

# Automatic Solder Nozzle Tinning System

## Solder Nozzle Cleaning and Re-Tinning to Ensure Consistent Quality

### Features and Benefits

- Removes oxides and meticulously cleans solder nozzle stabilizing surface tension to ensure uniform solder flow
- Does not spray liquid or powdered flux, adipic or organic acid, and is advantageous for clean production shop floor environments
- Produces no overspray of caustic materials and does not contaminate printed circuit board assembly or selective soldering machine
- Eliminates manual solder nozzle re-tinning minimizing machine downtime
- Compatible with all Nordson SELECT Novo™, Cerno™ and Integra™ selective soldering machines

**Overview.** As industry experts we know that only a clean and oxidation free solder nozzle can be properly wetted. Unlike other nozzle cleaning systems, Nordson SELECT's patent pending Automatic Solder Nozzle Tinning System does not spray a liquid or powdered flux, or adipic acid.

Our automatic solder nozzle tinning system keeps our solder nozzles meticulously clean by removing oxidation residues and re-tinning the surface of the nozzle without any resulting overspray or contamination of the printed circuit board or the selective soldering machine.



Automatic Solder Nozzle Tinning System



Solder nozzle before automatic nozzle tinning



Solder nozzle after automatic nozzle tinning

**Integrated Solution.** The Automatic Solder Nozzle Tinning System fully integrates with closed-loop process controls embedded in Nordson SELECT's SWAK-OS 4.0 software providing seamless operation for your selective soldering process. Nordson SELECT's closed-loop process controls enable successful results for a full range of soldering applications and ensures stable and repeatable results for high-yield production.

**Experience.** With over a decade of selective soldering experience and more than a thousand systems currently in production, Nordson SELECT is committed to providing innovative solutions for all selective soldering needs. Our global support network, including state-of-the-art application development labs, provides customers with world-class know-how and application expert

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## Compatible Solder Alloys

Tin-lead solder  
Lead-free solder

## Specifications

Solder wire type:	AFCW-Sn99.3/Cu0.7
Solder wire diameter:	1.59 mm (0.062 in.)
Solder melting point:	227°C (441°F)
Solder density:	7.31 grams/cm <sup>3</sup>
Flux type:	RZ1-H7A (4.5%)
Spool weight:	0.45 kg (1.0 lbs.)

## Application Note

The Nordson SELECT Automatic Solder Nozzle Tinning System can be adapted to all Nordson SELECT Novo™, Cerno™ and Integra™ selective soldering machines and is compatible with tin-lead and lead-free solder alloys.

For more information, speak with  
your local representative or  
contact your regional office.

[Nordsonselect.com](http://Nordsonselect.com)

### North America

#### Headquarters

Liberty Lake, WA, USA

+1.509.924.4898

[sales.usa@nordsonselect.com](mailto:sales.usa@nordsonselect.com)

### China

Email:

[info.cn@nordsonselect.com](mailto:info.cn@nordsonselect.com)

Shanghai

+86.21.3866.9166

Beijing

+86.10.8453.6388

Guangzhou

+86.20.8554.9996

### Europe

Maastricht, Netherlands

+31.43.352.4466

[info.eu@nordsonselect.com](mailto:info.eu@nordsonselect.com)

### Japan

Tokyo

+81.3.3599.5920

[Info.japan@nordsonselect.com](mailto:Info.japan@nordsonselect.com)

### Korea

Seoul

+82.31.765.8337

[info.kr@nordsonselect.com](mailto:info.kr@nordsonselect.com)

### India

Chennai

+91.44.4353.9024

[info.in@nordsonselect.com](mailto:info.in@nordsonselect.com)

### S.E. Asia/Australia

Singapore

+65.6796.9514

[info.sg@nordsonselect.com](mailto:info.sg@nordsonselect.com)

### Taiwan

+886.229.02.1860

[info.tw@nordsonselect.com](mailto:info.tw@nordsonselect.com)



Nordson SELECT, Inc.

+1.509.924.4898 Phone

[sales.usa@nordsonselect.com](mailto:sales.usa@nordsonselect.com) Email

22425 East Appleway Avenue

Liberty Lake, WA USA 99019-8508

[www.nordsonselect.com](http://www.nordsonselect.com)

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