

KREPRO

SOLDER MEISTER

HIGH PERFORMANCE SOLDERING ROBOT: UNIX-410 Series

The premium model that achieves fast, precise, and high-quality soldering operation.

Offering two slim types of high performance soldering robots that letting our customers choose the best one to fit their objectives. Both come with a clean cut feeder and lock-on mechanism, which are the most popular automatic option, for higher precise works. The model is excellent for durability and repeatability that achieves in cellular manufacturing. In addition, UNIX-410S has mounted "Kaizen" and "Poka Yoke" functions to maintain output quality and the speed of production.

This high performance soldering robot 410S is able to improve over 15% in cycle time. One of three major soldering methods, contact soldering, laser soldering or ultrasonic soldering is available

UNIX-413S



Mid-size soldering robot

- For work up to 300mm x 275mm
- Solder feeder with 5 stepping motor
- Improve detection sensor of solder shortage & jam
- Integral onboard controller

UNIX-414S



Wide-area soldering robot

- For work up to 400mm x 365mm
- Supports M-size PCBs
- Solder feeder with 5 stepping motor
- Improve detection sensor of solder shortage & jam
- Integral onboard controller

Features

- Reduce cycle time by approx. 15%*
 - 10-point: 14.3% cycle time reduction
 - 50-point: 15.6% cycle time reduction
- feeding precision
- Slim & compact

*Versus other firms. May differ, based on soldering environment and conditions.

Krepro AS

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STANDARD CONFIGURATION (for tip soldering)



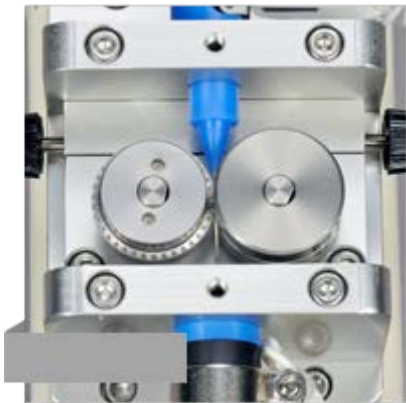
Onboard controller

Controls robot motions and soldering operation



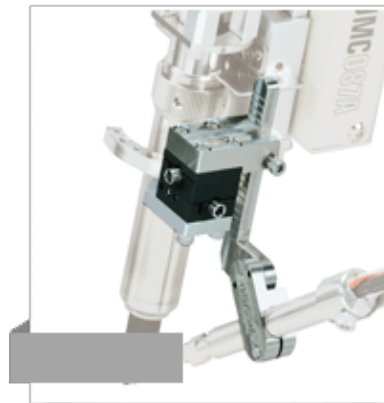
Precision solder feeder

The resolution of 0.072mm/pulse (for \varnothing 0.5-1.5mm wire)



Clean-cut feeder

Reduces flux splatter and solder balls



Lock-on mechanism

Ensures steady feeding position and prevents slippage



Iron tip cleaner

Air blower type



Heater and temp. regulator for robotics

Special heater, temp. regulator w. CA sensor

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Soldering head

For point and linear soldering



Teaching pendant

Easy control and configuration

CONSUMABLES (soldering tips)

Select the suitable one from over 2,500 types

Selecting right soldering tip is the key for qualified outcomes.

The tip must be selected based on a variety of factors, such as circuit board material, components and their size. Japan Unix has a wide range of high-performance iron tips developed for automation.

Manufacturer custom orders are also available for exclusive works.



WARNING

*ATTENTION FOR COUNTERFEITS.

Counterfeit soldering tips are being found over the Internet and unauthorized dealers, etc., please be careful not to be deceived by such tactics.

ADD-ON OPTIONS

Combining our rich array of add-on functions to make things faster, shorter, better quality and accuracy.



Tip Position Corrector

Automatically adjusts soldering position



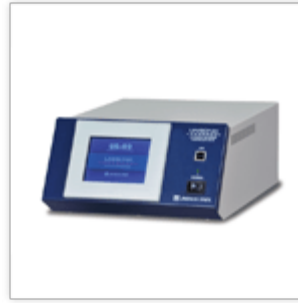
High Precision Feeder

Supports ultra-fine soldering



Laser Unit

Non-contact soldering using laser



Ultrasonic Soldering controller

Provides ultrasonic wave and temperature control

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