

Installation: Actiu Berbegal y Formas, S.A. - Spain



 **Nordson**

Investing in quality.



Actiu, S.L. are an ISO 9001 and ISO 14001 company that specialise in producing high quality office furniture with an aesthetically pleasing appearance. They design and produce the most efficient and comfortable furniture & equipment for offices and public areas; this includes desks, chairs, filing and storage equipment, screens and other accessories.

Actiu began as a family company back in 1968 in a town near to Alicante (Spain), producing small components and house furniture. Nowadays the company is successfully established in over 50 countries worldwide, and is located at Actiu Tech. Park, a business industrial area designed by and for Actiu, with the highest values of sustainability, innovation, design and environment protection.

The company prides itself on speed and flexibility to launch new products manufactured from aluminium, steel, glass, thermoplastic and composite materials.

In recent years Actiu has increased its capacity and production capability and this was demonstrated by the installation of new plant for powder painting. They wanted to use cutting edge technology which allowed them to manufacture products to meet the highest level of demand and quality whilst reducing environmental impact. Actiu continuously work to provide solutions to the market, that when produced have low impact on the environment but also do not increase costs.

In 2009 Actiu invested in a new advanced powder paint plant from Nordson. The installation, a ColorMax³ fast colour change booth with Prodigy[®] HDLV[®] dense phase application equipment was delivered and installed on time. After commissioning the booth a full training package was implemented to ensure early operator understanding.

Actiu chose the ColorMax³ for its efficient operation, quick colour change and simple, clean and easy to maintain features. Functionality such as AeroWash automatic booth floor cleaning and Prodigy[®] HDLV[®] recycle, which efficiently and continuously returns powder back to the feed centre using dense phase technology, ensuring a minimum inventory of powder in process at all times.

The system has 10 Prodigy[®] automatic guns, 2 Prodigy[®] manual guns and an iControl application controller which offers full process control. With Prodigy[®] HDLV[®] technology a stable flow rate of powder is metered to the gun producing a soft spray that provides better coating penetration and increased transfer efficiency which results in reduced powder consumption. The system allows complete process control with regard to application thickness and effective use of powder. Additionally due to the automatic application and depending on the type and shape of the part, the line can now reach conveyor speeds of 4m/min.

Finally by using an optical part identification system with iControl, Actiu use product gap detection and only trigger the guns when necessary which results in reduced wasted energy and powder, making its coating operations more environmentally friendly. With Nordson, Actiu are now coating parts with a consistent and optimum thickness and reclaiming powder in comparison to their previously outsourced painted items. David Fernández quotes "now with the new Prodigy[®] application system we have good quality parts and achieve the lowest cost per painted part".



Prodigy[®] HDLV[®] Pump

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

U.K and Ireland

Heald Green, Manchester
M22 5LB, United Kingdom
+44.161.498.1500 **Phone**
+44.161.498.1501 **Fax**
powder.systems@nordson.com
www.nordson.com

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