

At the cutting edge of Technology To keep building the future

Reached the turning point of 25 years of Alba Elettronica's history, developing and enhancing its expansion, Alba Elettronica keeps giving its own growth a boost, building its future on strategic investments in next generation technology.



In the last years, the company located in Mogliano Veneto has always been faithful to the idea to follow at the cutting edge of technology, progressively increasing its own productive strength in view of a higher request of quantity, speediness and precision, coming from the market. Just quoting some of the investments made during these past years, it is possible to see this unceasing task at first-hand: very high reliability flying probe electrical test, automatic plant for precision V-cut, AOI station for a totally automatized optical inspection, inkjet printer for white silkscreen drafting.

IL DIRECT IMAGING, A PERFECT PRINT FOR PCB

At the beginning of this new year, Alba Elettronica operates another important investment devoted to photographic printing department, once more in order to

improve its service for customers, keeping the highest quality level of products.

We are talking about **Nuvogo 800**, the next generation of Direct Imaging station produced by **Orbotech**, the Isrealian company, worldwide leader in high-tech precision for electronics industry. A groundbreaking and sophisticated plant which demanded the realization of a cleanroom in class 10.000, the ideal conditions for working without any impurities which could interfere with the high precision level of this device.

"Important investment devoted to photographic printing department"

Nuvogo 800 directly transfers the image included in a file over the photoresist dryfilm, previously laminated on a panel. In this way, it prints inner layer, external

layer, but also solder mask in a very high precision without involving photographic films, and in an extremely accurate balance level. Therefore, since it doesn't require to generate and use the photographic films, start-up time has been drastically reduced if it is compared

ALBA GROUP

1989

Alba Elettronica: Parent and headquarter company. PCB production

1999

AAB Tech: Far East Pcb

2008

Enventive: Touch Devices

2011

AB Technologies: China Pcb

2012

Pcboards.eu: Online Pcb Shop

Written by
Alba Elettronica



Innovation in
Direct Imaging,
more precision for
electronics world

with that of a traditional expositor, impressively speeding up printing realization and increasing quickness among orders.

"Laser diodes allow to double productive level"

In respect to previous versions of Direct Imaging, Nuvogo 800 is based on a new technology which finds its own focus using multiwave laser diodes handled by a very sophisticated electronic and mechanical control system. Practically, this machine is composed from two laser emission moduli of different wavelength (375nm and 405nm), changeable between them, ideal for both superficial and deep layer definition of photoresist dryfilm and resist solder mask

The precision of this technology is undeniable looking to the data, beyond it is able to print lines till 25µm in 12700DPI (2µm) resolution, Nuvogo 800 also transfers the image following the shape of panel area. Crucial factor when there are flexible circuits like support, or when there is solder mask printing



Delivery in
24/48 hours
with AlbaExpress

ALBA GROUP, A WORLDWIDE PARTNER FOR PCB

New technology and new impulse to future: the strategic line of Alba Elettronica is clear and results to be winning. Its unceasing improving in business, productive and organizing aspects, brings to a steady growth and acquisition of newer and more specific competences. A meticulous organization which is always looking forward optimization pursuit and improving performances. A competent and expert partner for people who need PCBs, able to follow its customers for short and long term demands as only a few companies can do. During its history, Alba Elettronica created departments, services and companies highly specialized in order to satisfy any kind of need: from fast delivery, to shopping online, from Made in Italy to Far East market of guaranteed quality.

Nowadays, Alba Elettronica is the headquarter of a group of companies strictly connected and interacting between them, which work in a perfect coordination and able of great synergy and flexibility. A group which put itself as a worldwide partner for PCB, and more.

Aside from this new technology with laser diodes which guarantees a bigger lifetime and reliability, it also assures a high productive level, more than doubled, compared with previous generation stations: over 110 panels per hour on both sides.

A flexible system able to realize and provide a worldwide range of orders at the highest level of quality, which allows mass productions in fast times and very quick samples. An investment which results to be strategic for its need to reply

to more and more increasing requests of speediness and precision, besides promising a very fast return.

ADVANTAGES ALSO FOR ULTRA FAST DELIVERY

Nuvogo 800 brings a wide benefit in terms of seeking to answer to customers, cutting-off starting and productive time to the absolute minimum.

This benefit will become more and more important and significant if we consider two of those services where Alba Elettronica believed and invested more during these years, both of them characterized by speed in deliveries: they are AlbaExpress and Pcbboards.eu.

AlbaExpress is, in fact, a very fast delivery service for PCBs turned to customers who need samples in a very short lead-time: double layer delivery is provided in exactly 24 hours and multilayers in 48 hours. Pcbboards.eu, on the contrary, is an online service, born in 2012, an online shop for PCBs of any complexity. A service realized for providing quickness, easy to use and low-cost for all those customers who desire to manage in their own autonomy quotation request and orders for any PCBs they need.

