

SELECTIVE SOLDERING SYSTEMS

1000

Economical equipment Easy maintenance Easy operation

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5 Flux unit – much faster !! more accurate *АГ ЧОЅО Я*

AFHOSOR

Off-Line, All-in-one

[AF 4050A]

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AF INHOSOA

In-Line, All-in-one [AF iN4050A]

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PF INHOSO **IN-Line** [AF iN4050] Z3 IN-Line [AF iN4050] Z4

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Flux unit – much faster !! more accurate

Convenience

- 1. 2L flux bottle
- 2. Level sensor to check residual amount of flux
- 3. Flux usage and residual amount displayed on program screen

Various

- 1. Each point spray or line spray is possible
- 2. It can change the spray time and control the movement speed of spray zone.



Precision

- 1. The Fiducial recognition vision is applied to automatically compensate for difference of product and Fixture(pallet) position
- 2. The Micro Drop Jet flux unit spray only the correct amount of flux

Monitoring

- 1. Monitoring the process of flux spray with the Live Camera
- 2. Checking that the flux is sprayed well by the flux detection sensor (Option)



Preheater - Keeping the same temperature !! Fast temperature feedback !!

Convenience

1. Automatically preheater channel turns on / turns off according to product or PCB size



Precision

- 1. The temperature control range of the preheater is 50°C to 150°C
- 2. Feedback system to keep temperature constant when set temperature is reached

Various

- 1. Upper and lower 3 channels of IR Lamp
- 2. Various setting of preheating temperature
- 3. Setting preheating in 3 ways
 - 1) Solder after preheating
 - 2) with preheating and soldering
 - 3) Without preheating

Monitoring

- 1. Infrared temperature sensor measures heating temperature of product and then feedback
- 2. The current heating temperature of the product in real time displayed on program screen



Solder - Patented solder pot system !! Setting various conditions!!

Convenience

- 1. Easy replacement of solder pot and nozzle
- 2. Convenient functions required for soldering process
- 3. Production preparation and program execution with one click

Various

- 1. Various setting of solder pot temperature
- 2. It can create many different programs
- 3. Keep preheat temperature constant with upper preheater
- 4. Patent No. : 10 1544676



Precision

- 1. Feedback system to keep the temperature constant when the solder pot reaches on the set temperature
- 2. The Fiducial recognition vision is applied to automatically compensate for difference of product and Fixture(pallet) position

Monitoring

- 1. Monitoring the process of soldering process with the Live Camera
- 2. Sequentially track and monitoring of programmed coordinates and conditions



Utility - Machine with various convenience functions!



Auto solder feeder

A unit that supplies solder wire for set time

Solder level sensor

A Unit that automatically checks solder amount of the solder pot and maintains solder level in the solder pot

Auto flow height adjustment

A unit that constantly adjusts the flow height of the nozzle tip

Auto nozzle cleaner

A unit that automatically optimizes the flow by cleaning the nozzle **patent No. : 10 - 1625151**

Adjustment of solder pot temperature

A unit that automatically adjusts the temperature of the solder pot by measuring the temperature on the tip of the nozzle

N2 Heater

A Unit that heats the nitrogen coming into the solder pot

N2 purity check unit

A Unit that checks the purity of nitrogen supplied to the solder pot (Option)

MES(Manufacturing Execution System)

A program to manage soldering process and condition history (Option)



AF INHOSO

- As In Line Machine
- Machine consisting of three modules : Flux module, Preheater module, Solder module

- Auto flow height adjustment by touch probe
- Auto nozzle cleaner
- Auto solder feeder & solder level sensor
- Auto adjustment of coordinates by the FIDUCIAL VISION
- Automatic adjustment of solder pot temperature
- Preheater : Top 3ch IR heater, Bottom 3ch IR heater
- Save of the soldering video & Management of the soldering condition(MES/Option)
- Language support (Korean, English, Japanese, Chinese)
- Remote control support by internet

Size
► AF iN4050
1. Flux & Preheater : 2000(W) X 1640(L) X 1551(H)
2. Solder : 1300(W) X 1640(L) X 1551(H)
3. Working Area(X x Y) : 500 X 400mm
► AF iN2535
1. Flux & Preheater : 1850(W) X 1490(L) X 1551(H)
2. Solder : 1150(W) X 1490(L) X 1551(H)
3. Working Area(X x Y) : 350 X 250mm



AF iNHOSOA

- As In Line Machine
- Machine consisting of one modules : Flux & Top preheater & Solder module



- Auto flow height adjustment by touch probe
- Auto nozzle cleaner
- Auto solder feeder & solder level sensor
- Auto adjustment of coordinates by the FIDUCIAL VISION
- Automatic adjustment of solder pot
- temperature
- Preheater : Top 3ch IR heater
- Save of the soldering video & Management of the soldering condition(MES/Option)
- Language support (Korean, English, Japanese, Chinese)
- Remote control support by internet

Size

▶ AF iN4050A

- 1. Size : 1300(W) X 1640(L) X 1551(H)
- 2. Working Area(X x Y) : 500 X 400mm
- ▶ AF iN2535A
- 1. Size : 1150(W) X 1490(L) X 1551(H)
- 2. Working Area(X x Y) : 350 X 250mm



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Customization Type(Circle)



Customization Type(Rectangle, Multi)



AF Series



АГ ЧОЅОА

- As Off Line Machine
- Machine consisting of one modules : Flux & Top preheater & Solder module

AF HOSOA

- Auto flow height adjustment by touch probe
- Auto nozzle cleaner
- > Auto solder feeder & solder level sensor
- Auto adjustment of coordinates by the FIDUCIAL VISION
- Automatic adjustment of solder pot temperature
- ▶ Preheater : Top 3ch IR heater
- Save of the soldering video & Management of the soldering condition(MES/Option)
- Language support (Korean, English, Japanese, Chinese)
- Remote control support by internet
- Products loading mode : Auto shuttle

Size

- ▶ AF 4050A
- 1. Size : 1200(W) X 1930(L) X 1551(H)
- 2. Working Area(X x Y) : 500 X 400mm
- ▶ AF 2535A
- 1. Size : 1050(W) X 1780(L) X 1551(H)
- 2. Working Area(X x Y) : 350 X 250mm



Patented technology for selective soldering





Offices

Japan	http:// www.apolloseiko.co.jp
	http:// www.apolloseiko.com
	E-mail: info@apolloseiko.com.mx
Europe	http://www.apollo-seiko-europe.com
Singapore	http:// www.apolloseiko.com.sg
	http:// www.apolloseiko.com.cn
Korea	http:// www.apolloseiko.co.kr
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