

^ SOLDERING ROBOT SERIES

PME- T8R1/T8R2

XYZ-axis automatic soldering machine, one or two tips

One or two soldering tips

Computer-controlled XYZ soldering with ± 0.02 mm precision, stable iron temperature up to 450°C and repeat tin feeding. T8R1 has one soldering tip, T8R2 has two.

± 0.02 mm
PRECISION

0-500 mm/s
MAX. SPEED

0-450 $^{\circ}\text{C}$
TEMPERATURE
CONTROL

99
PROGRAM FILES



KEY FEATURES

^ Accurate XYZ motion

Three-axis drive with advanced motion control for accurate, repeatable positioning.

^ Stable iron temperature

A high-power heater and precision thermocouple at the iron tip hold temperature steady.

^ Many iron head styles

A wide choice of iron heads helps solve difficult soldering jobs quickly.

^ 99 programs, adjustable angle

Stores up to 99 programs; the spot soldering angle is freely adjustable.

^ Easy point teaching

Fully computer controlled; teach points with the hand-held pad or by coordinates.

^ Quick tip replacement

The sleeve-type tip design makes replacing tips quick and easy.

^ Repeat tin feeding

The repeat tin-feed system makes solder joints faster and cleaner.

^ No-tin alarm

A buzzer alarm sounds when there is no tin wire.

SPECIFICATIONS

SPECIFICATION	PME-T8R1	PME-T8R2
Working range	X260 × Y300 × Z100 mm	X720 × Y300 × Z100 mm
Max. speed	0–500 mm/s	0–500 mm/s
Precision	±0.02 mm	±0.02 mm
Operating system	Hand-held control + touch-key editor	Hand-held control + touch-key editor
Temperature control	0–450 °C	0–450 °C
Temperature-control precision	±2 °C	±2 °C
Tin-wire diameter	0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.2 mm	0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.2 mm
Max. workload	10 kg	10 kg
Memory capacity	Up to 99 program files	Up to 99 program files
Soldering tip/head	One	Two
Drive system	Micro-stepping motor or belt	Micro-stepping motor or belt
Tin-wire position	Adjustable	Adjustable
Machine dimensions	X520 × Y580 × Z750 mm	X720 × Y580 × Z770 mm
Machine weight	50 kg	60 kg

Specifications and design are subject to change without notice.

TYPICAL WORK PIECES

