

DU PONT™ CYREL® FAST 2000 TD INSTALLATION GUARANTEES FLEXIBILITY IN PLATE PRODUCTION AT REPROFLEX

COMPANY HISTORY AND MISSION

Repro & Design ApS, originally a family owned business founded by Peter Haagen, the father of Camilla Ryberg and Jesper Haagen in Randers, Denmark, was founded in 1979 focused on prepress solutions for corrugated post print and label printing at that time.

In 2019 Reproflex Scandinavia A/S acquired Repro & Design ApS. Camilla Ryberg and Jesper Haagen continued in their previous roles as managing directors and became co-owners of Reproflex Scandinavia A/S. The site in Randers, which is one of three production facilities of Reproflex in Denmark, is now specialized for the Tag & Label segment and located at the „Tag & Label heart“ of Denmark.



Reproflex Scandinavia A/S is a market-leading prepress company and a manufacturer of flexo plates in Kolding, Denmark. Covering the entire value chain design, artwork, prepress, proofing, color management and flexo plate production. Flexible packaging for film, lamination and paper represent the largest part of their business, but label, corrugated post- and preprint is also an important part of the product portfolio.

Reproflex Scandinavia's customer base are flexo printers. Most of their customers are based in Scandinavia and 90 employees in three production sites (Kolding, Vejle and Randers) are handling more than 30,000 packaging and label jobs every year.

CHALLENGE

„The environmental aspect is becoming more and more important for our customers and we constantly search for better technologies to optimize processes and products, following our customer's demands.

We must respond quickly and flexible to design changes of our customers, while avoiding downtimes“ says Jesper Haagen. In 2007, Repro & Design purchased its first Cyrel® FAST thermal processor. This step marked the beginning of “green platemaking”. Saving several thousand liters of



Camilla Ryberg and Jesper Haagen co-owners of Reproflex Scandinavia A/S site in Randers, Denmark.

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processing chemicals since then. Cyrel® FAST uses a solvent-free, thermal processing technology and enables production of a press-ready finished plate in less than one hour.

Convinced of the benefits of the Cyrel® FAST workflow and following high customer demand, Reproflex Scandinavia A/S invested in a new Cyrel® FAST 2000 TD, which was installed in summer 2020. Even though the installation was done under challenging conditions due to the COVID19 pandemic, it went smoothly. Production of flexo plates could be continued in shortest period of time: Only one day of downtime, thanks to well-planned installation and start up.

SOLUTION

"With the new Cyrel® FAST 2000 TD processor, we were able to follow our customer's requirements for quicker supply of quality plates, as the solvent-free thermal processing workflow can produce a press-ready finished plate in less than one hour. Printers can order with short lead time or just wait 45 min for a new plate in an emergency case. This gives us a lot of flexibility and we could offer our customers to replace the plate vs. taking the entire job off the press. Flexibility is key for us and our customers.

With that feature we converted five label customers, who really appreciate a FAST solution", says Jesper Haagen.

The Cyrel® FAST thermal workflow enables very fast processing, cost savings, sustainability and improved press performance. It has basically no downtime, as it works reliable and very stable, resulting in less plate waste due to reduced plate-remake. The new processor generation has also reduced downtime due to maintenance from 1 – 1.5 days to only a few hours. Through the remote diagnostics tool, software updates can be installed and it allows real-time monitoring of the machine parameters.

SUSTAINABILITY

Sustainability is a very important element of Reproflex's company policy. The Cyrel® FAST technology combines both, higher productivity and sustainability.

While reducing up to 75% in plate-production time, it features a small environmental footprint, resulting in:

- Up to 51% lower greenhouse gases emission*
- Up to 60% lower non-renewable energy consumption*
- Practically no VOC emissions
- Safer, low-emission work environment compared to solvent platemaking
- Compliance with the increasing requirements of environmental legislation

The latest generation Cyrel® FAST 2000 TD processors take this to a different level with more than 99% reduction in VOC emission compared to solvent workflow and 76% lower compared to previous generation thermal processors.

** Digital thermal vs. digital solvent workflow
Source: DuPont Life Cycle Assessment 2021*



New thermal processor Cyrel® FAST 2000 TD

"To meet the market expectations, we are getting closer to go green. It is a must and expected by our customers, who push us to focus on a smaller environmental footprint. Therefore, we organize seminars with live demonstrations of the Cyrel® FAST Workflow, showing how plate processing is done by eliminating solvent entirely. The reactions are very positive, which justify the recent investment", confirms Jesper Haagen.

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Reproflex is using DuPont Cyrel® EASY plates with built-in flat top dot technology, the newest technology of plate types for thermal processing. This process of thermal plate making is a safer and more environmentally friendly process compared to solvent platemaking.

"We have been cooperating with Reproflex and Repro & Design for more than 30 years. It is a pleasure to work with the entire team optimizing quality and productivity while reducing the environmental

impact, even with growing volumes. Operating in a competitive area, it is key to be green, flexible and able to deliver Fast. I'm happy to sell the second FAST thermal processor to Reproflex in Denmark. This time a 2000 TD, the next generation of Cyrel® FAST technology, ensuring to meet the high-quality demand that's required today, for example in extended gamut printing applications. I am happy to see our industry moving in a greener direction, says Ole Bech-Hansen of DuPont™ Cyrel® Solutions.



For further information please visit website:
www.reproflex.dk



For more information on DuPont™ Cyrel® Solutions or other DuPont products, please visit our website:
www.cyrel.com

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