储记忆 (最大100种类型)  
Internal memory (for Max 100 molds)
- 设定值锁定功能  
Lock function of setting value
- 固定可切换  
Extraction from fixed mold
- 2国语言切换 (中文, 英文)  
Two language exchange (Chinese/English)

#### 型式 MODEL

#### 单位 UNIT MDE-80 MDE-80s

电源 Power Source	V	AC220 ± 10%	50/60Hz
最大消费电力 Max Power Consumption	KW	1.3	2.1
使用气压 Air Pressure	Mpa	0.5 ~ 0.7	
空气消费量 Air Consumption	lit/cycle	2.9	
驱动方式 Drive System	---	伺服马达 / AC Servo Motor	
姿势 (气缸) Posture (Air Cylinder)	---	90°固定 / 90°Fixed	
■ 气缸推力 (气压0.49MPa时) Air Cylinder Driving Force (Air Pressure at 0.49MPa)	Kg	5	[含夹具重量 / Incl Chuck Weight]
最大可搬重量 Max. Load	N · m	10.1	
姿势扭矩 Posture Torque	mm	800/900	800/900
■ 行程 Stroke	mm	---	850/950
主臂上下 Main-arm Vertical	mm	---	主臂/M 255 ~ 790 副臂/S 110 ~ 645
副臂上下 Sub-arm Vertical	mm	---	1400/1600
前后(主臂/副臂) Crosswise (M,S)	mm	---	
行走 Traverse	mm	---	
■ 本体重量 Net Weight	Kg	221	
操作盒 Pendant	Kg	1.6	

#### 外形尺寸 OUTER DIMENSIONS

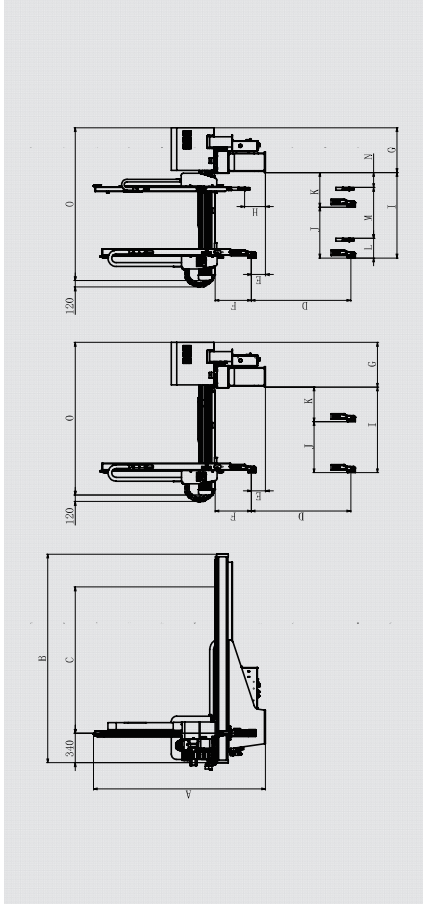
#### MDE-80 MDE-80s

A 总高 Overall height	1520(1640)mm	1590(1710)mm
B 总长 Overall length	1930(2110)mm	
C 总行程 Traverse stroke	1400(1600)mm	
D 主臂上下行程 Main-arm vertical stroke	800 ( 900 ) mm	
E 主臂上下待机 Main-arm vertical standby	130mm	
F 夹具安装有效空间 Bottom of crosswise to chuck mount position	350mm	
G 基座侧面-箱体末端 Base side face-Box end	410 mm	
H 副臂上下待机 Sub-arm vertical standby	---	180 mm
I 主臂前进最大值 Main-arm reach max	790 mm	
J 主臂前进最大行程 Main-arm crosswise stroke max	630 mm	460 mm
K 主臂前后待机最小值 Main-arm crosswise standby min	120 mm	255 mm
L 主臂接近最小值 Main/Sub-arm proximity min	---	145 mm
M 副臂前进最大行程 Sub-arm crosswise stroke max	---	460 mm
N 副臂前后待机最小值 Sub-arm crosswise standby min	---	110 mm
O 前后臂末端-箱体末端 Crosswise arm end-Box end	1405 mm	

- 当尺寸C是1400mm时, 尺寸B为1930mm
- 当尺寸C是1400mm, B是1930mm
- 当机械手为三轴时, 尺寸D是800mm时, 尺寸A为1520mm
- When the manipulator is triaxial and D is 800, dimension A is 1520.
- 当机械手为五轴时, 尺寸D是800mm时, 尺寸A为1590mm
- When the manipulator is five axis and D is 800, dimension A is 1590.

- 当尺寸C是1600mm时, 尺寸B为2110mm
- When dimension C is 1600mm, B is 2110mm

- 当机械手为三轴时, 尺寸D是900mm时, 尺寸A为1640mm
- When the manipulator is triaxial and D is 900, dimension A is 1640.
- 当机械手为五轴时, 尺寸D是900mm时, 尺寸A为1710mm
- When the manipulator is five axis and D is 900, dimension A is 1710.



#### 选项功能 OPTION FUNCTION

- 夹具内剪刀回路  
Air nipper in chuck circuit
- NT剪切·可动侧  
NT gate cutting on crossmember of moving
- 吸着确认回路  
Additional vacuum sensing unit ( 4 circuits )
- 制品夹取回路  
Product gripping 4 circuits
- 上升途中闭锁  
Mold close during ascend
- 回转单元  
Rotation unit
- 顶针后退连动  
Ejector return link
- 欧洲12  
EUROMAP12
- 欧洲87  
EUROMAP 67