



# ES-1200V ES-1200sV

适用注塑机吨位：350-650ton  
Injection Press Range:350-650ton



## ES-V

### 全新操作盒 性能提升

New pendant with improved performance

搭配电容式触摸屏，实现智能操作

Equipped with capacitive touch screen , realized intelligent operation

## 综合参数 | GENERAL SPECIFICATIONS

| 电 源<br>Power Source                              | 常用气压<br>Air Pressure | 驱动方式<br>Drive System     | 姿势(气缸)<br>Posture (Air Cylinder) | 气动姿势部推力(气压: 0.5Mpa时)<br>Air Cylinder Driving Force (Air Pressure at 0.5Mpa) |                     | 控制箱<br>Control Box |
|--------------------------------------------------|----------------------|--------------------------|----------------------------------|-----------------------------------------------------------------------------|---------------------|--------------------|
|                                                  |                      |                          |                                  | 最大可搬重量 Max. Load                                                            | 姿势力矩 Posture Torque |                    |
| AC200V+20% / -10%<br>50/60Hz(单相)<br>Single Phase | 0.5Mpa               | AC伺服马达<br>AC Servo Motor | 90° 固定<br>90° Fixed              | 标准姿势部: 10kg[12kg]<br>(含夹具重量)<br>Incl. Chuck Weight                          | 59.0N·m             | ES-V               |

| 机 种<br>Model | 行程(移动量)(mm) Stroke |                    |                        |                                    | 电源设备容量<br>(KVA)<br>Electric<br>Consumption | 最大消费电力<br>(KW)<br>Max Power<br>Consumption | 机器重量(kg) Net Weight |                | 空气消耗量<br>(NL/周期)<br>Air Consumption<br>(NL/Cycle) |
|--------------|--------------------|--------------------|------------------------|------------------------------------|--------------------------------------------|--------------------------------------------|---------------------|----------------|---------------------------------------------------|
|              | 制品上下<br>Ⓟ Vertical | 水口上下<br>Ⓡ Vertical | 前 后<br>Crosswise       | 走 行<br>Traverse                    |                                            |                                            | 本 体<br>Main Body    | 操作盒<br>Pendant |                                                   |
| ES-1200V     | 1200<br>[1400]     | —                  | 140~1240               | 1800<br>[1600]<br>[2000]<br>[2200] | 2.9                                        | 1.7                                        | 460                 | 1.7            | 4.85                                              |
| ES-1200sV    |                    | 1250<br>[1450]     | Ⓟ270~1240<br>Ⓡ 82~1052 |                                    | 3.5                                        | 2.1                                        | 487                 |                |                                                   |

○ [ ] 尺寸表示选项行程。

○ 本体重量包括控制箱及电缆线的重量。

○ Ⓟ 表示制品侧手臂，Ⓡ 表示水口侧手臂。

○ Figure in [ ] shows option stroke.

○ Net weight includes the weight of interlock box and driver box.

○ In the column of stroke, Ⓟ stands for product side arm and Ⓡ stands for runner side arm.

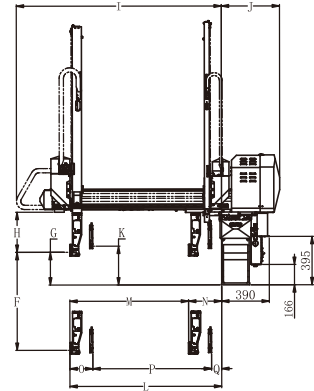
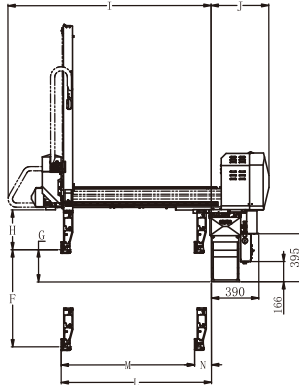
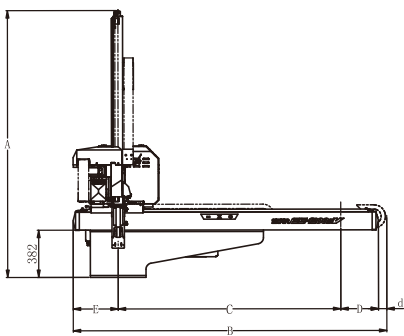
## 标准功能 | STANDARD FUNCTIONS

|                                |                                                                                                              |                                                                                                 |                                                                                                        |                                                                               |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 取出侧<br>Product Extract<br>Side | <input checked="" type="checkbox"/> 取出下降待机<br>Descent stand-by                                               | <input checked="" type="checkbox"/> 前进取出侧姿势控制<br>Crosswise product extract side posture control | <input checked="" type="checkbox"/> 吸着确认单元(1回路)<br>Vacuum confirmation unit (1circuit)                 | <input checked="" type="checkbox"/> 自由滑移取出<br>Free extract for under-cut mold |
|                                | <input checked="" type="checkbox"/> 顶针联动<br>Ejector link                                                     | <input checked="" type="checkbox"/> 顶针后退联动<br>Ejector return link                               | <input checked="" type="checkbox"/> 水口模内开放<br>Runner release within mold                               | <input checked="" type="checkbox"/> 前后自由伺服点<br>Crosswise Free Servo point     |
| 走行<br>Traverse                 | <input checked="" type="checkbox"/> 走行途中姿势<br>Posture control during traverse                                | <input checked="" type="checkbox"/> 浇口途中落下(走行•复归)<br>Midway sprue release (Traverse•Return)     | <input checked="" type="checkbox"/> 初期成型品排出<br>Initial products release                                |                                                                               |
|                                | <input checked="" type="checkbox"/> 横走行待机<br>Delayed traverse                                                | <input checked="" type="checkbox"/> 不良品排出<br>Defective product reject                           | <input checked="" type="checkbox"/> 水口途中开放(走行•复归)<br>Midway Runner Release(Traverse•Return)            |                                                                               |
| 落下侧<br>Product Release<br>Side | <input checked="" type="checkbox"/> 落下侧下降途中姿势<br>Posture midway descent at release side                      | <input checked="" type="checkbox"/> 装箱点(各轴256点)<br>Point packaging( Max 256 points)             | <input checked="" type="checkbox"/> 自由装箱点(8级, 共1024点)<br>Point free packaging ( 8 stage ,1024 points ) | <input checked="" type="checkbox"/> 输送带启动信号<br>Start signal of conveyor       |
|                                |                                                                                                              |                                                                                                 |                                                                                                        |                                                                               |
| 其它<br>Other                    | <input checked="" type="checkbox"/> 3国语言切换(中文、日文、英文)<br>Three language exchange (Chinese, Japanese, English) | <input checked="" type="checkbox"/> 平滑移动<br>Smoothing Move                                      | <input checked="" type="checkbox"/> 速度切换<br>Speed Change                                               | <input checked="" type="checkbox"/> 伺服休眠<br>Servo sleep feature               |
|                                | <input checked="" type="checkbox"/> 固定模式-全开放切换<br>ModeType-FullINC type change                               | <input checked="" type="checkbox"/> USB通信端口<br>USB communication port                           | <input checked="" type="checkbox"/> Iot功能<br>Iot function                                              | <input checked="" type="checkbox"/> 背景灯自动OFF<br>Backlight Auto OFF            |
|                                | <input checked="" type="checkbox"/> 操作权限分级管理<br>Operation authorization management                           | <input checked="" type="checkbox"/> 分步教示功能<br>Step by step Teaching function                    | <input checked="" type="checkbox"/> 生产管理<br>Production Management                                      | <input checked="" type="checkbox"/> 数据管理<br>Data management                   |

## 选项功能 | OPTION FUNCTIONS

|                                |                                                                                         |                                                                                          |                                                                                                         |
|--------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 取出侧<br>Product Extract<br>Side | <input type="checkbox"/> 吸着2点开放<br>Release products at two different<br>points W/Vacuum | <input type="checkbox"/> 吸着4点开放<br>Release products at four different<br>points W/Vacuum | <input type="checkbox"/> 夹具减压阀<br>Chuck pressure regulator                                              |
|                                | <input type="checkbox"/> 旋转功能<br>Rotation Unitregulator                                 | <input type="checkbox"/> 上升途中闭模<br>Mold close during arm ascent                          | <input type="checkbox"/> 制品确认(L4)<br>Product confirmation L4                                            |
| 落下侧<br>Product Release<br>Side | <input type="checkbox"/> 剪切回路(夹具内)<br>Air nipper in chuck circuit                       | <input type="checkbox"/> 制品2点开放<br>Release products at two<br>different points           | <input type="checkbox"/> 制品4点开放<br>Release products at four<br>different points                         |
|                                |                                                                                         |                                                                                          | <input type="checkbox"/> NT剪切·可动侧(有单元)<br>NT gate cutting on crossmember of moving<br>mold side(W/unit) |
| 其它<br>Other                    | <input type="checkbox"/> 警报灯(红色,无蜂鸣器)<br>Alarm Lamp (Red color,w/o buzzer)              | <input type="checkbox"/> 自动快速交换用夹具(气压式)<br>Quick chuck change automatic (air sw)         | <input type="checkbox"/> 欧规12(SPI)<br>EUROMAP 12 (SPI)                                                  |
|                                |                                                                                         |                                                                                          | <input type="checkbox"/> 欧规67<br>EUROMAP 67                                                             |
|                                |                                                                                         |                                                                                          | <input type="checkbox"/> 操作盒支架<br>Pendant stand                                                         |

## 外观尺寸 | OUTER DIMENSIONS



| 外形尺寸(mm)   OUTER DIMENSIONS            | ES-1200V                                                           | ES-1200sV                |                                                                                          |
|----------------------------------------|--------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------|
| A 全高 / Overall height                  | 2123[2363] <sup>*1</sup>                                           | 2160[2400] <sup>*1</sup> | ○[ ]内的尺寸表示选项行程。                                                                          |
| B 全宽 / Overall width                   | 2469[2469] <sup>*2</sup> [2869] <sup>*3</sup> [2869] <sup>*4</sup> |                          | ○水口夹的厚度为25mm。                                                                            |
| C 走行行程 / Traverse stroke               | 1800[1600] <sup>*2</sup> [2000] <sup>*3</sup> [2200] <sup>*4</sup> |                          | ○姿势部厚度为97mm。但根据配管方式不同,此尺寸多少会有些不同。                                                        |
| D 落下侧突出位置 / Overhang, release side     | 304                                                                |                          | ○水口侧上下行程比制品侧上下行程长50mm。                                                                   |
| E 取出侧突出位置 / Overhang, product side     | 365[565] <sup>*2</sup> [565] <sup>*3</sup> [365] <sup>*4</sup>     |                          | ○*1表示F尺寸为1400mm。                                                                         |
| F ② 制品侧上下行程 / ② Vertical stroke        | 1200[1400] <sup>*1</sup>                                           |                          | ○*2表示C尺寸为1600mm。                                                                         |
| G ② 制品侧上下待机位置 / ② Vertical standby     | 266                                                                |                          | ○*3表示C尺寸为2000mm。                                                                         |
| H 基座高度 / Base height                   | 328                                                                |                          | ○*4表示C尺寸为2200mm。                                                                         |
| I 前后单元 / Crosswise arm                 | 1675                                                               |                          | ○Figure in [ ] shows option stroke.                                                      |
| J 本体厚度 / Thickness                     | 466                                                                |                          | ○Thickness of runner chuck is basically about 25 mm.                                     |
| K ② 水口侧上下待机位置 ② Vertical standby       | —                                                                  | 316                      | ○Thickness of posture area is basically about 69 mm (depends on tubing).                 |
| L ② 制品前进MAX ② Crosswise reach max      | 1240                                                               |                          | ○Runner side vertical stroke is 50 mm longer than that of product side.                  |
| M ② 制品前后行程MAX ② Crosswise stroke max   | 1100                                                               | 970                      | ○*1 When dimension F is 1400 mm.                                                         |
| N ② 制品前后待机MIN ② Crosswise stroke max   | 140                                                                | 270                      | ○*2 When dimension C is 1600 mm.                                                         |
| O ② ② 制品臂、水口臂接近MIN ② Proximity min     | —                                                                  | 188                      | ○*3 When dimension C is 2000 mm.                                                         |
| P ② 水口侧前后行程MAX ② Crosswise stroke max  | —                                                                  | 970                      | ○*4 When dimension C is 2200 mm.                                                         |
| Q ② 水口侧前后待机MIN ② Crosswise standby min | —                                                                  | 82                       | ※ D值反操作时为349                                                                             |
|                                        |                                                                    |                          | E值反操作时为320, [520] <sup>*2</sup> , [520] <sup>*3</sup> , [320] <sup>*4</sup>              |
|                                        |                                                                    |                          | ※ As anti-operator side D is 349                                                         |
|                                        |                                                                    |                          | E is 320, [520] <sup>*2</sup> , [520] <sup>*3</sup> , [320] <sup>*4</sup>                |
|                                        |                                                                    |                          | ※ d值正操作时为57, [57] <sup>*2</sup> , [57] <sup>*3</sup> , [57] <sup>*4</sup>                |
|                                        |                                                                    |                          | 反操作时为0, [0] <sup>*2</sup> , [0] <sup>*3</sup> , [0] <sup>*4</sup>                        |
|                                        |                                                                    |                          | ※ As operator side d is 57, [57] <sup>*2</sup> , [57] <sup>*3</sup> , [57] <sup>*4</sup> |
|                                        |                                                                    |                          | anti-operator side d is 0, [0] <sup>*2</sup> , [0] <sup>*3</sup> , [0] <sup>*4</sup>     |

●因改良等原因,规格及外观有所变更时,不再另行通知,敬请包涵。All stated here is subject to change without advance notice.

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