

Press release

Toray IMPRIMA Waterless Offset Plates Benefit from Extremely High Quality Aluminum Manufactured by Hydro

Waterless offset plates demand a flawless aluminum surface and Hydro delivers!

Prostějov/Czech Republic, March 14th, 2019 – Toray Graphics in the Czech Republic, a leading manufacturer of waterless offset plate technology, today reported that its partnership with Hydro Aluminum Rolled Products GmbH, a global producer of aluminum products, has resulted in exceptional quality aluminum coil rolls for manufacture of Toray waterless offset plates in its Czech Republic facility. The two companies connected at drupa 2012 when Toray was seeking a second source of aluminum, and after a due diligence process, Hydro was selected. The result is a long-term relationship dedicated to delivering superior quality.

"When we first connected with Toray, we didn't have much experience with waterless offset plates," said Kai Huse, Technical Manager, Product Area Lithography, at Hydro. "We had been producing rolled aluminum coils for almost everyone in the traditional offset plate business. We realized that Toray's requirements for high quality aluminum with a flawless surface were very high. And when we visited the plant in Prostějov, we were extremely impressed with how clean and structured their manufacturing operation was."

In order to meet the high quality requirements of Toray, Hydro has added an additional visual inspection step at the end of the manufacturing process. "We already had both visual and automated quality control processes in place," Huse stated. "But the extra visual inspection of every coil at the end of the manufacturing line ensured that we met Toray's stringent quality requirements. Working with Toray has been a great experience, and I am sure we could learn a lot from each other."

"Add value to print!"

Hydro supplies about 600.000 metric tons of rolled aluminum products annually from its plant in Grevenbroich, Germany. "The largest portion of our business comes from the can industry, with polygraphy being the second largest. We are also pursuing growth in the automotive industry.", Huse explained. "Working with Toray has proven to be beneficial to both our companies and we look forward to continuing this relationship in the future."

"We have been extremely pleased with the quality of rolled aluminum we receive from Hydro," said Mr. Roman Rumlík, Production Manager, of Toray. "We know we are demanding, and we appreciate the patience and dedication Hydro has shown in ensuring we receive the best possible quality. The surface of our plates must be defect-free, and Hydro has delivered admirably against that requirement."

For more information please visit our website www.imprima.toray.

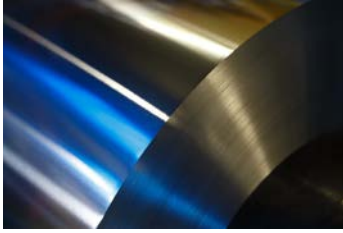
For more information about Hydro, visit www.hydro.com.

About Hydro

Hydro is a fully integrated aluminium company with 35,000 employees in 40 countries on all continents, combining local expertise, worldwide reach and unmatched capabilities in R&D. In addition to production of primary aluminium, rolled and extruded products and recycling, Hydro also extracts bauxite, refines alumina and generates energy to be the only 360° company of the global aluminium industry. Hydro is present within all market segments for aluminium, with sales and trading activities throughout the value chain serving more than 30,000 customers. Based in Norway and rooted in more than a century of experience in renewable energy, technology and innovation, Hydro is committed to strengthening the viability of its customers and communities, shaping a sustainable future through innovative aluminium solutions.

"Add value to print!"

Images and captions:



Rolled alu.jpg: Extremely high quality aluminum manufactured by Hydro for Toray IMPRIMA Waterless Offset Plates.



Litho.jpg: Quality check of aluminum at Hydro



Kai Huse.jpg: Kai Huse, Technical Manager, Product Area Lithography, at Hydro



Hydro logo.jpg: Hydro logo

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About Toray

Toray Industries Inc., the leading manufacturer of waterless printing plates worldwide, was founded in 1926 and has a global presence with factories and sales offices in Asia, Europe, Middle East, South and North America. The main businesses of Toray are fabrics and textiles, plastics and chemicals, IT-related products, environmental and engineering solutions, carbon fiber composite materials, life science and others. Many of the products are developed from its proprietary polymer technology base and are commonly used by the electronics, packaging, textile, automotive and aviation industries. Recent annual sales approached € 15 billion.

Toray Graphics, a subsidiary of Toray Textiles Central Europe (TTCE), is based in the Czech Republic and features a state-of-the-art manufacturing line for waterless printing plates. Located in Prostějov, in the heart of Europe, the facility consolidates all business operations, including sales, customer service, marketing, production and R&D, for faster, more efficient support of Toray's independent network of dealers and distributors in the European market.

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