



**Payload capacities of up to 220kg and a maximum working reach of 2666mm.**

## Handling Robot

The Panasonic YS- & HS-G3 series provides an additional field of application capabilities within the existing robot product range. Offering payload capacities of up to 220 kg and a maximum working range of 2666 mm. The YS-080G3 and HS-220G3 provide enhanced benefits for production automation solutions requiring work handling. Used in combination with a Panasonic welding robot, the movements of both robots can be fully synchronized using the "Harmonizer Function". This feature ensures the relative welding torch position to the work piece is maintained automatically. The programming of the weld position becomes as easy as working with a fixed work piece, ensuring that out-of-position welding can be avoided

## Handling Robot

<https://eu.connect.panasonic.com/nl/en/products/robot-welding/handling-robot>

<b>Payload</b>	YS-080G3: 80kgHS-220G3: 200kg
<b>Repeatability</b>	YS-080G3: ± 0.15mmHS-220G3: ± 0.06mm
<b>Weight</b>	YS-080G3: 620kgHS-220G3: 955kg
<b>Max. Reach</b>	YS-080G3: 2240mmHS-220G3: 2666mm
<b>Max. Working Range Swivel</b>	YS-080G3: ± 180°HS-220G3: ± 180°
<b>Max. Working Range For/Backward</b>	YS-080G3: -90° ~ +155°HS-220G3: -65° ~ +80°
<b>Max. Working Range Up/Downward</b>	YS-080G3: -180° ~ +230°
	HS-220G3: +230° ~ +130°
<b>Max. Working Range Rotation</b>	YS-080G3: ± 360°
	HS-220G3: ± 360°
<b>Max. Working Range Bending</b>	YS-080G3: ± 125°
	HS-220G3: ± 128°
<b>Max. Working Range Twisting</b>	YS-080G3: ± 360°
	HS-220G3: ± 360°
<b>Max. Speed Swivel</b>	YS-080G3: 170°/sHS-220G3: 120°/s
<b>Max. Speed For/Backward</b>	YS-080G3: 140°/sHS-220G3: 105°/s
<b>Max. Speed Up/Downward</b>	YS-080G3: 160°/sHS-220G3: 115°/s
<b>Max. Speed Rotation</b>	YS-080G3: 230°/sHS-220G3: 145°/s
<b>Max. Speed Bending</b>	YS-080G3: 230°/sHS-220G3: 145°/s
<b>Max. Speed Twisting</b>	YS-080G3: 624°/sHS-220G3: 624°/s
<b>Allowable Moment Rotation</b>	YS-080G3: 400Nm
	HS-220G3: 1420Nm
<b>Allowable Moment Bending</b>	YS-080G3: 400Nm
	HS-220G3: 1420Nm
<b>Allowable Moment Twisting</b>	YS-080G3: 200Nm
	HS-220G3: 770Nm