**ii-Tab**



## MOBILITY AS THE BASIS OF BETTER PERFORMANCE

# *i i - T a b*

Europlacer's software solutions offer a connected and intelligent ecosystem that serves the needs of its customers. While Factory 4.0 is increasingly embraced to improve performance and efficiency, with **ii-Tab**, Europlacer offers you the opportunity to go even further with a user experience that delivers a set of valuable mobility solutions.

Over the years, mobility has become a core factor of productivity. Surface Mount assembly lines are becoming more and more complex; the number of machines that need to be managed within the same production facility is growing considerably. It all demands special vigilance by the equipment operators. It is not uncommon to see the number of operators increase along with the complexity of the lines. But that's rarely the optimum productivity solution.

So how do you maximize the productive time of your operators on an assembly line without increasing the number of people, while at the same time allowing them the flexibility to diversify their roles? A recurring question that site managers ask themselves is this: "Do I really need so many operators to run my production efficiently?"

Flexibility is more than just optimizing component placement. The organization around your production tools needs to be adaptable. Europlacer provides a solution to this problem through **ii-Tab**, a digital environment at your fingertips that covers your organization and anticipates the needs of your entire process, from the preparation of your production through to loading the machines, as well as the performance of your assembly.

**4.0**
Software Suite

*integrated intelligence*™

The **ii-Tab** software environment has been designed to minimize tablet handling and ensure the best user experience. The interface is intuitive, the data is easily identifiable, and the ergonomics have been pushed to the maximum. Notifications are managed intelligently in all the applications built into **ii-Tab**, so you will never miss important information. Our priority is to notify you in real time of any event that deserves your attention.

The mobile solution chosen by Europlacer is a professional, resilient, industrial-grade tablet. The robust tablet form factor is available with a 10-inch screen and is resistant to falls from a height of more than one meter. It also features a safe, ergonomic and adjustable grip.

In terms of autonomy, a long-lasting internal battery is augmented by a secondary battery and a rechargeable stand, so you never run out of resources.

A custom **ii-Tab** support mechanism available from Europlacer also allows you to position a shelf directly on your ii-cart during feeder preparation; it guarantees perfect visibility.

The entire **ii-Tab** solution is completed by an ultra-light Bluetooth scanner for ease of use when barcode identification is required.

**Technical Data:**
*Dimensions:* 269mm (L) x 181mm (H)
*Screen:* 10.1"
*Weight:* 750g
*Primary battery:* Smart lithium-ion battery - 8,700mAh
*Secondary battery:* Smart lithium-ion battery - 6,800mAh
(Interchangeable with no interruption to power)
*OS:* Microsoft® Windows 10 Enterprise

**Requirements:**
License + WiFi access point

In its initial version, **ii-Tab** integrates eight applications that are described in this document. These applications address your entire manufacturing process. It is a comprehensive global solution designed to enhance your productivity, improve responsiveness to critical assembly events, and safeguard your quality control processes.

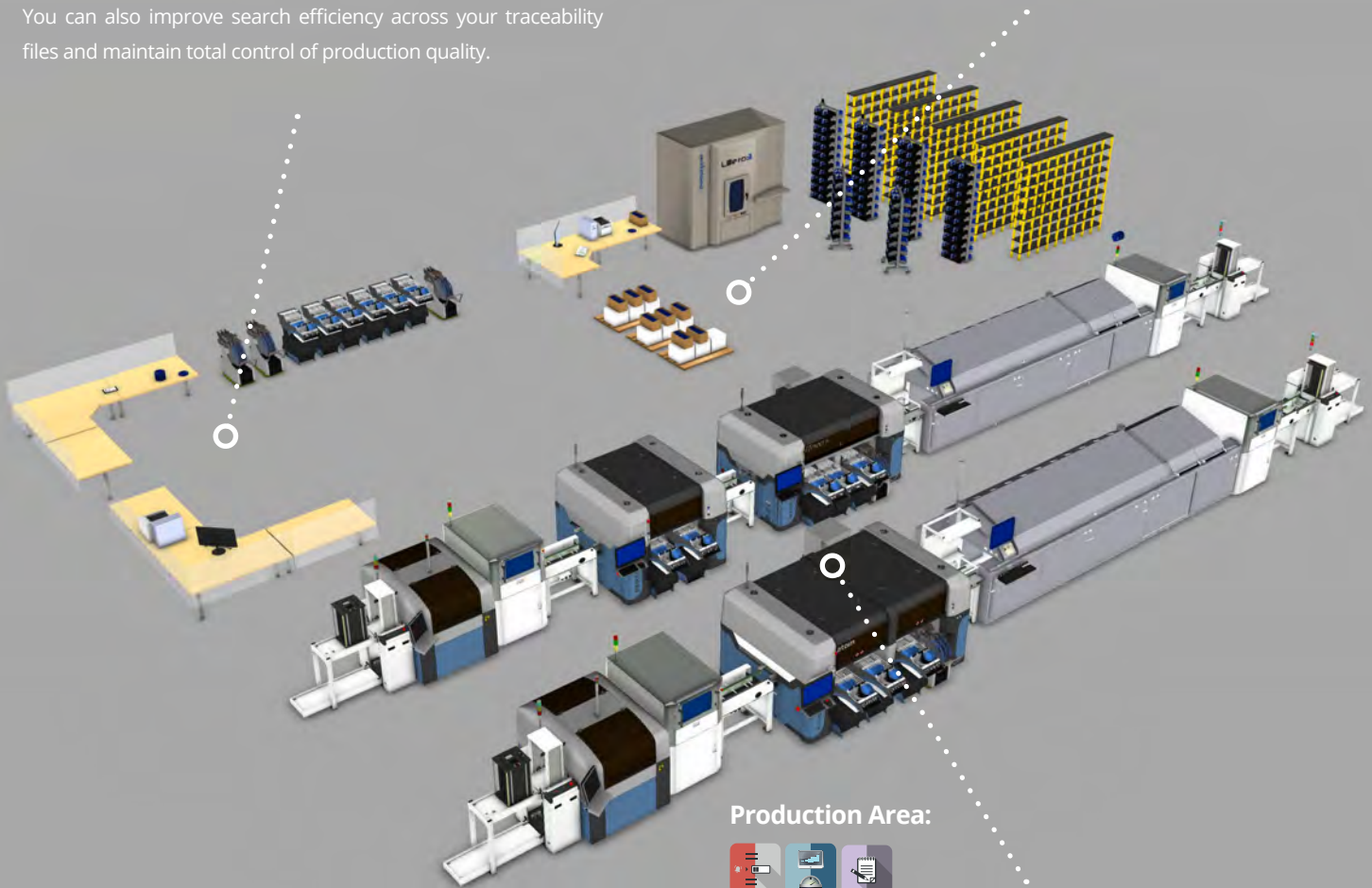## Preparation Area & Programming Station:

**ii-Tab** revolutionizes the setup of your ii-cart and feeders. Ergonomic and intuitive tools let you increase your preparation yields and free up your feeder resources. Following the loading plan generated by the optimization software eliminates any compromise between preparation speed and production performance.

You can also improve search efficiency across your traceability files and maintain total control of production quality.

## Storage Area:

A powerful set of solutions to cover all your productivity requirements, including the timely supply of components upstream of the assembly line, allowing production preparations to be completed in record time. Finding an item in stock becomes quick and easy with instant response. Component replenishment is also supported and optimized. Everything is set to preserve quality control and deliver optimal efficiency.

## Production Area:

Europlacer placement machines transmit data in real time. **ii-Tab** formats and displays that data so that production information becomes routine. You can accurately predict the finish time of one batch to know exactly when to commence preparations for the following batches or plan changeover to a new product. With its production-wide visibility, **ii-Tab** helps you avoid downtime due to missing components. At any time and in any place, your teams can access the status of all production processes and assembly lines, allowing them to improve production performance based on relevant data.

# A GLOBAL SOLUTION

# Applications Description



## PL (Pick List)

This application allows you to prepare your production kit in strict compliance with your quality standards (compliance with FIFO, expiry dates, quantities, etc.). You can therefore optimize your movements and centralize your data in one tool, guaranteeing optimal efficiency without reducing quality during the preparation and kitting of your components into reels, sticks and waffle trays.

With *ii-Tab* flexibility, you can choose to begin a new production batch as soon as possible, using sufficient inventory to get the assembly started in response to an emergency; or you can equip the lines with a full component inventory to cover the whole of your production run.

*Prerequisite: Stock management*

## FS (Feeder Snapshot)

Where is my feeder? What items are programmed on it? These questions can be answered with *FS*, which gives you a complete picture of your feeder fleet. By scanning a feeder with this utility, you reveal the information about the components programmed on it. It simply offers more information and control with less handling and search time.

## IS (Item Snapshot)

This utility allows you to access information about the items in your component inventory. It will give you an overview for a particular item by a simple scan request such as: the total number in stock, the number of packages, their location, etc. Thanks to *IS*, you will waste less time tracking down items in your production facility.

## SH (Setup Help)

The new generation setup help offered by *ii-Tab* frees you from the restrictions of the previous version. More ergonomic and more intuitive than ever, it will save you considerable time in preparing the feeders. Wave goodbye to compromises between reducing preparation time and achieving optimal machine productivity by following the optimization plan. Now it's possible to work with several people on the same preparation procedure without using the resources of the dedicated workstation – and also to work on feeders offline.

You can also free up your feeder resources and predict the preparation process when using ii-cart magazines.

*Prerequisite: Preparation assistance license*

## PN (Production Notes)

Within a process of continuous improvement, you will have become accustomed to writing production reports, detailing your remarks and observations therein. *PN* is an application that will allow you to enter your remarks during production, without changing screens or tasks. It is also accessible via the RC software of your placement machines. At the end of production, an interface will allow you to organize and reorder your notes, complete or edit them, and generate a production report. This report itself can be edited, exported or printed.

# RTM (Real Time Monitoring)

Why wait for a posteriori analysis of production data to improve your industrial process? **RTM** is an application that allows you to control and act on your production in real time. As your partner in performance, it allows you to verify that your machines are working optimally and lets you make immediate corrections if not. **RTM** warns you of possible 'bottleneck effects' on your line, unusual component rejects and machine stoppages. At any time, **RTM** informs you of your production status and performance levels so that you can take immediate action. You can also schedule the start of preparations for subsequent assembly batches thanks to an end-of-production indicator.

The **RTM** application is based on CFX, the industry standard for data communication. Europlacer's production facilities are fully compatible with this industry-oriented IPC 4.0 standard.

*Prerequisite: Machine data in CFX format - CFX license per machine*

# CSL (Component Shortage list)

The **CSL** is the best defense against production downtime. It allows you to organize and visualize the order of missing components and their packaging, as well as displaying the time remaining before expiry. **CSL** is particularly flexible and allows you to adapt it to match your exact needs by setting the alarm level as well as your control zone, from a single machine to an entire line, or simply all of your resources during production. The information is displayed clearly to help identify your priorities at a glance. At the touch of a button, you can access the **PL** application to assist you in the replenishment of your production line inventory.

*Prerequisite: Stock management*

# IDT (ID Tracking)

The **IDT** tool is a tool for analyzing your traceability data. For example, you can immediately find the coils used in a product by scanning its serial number. Conversely, use **IDT** to quickly identify a list of all products impacted by a batch of components by scanning its unique identifier. In this way, **IDT** reinforces your quality control.

*Prerequisite: Traceability license - Stock management*

As part of our policy of continuous development, specifications are subject to change without prior notice.

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