

## 2.1.6.1.1 Hyundai Robot YS100

### ข้อมูลทางเทคนิค

| Item                |    | Specification          |                             |
|---------------------|----|------------------------|-----------------------------|
| Model               |    | YS100                  |                             |
| Payload             |    | 100 kg                 |                             |
| Structure           |    | Articulated            |                             |
| Degree of freedom   |    | 6 Axes                 |                             |
| Max. Motion Range   | S  | Swivel                 | $\pm 180^\circ$             |
|                     | H  | Horizontal             | $+250^\circ \sim -90^\circ$ |
|                     | V  | Vertical               | $+10^\circ \sim -265^\circ$ |
|                     | R2 | Rotating 2             | $\pm 180^\circ$             |
|                     | B  | Bending                | $\pm 130^\circ$             |
|                     | R1 | Rotation 1             | $\pm 360^\circ$             |
| Max. Speed          | S  | Swivel                 | 105 %/s                     |
|                     | H  | Horizontal             | 103 %/s                     |
|                     | V  | Vertical               | 115 %/s                     |
|                     | R2 | Rotation 2             | 150 %/s                     |
|                     | B  | Bending                | 150 %/s                     |
|                     | R1 | Rotation 1             | 250 %/s                     |
| Allowable Moment    | R2 | Rotation 2             | 75 kgf-m                    |
|                     | B  | Bending                | 75 kgf-m                    |
|                     | R1 | Rotation 1             | 40 kgf-m                    |
| Repeatability       |    | $\pm 0.2$ mm           |                             |
| Ambient Temperature |    | 0 - 45°C (273 - 318 K) |                             |
| Approximate Weight  |    | 750 kg                 |                             |



### Application

- Spot welding
- Material Handling
- Assembly