

Hitachi at Interpack 2005

Launch of the new PX-P Pigment-based Ink Jet Printer

The Hitachi Europe GmbH Company has presented itself for the first time with its own stand at the international packaging industry trade fair. After the successful market launch of the PX and PB series Hitachi is now presenting the PX-P series created specifically for pigment-based inks. The PX-P offers an extraordinary degree of resolution as well as a good adhesion on all dark surfaces.

Quick overview of the most important advantages:

- The ink system includes an automatic stirring system that always provides for an even distribution of the ink.
- The specially designed ink pump has a long service life even with pigment-based inks.
- The operating and maintenance of the PX-P is just as easy even with pigment-based inks.



You will find all the advantages of the PX series also for our new Ink Jet printers for pigment-based inks; these include:

- Extreme user-friendliness with the large color Touch Panel
- Extremely low consumption costs
- Almost completely emission-free

Besides the presentation of the new printer there are also interesting upgrades in the existing models. These include:

- Scanner options
- Interface options
- Ethernet connection
- Binary interchangeable interface
- Memory upgrade

At our stand in Hall 8, C02, you will meet our partners from 7 European countries for a practical demonstration of Hitachi Ink Jet printers. You

can take advantage of the same opportunity at the stand of our German Partner, Allen Codiergeräte GmbH, Hall 12, stand D24.

We are looking forward to seeing you!

Print samples:



Printing on Wine Bottles at Extreme Conditions

Sometimes carried out in extreme conditions (at a temperature close to zero degrees),

marking the wine bottles requires a reliable, sturdy printer which is suitable for specific applications.

This is the case with the company CAVE DES VIGNERONS DE GIGONDAS to whom TIMIS has supplied a HITACHI PB printer for marking the batch numbers in

yellow ink on its bottles.

This user appreciates the user-friendliness and ease of use but more particularly the automatic head cleaning function, a time saving when the printer is restarted after a month without being used.

The principle of the heating head is also a very useful function to bottlers, even mobile ones. (The bottling takes place in a lorry and the printer can tolerate the minus temperatures that sometimes occur in the winter period). It allows good quality printing from the start whatever the ambient temperature.

Timis, France

In this issue:

Gigondas

Printing on Wine Bottles at Extreme Conditions

LUGATO

HITACHI PX Series perfect for use at Lugato, the construction chemicals specialist.

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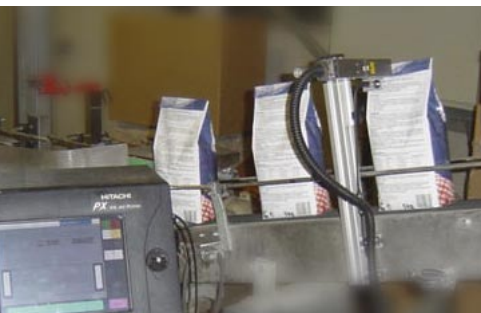
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HITACHI PX Series perfect for use at Lugato, the construction chemicals specialist.

Lugato Chemie is today one of the best-known German manufacturers of construction chemicals and is a company of the ARDEX Group, which operates at an international level. The more than 100 branded articles are listed by 17 of the 20 largest construction market operators.

The special product lines and their presentation are focused on end-users in



construction markets. That's why great value is attached at Lugato Chemie to the constant improvement of the way its products are presented, be they grout, tile adhesives, plasters or floor leveling compounds.

To present its products successfully Lugato Chemie received several marketing prizes and awards.

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HITACHI

Inspire the Next

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In the future the supplementary markings used in the packaging process, for instance, for data for traceability or MHD are to be integrated as inconspicuously as possible in the design of the product packaging.

Since the marking systems used up to now can no longer satisfy new marketing requirements, extensive tests on Continuous Ink Jet systems of various manufacturers were carried out.

The Hitachi Ink-Jet devices were installed in various sites for the packaging of powder construction materials. The sacks or bags are filled, sealed and then marked with a packaging date. The areas in which they were used along the packaging lines were marked by a dusty environment.

After intensive in-house testing Lugato had the opportunity of touching with hand the advantages offered by the Continuous Ink Jet printer of the PX Series: the almost 100% operating readiness and the large and clearly arranged touch screen panel, which guides the user intuitively. Thanks to these glaring advantages Hitachi outperformed several competitors.

The high performance and the total reliability were the decisive factors behind Lugato Chemie's decision to choose Hitachi's CIJ systems.

Another aspect on which decision-makers focused on was cost-effectiveness. Once again Hitachi was extremely convincing. Constantly low amounts of consumables needed were decisive in choosing the PX Series. Even the consumption values of the Hitachi printer for solvents were almost unbeatable. Considering the extremely long maintenance and servicing cycles, even the servicing costs proved to be especially convenient.

In the final analysis the decision to choose the Hitachi PX printing system by Allen Codiergeräte GmbH proved to be most convenient, reliable and user-friendly.

This way Allen Codiergeräte GmbH can act on Lugato Chemie's slogan: Do It Perfect - do it with Continuous Ink Jet printers by Hitachi.

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