



LEAD-FREE MINI SOLDERING STATION

MADE IN JAPAN

PX-580 Smart Iron



LEAD FREE

**Compact, High-Performance, High power!
Latest Model of Smart Iron Series!**

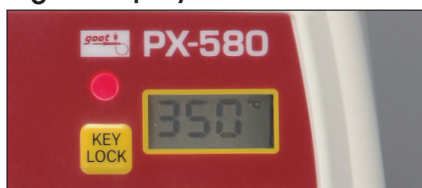
30 Seconds to 350°C Set Temp.
Fast Start Up!

Tip Life Greatly Improved
SLEEP/SHUTDOWN

With Numerical Code
KEY LOCK

Palm-Sized to Save Space
Compact Station

Digital Temp. Display
Set Temp. Range 200 to 500°C
Digital Display in 1°C Increments



Applicable Tips
PX-28RT / 28T Series
Common to PX-280

Smart Functions for Safe, Secure Soldering

SLEEP

- When iron is not used during preset time, it automatically lowers tip temperature to avoid tip-burn.

SHUTDOWN

- When the iron is not used during the preset time, it automatically shuts down.
- Temperature displays during temperature drop.
- This prevents wasting electricity, accidental burns, and forgetting to turn the power off when leaving the unit.

*To use it again, press any button or turn the power switch ON again.

KEY LOCK

- This function locks data settings by entering the PIN code. Unauthorized personnel cannot make changes.

SLEEP can be quickly released by vibration sensor built into the grip.

SLEEP FUNCTION RELEASE

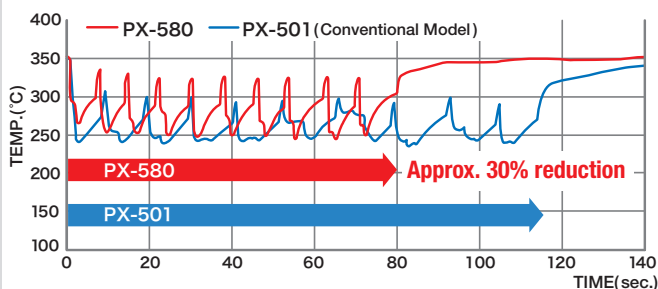
In SLEEP mode, a light touch on the soldering iron releases it from sleep and returns it to the soldering temperature.



Comparison with Conventional Model PX-501

Approx. 30% reduction in working time

TIP-TEMPERATURE RECOVERY GRAPH (Our in-company test)

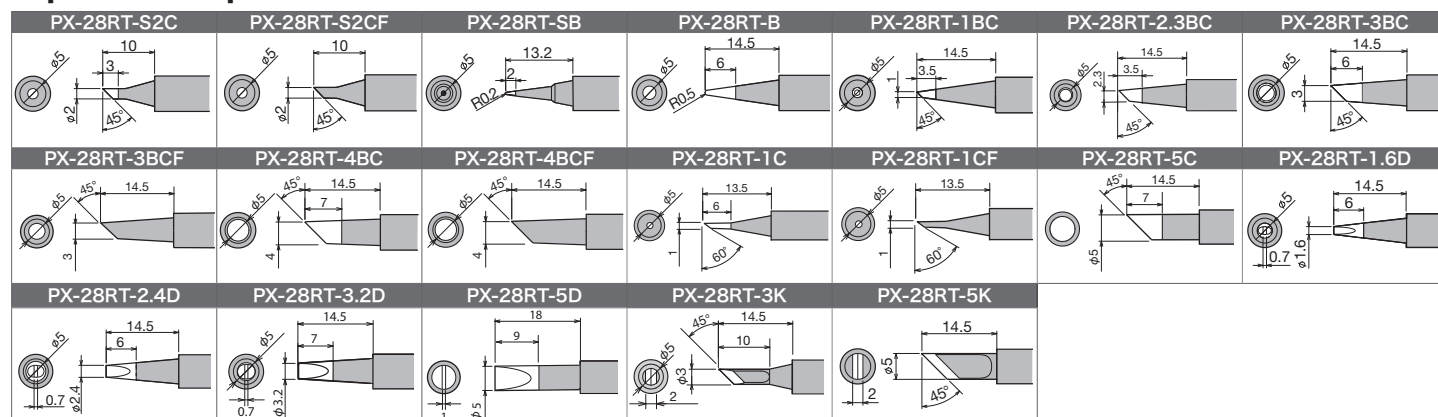


Specifications

Model		PX-580
Voltage		220-240V AC 50/60Hz 110-120V AC 50/60Hz
Power Consumption		100-120W
Temperature Setting Range		200-500°C
Ripple Temperature		±5°C (unloaded)
Ground Resistance		2Ω or less
Leak Voltage		Less than 2mV
Insulation Resistance		100 MΩ or more (500V DC)
Heater		Ceramic heater
Size	Control Unit	100 (W) × 60 (H) × 85 (D) mm
	Iron Unit	Overall Length 185mm
Weight	Control Unit	233g (w/o cord)
	Iron Unit	49g
Cord Length of Iron Unit to Control Unit		1.2 m
Power Cord Length		1.5 m (3 core cord with ground pin)
Accessories		Soldering Iron Tip (PX-28RT-S2C)

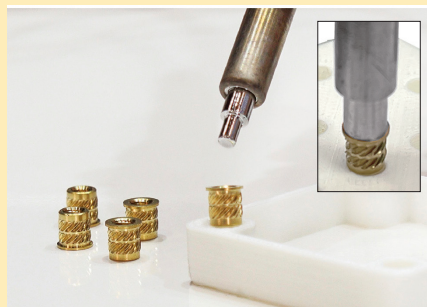
*The length does not include the cord bushing. The weight does not include the cord.

Replacement Tips

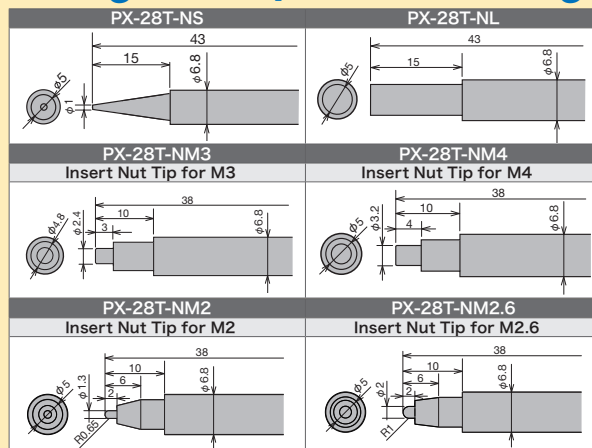


Tips for Insert Nuts

For inserting into moldings or 3D printer modelings



Please set your temperature for your specific resin, shape, and insert nut size. The recommended temperature is +100°C from the melting point of the resin.



Replacement Parts/Optional Parts

PX-580 Heater

PX-58H

PX-580 Collar

TQ-77NUT

PX-580 Barrel

PX-60HP

Recommended Stand

ST-27



ST-27



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