



This welding robot series features an externally or internally mounted torch cable, and a high resolution encoder with a highly rigid arm.

TM series

Panasonic presents the TM Welding Robot Series, this being the all new and unique generation of robots. Customers have the possibility to decide freely whether to use an externally or internally mounted torch cable to match requirements of their applications. Additionally the robot series benefit from a highly rigid arm structure and an improved and efficient servo motor, which provides an enhanced harmonious movement for the positioning of the welding torch. With an all new high resolution encoder working in combination with the highly rigid arm, the TM robots provide improved path accuracy. Through this the TM robot fits optimally the requirements of a flexible and efficient welding process.

TM series

<https://eu.connect.panasonic.com/gb/en/robot-welding/industrial-robots/tm-series>

Payload	TM 1100: 6kg
	TM 1400: 6kg
	TM 1600: 4kg
	TM 1800: 6kg
	TM 2000: 6kg
Repeatability	TM 1100: ± 0.08mm
	TM 1400: ± 0.08mm
	TM 1600: ± 0.08mm
	TM 1800: ± 0.08mm
	TM 2000: ± 0.10mm
Weight	TM 1100: 156kg
	TM 1400: 170kg
	TM 1600: 180kg
	TM 1800: 215kg
	TM 2000: 217kg
Max. Reach	TM 1100: 1.163mm
	TM 1400: 1.437mm
	TM 1600: 1.639mm
	TM 1800: 1.809mm
	TM 2000: 2.011mm
Max. Speed Swivel	TM 1100: 225°/s
	TM 1400: 225°/s
	TM 1600: 210°/s
	TM 1800: 195°/s
	TM 2000: 195°/s
Max. Speed For/Backward	TM 1100: 225°/s
	TM 1400: 225°/s
	TM 1600: 197°/s
	TM 1800: 197°/s
	TM 2000: 197°/s
Max. Speed Up/Downward	TM 1100: 225°/s
	TM 1400: 225°/s
	TM 1600: 205°/s
	TM 1800: 205°/s
	TM 2000: 205°/s
Max. Speed Rotation	TM 1100: 425°/s
	TM 1400: 425°/s
	TM 1600: 425°/s
	TM 1800: 425°/s
	TM 2000: 425°/s
Max. Speed Bending	TM 1100: 425°/s
	TM 1400: 425°/s
	TM 1600: 425°/s
	TM 1800: 425°/s
	TM 2000: 425°/s
Max. Speed Twisting	TM 1100: 629°/s
	TM 1400: 629°/s
	TM 1600: 629°/s
	TM 1800: 629°/s
	TM 2000: 629°/s