

# EPP

## EUROPE

Electronics Production and Test

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### INTERVIEW

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## 3D Automated Pin Inspection

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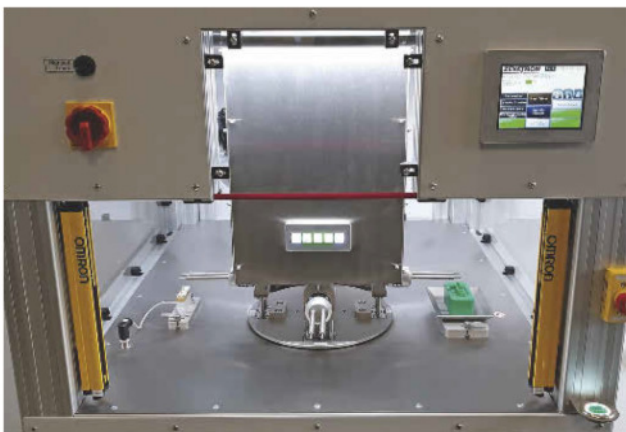
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inspect PCBs**



Tinning coil connections

# Rotary soldering table with 4 stations

For decades now, Zevatron Löttechnik has been a reliable partner for professional soldering equipment. After successful implementation of multi-axis transport systems and robot solutions, rotary soldering tables with 4 stations for tinning coil connections have been developed.



Source: Zevatron Löttechnik

Loading and deloading for up to 2 coils, PLC handling by touch-display.



Source: Zevatron Löttechnik

Fluxing and tinning position, easy accessible and exchangeable for cleaning and maintenance.



Source: Zevatron Löttechnik

Solder pump system with customized nozzles, automatic solder supply, continuity test.

The great advantage of rotary tinning tables consists in extremely short cycle times, as several processes are constantly performed simultaneously. The stations loading / fluxing / tinning / unloading ensure efficient processing of the components. To check the quality of the tinned connections, it is possible to install a continuity test with encoded trays for nio parts.



Source: Zevatron Löttechnik

Rotary tinning station with 4 positions and encoded trays for nio parts.

### All on one machine

Best results are achieved by the use of proven modules, such as an overflow fluxer for constant flux niveau and a SWLM solder pump system, or a static solder bath with ladle and oxide scraper. For maintenance purposes, all components are easily accessible and exchangeable, if required.

Easy-change nozzles and workpiece holders make the system ideal for tinning different coils on one machine. Each soldering machine is developed in close cooperation with the customer, whereby individual requirements and specifications are implemented quickly.

The entire work process is monitored. If the soldering temperature or solder level falls below the set minimum, the process stops automatically. Optionally, the level is kept constant by a solder level supply. In order to minimize the oxide formation, an equipment with inert gas is possible.

The soldering unit is integrated in a cell, a double safety light grid provides optimal protection for the operator. The convenient PLC control with touch display is user-friendly and enables easy configuration of all parameters as well as program storage and management.

**productronica, Booth A4-370**

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

### Zusammenfassung

Ein kompetenter Partner für professionelle Löttechnik hat aktuell nach erfolgreichen Entwicklungen von Mehrachsverfahrensystemen und Roboterlösungen Rundtaktische mit 4 Stationen zum Verzinnen von Spulenanschlüssen konstruiert und umgesetzt.

### Résumé

Un partenaire compétent dans la technique de brasage professionnelle a conçu et réalisé des tables à transfert rotatif avec 4 stations pour l'étamage de la connexion des bobines après sa réussite dans le développement de systèmes de glissement multi-axes et de solutions robotisées.

### Резюме

Компетентный партнер в области технологий пайки после успешного выпуска на рынок многоосевых систем перемещения и роботизированных решений разрабатывает и внедряет поворотные индексные столы с 4 станциями для лужения соединений катушек.



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