

FLEXO

DIGITAL



WHEN DIGITAL
MEETS FLEXO

HYBRID PRINT

TOTAL LABEL & PACKAGING PRINTING SOLUTION

OMET XJET printing press is the extraordinary result of the combination between the renowned OMET flexo quality and DURST digital inkjet printing technology.

This union has realized the perfect hybrid solution able to provide the maximum level of productivity independently from the length of the run. Nobody but the printer decides whether to use flexo or digital, or both of them, according to daily label production and brand's requests, thus **choosing the most convenient technology at every run.**



ADAPTABILITY

3 PRESSES IN 1

Get the final product in one single passage
Combine digital, flexo, finishing and converting modules as you wish
Unlimited flexibility in terms of substrates and range of applications



PRODUCTIVITY

INCREASE YOUR PRODUCTION BY CUTTING COSTS

Get faster ROI with no down-time
Choose the most suitable printing process at every run
Optimize production time and costs

FLEXO



STANDARDIZATION

LONG RUNS

SPOT COLORS

HYB

FINISHING

LONG-MEDIUM RUNS

PRINTING SOLUTION

OMET XJET offers an innovative solution able to extend label printer's productivity and erase unnecessary costs.

It is the only label press with in-line multi-process configuration, combining DURST Inkjet technology with OMET flexo units, plus exclusive finishing and converting units to obtain the final product always in one single passage.

OMET XJET is able to merge all the advantages of the two printing technologies in one single press. It widens significantly the range of printing opportunities, adapting the production to changeable market trends like personalization, just-in-time deliveries and final product valorization.

IN-LINE MULTI-PROCESS CONFIGURATION



CUSTOMIZATION

READY TO MEET ANY NEED

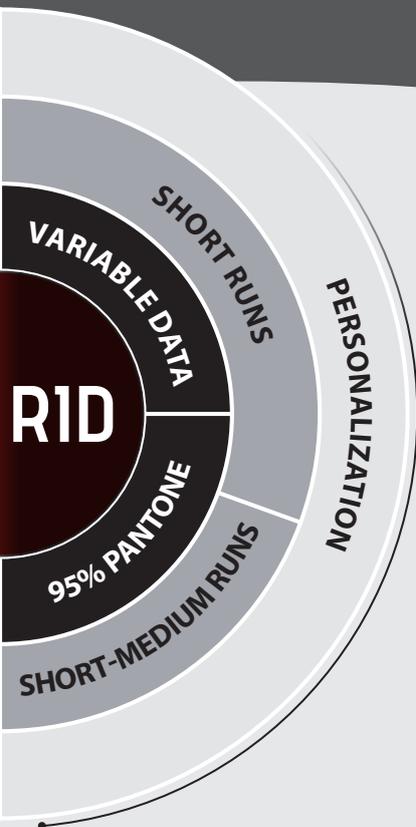
Fulfill just-in-time deliveries and test orders
Product versioning and variable data printing
Add strategic value to the final product



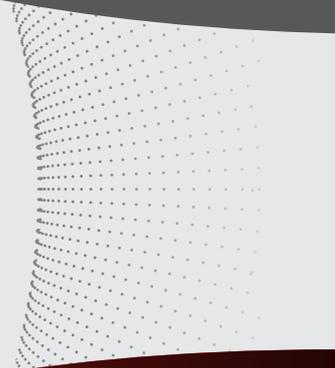
TECHNOLOGY

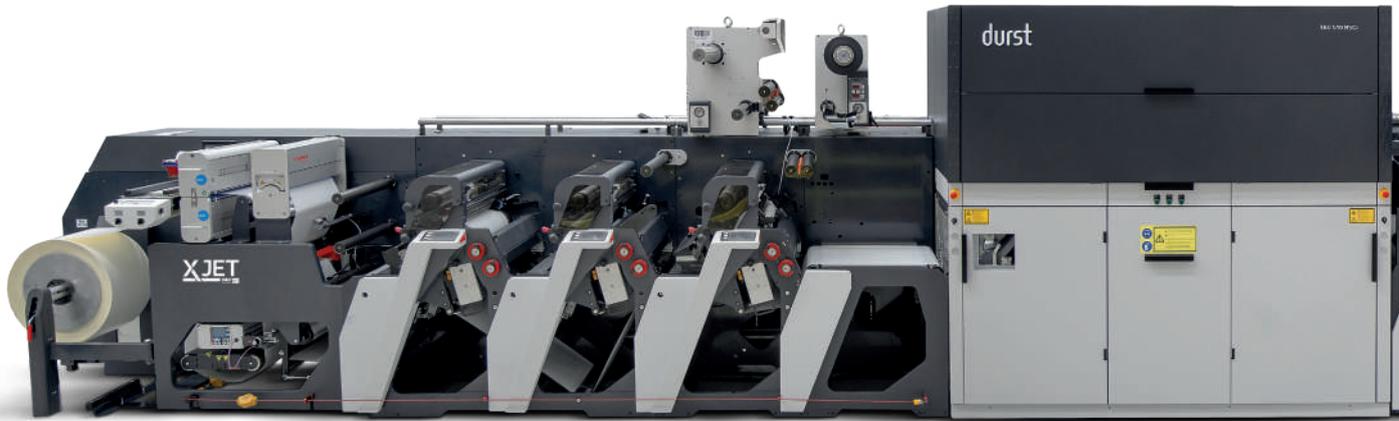
MADE IN ITALY LEADING INNOVATIONS

The best flexo technology by OMET
DURST digital printing expertise and leadership
The reliability of a complete Made in Italy solution



DIGITAL





Flexo Unit

OMET Flexo Direct-Drive technology and gearless concept eliminate even the smallest imperfection and allow the press to reach the purest quality with no backlash and perfect register stability, at every speed and with any kind of substrate.



In-line converting

OMET offers different converting possibilities to provide the best performance in every production situation. **Monotwin Cut with variable-size capability** ensures efficiency in short runs and **TWIST with Easy-Change Die** is perfect for fast changeovers in medium to long runs.



Automatic Print Registration

Thanks to the Vision and Multivision automatic register adjustment and the automatic register control, **flexo and digital units are always in perfect registration**, working as a unique printing machine.

PRINTING SOLUTION



Digital Inkjet Module

Tau RSCi is a **high-performance digital inkjet printing platform** with a printing speed of up to 80 m/min at a print resolution of 1200x1200 dpi. It can feature from 4 to 8 colors (CMYK + W + OVG) achieving outstanding print quality covering **up to 95% of the Pantone color space**.



Digital Inks

Dedicated **UV and UV LED ink systems** for the RSCi platform to cover a wide range of applications. The exclusive partnerships with world-leading ink companies, **including in-house developments**, ensures maximum **system stability**, excellent light fastness and heat resistance for **durable applications**.



Digital Workflow

The comprehensive solution **covers all processes from data management to output on the printer** and reporting. Access to the software is browser-based and can be managed from mobile devices without any additional installation.

FLEXO

HYBRID PRINT

Thanks to its **top-class printing system**, OMET XFlex X6 is able to produce from the simplest to the most complex and creative label on a wide range of substrates. Its **unique multi-process technology** makes it the most versatile printing press on the market, able to satisfy any printer's need by offering a **wide range of in-line additional units for printing, high-end finishing and converting.**

XFlex X6		
	430	530
Web width	430 mm (16 7/8")	530 mm (20 7/8")
Print width	420 mm (16,5")	520 mm (20,5")
Printing repeat	12"-25" (10" optional)	
Flexo print technology	Direct Drive – Sleeve	
Register adjustment and control	Automatic	
Drying systems	Hot air - UV - UV LED	

Available Die-Cutting Units		
	430	530
Double die-cutting station	12" - 25"	
TWIST die-cutting unit	12" - 25"	16"-25"
MonoTwin Cut	12" - 20"	
Cassette-style die-cutting		16"-25"

Cold foil & Lamination



Embossing



Varnishing



Hot foil



Peel & Seal



Delam-Relam



Upstream & downstream operations

PRIMERING

SOLID PRINTING

SPOT COLORS

ADDED VALUE

Multi-process technology

FINISHING

CONVERTING

DELIVERY

Integrated automation

SERVO DIRECT-DRIVE

VISION-AUTOMATIC
REGISTER ADJUSTMENT

AUTOMATIC REGISTER CONTROL



Offset-like printing quality

MAX RESOLUTION 1200x1200 DPI

1PT FONT PRINTING CAPABILITY

2PL MINIMUM DROP SIZE

Low maintenance

NOZZLE COMPENSATION

CONTINUOUS INK CIRCULATION

AUTOMATIC MAINTENANCE CYCLE

High performance

HIGH SPEED AT FULL COLOR

DURABLE UV & UV LED INKS

24/7 OPERATION

UP TO 100 M/MIN



The possibilities of digital technology are practically limitless and offer enormous potential for new products and services in a constant changing and demanding market. **The Tau RSCi Series offers a versatile, adjustable and configurable system**, which can be individually adapted to customer needs to print more quickly, more efficiently and with optimum quality results on a wide variety of materials.

Tau RSCi

Max Speed	80 m/min (262 ft/min) 52 m/min (white under) (170 ft/min)
Print width	338 mm (13,3") - 420 mm (16,5") 510 mm (20")
Print head	Dimatix Samba G3L
Native resolution	1200 x 1200 dpi
N° of colors	CMYK + W,O,V,G (optional)
Inks	Tau RSC UV or Tau RSC LED inks
Grey scale levels	2 - 4 - 6 pl
Min. drop size	2 pl

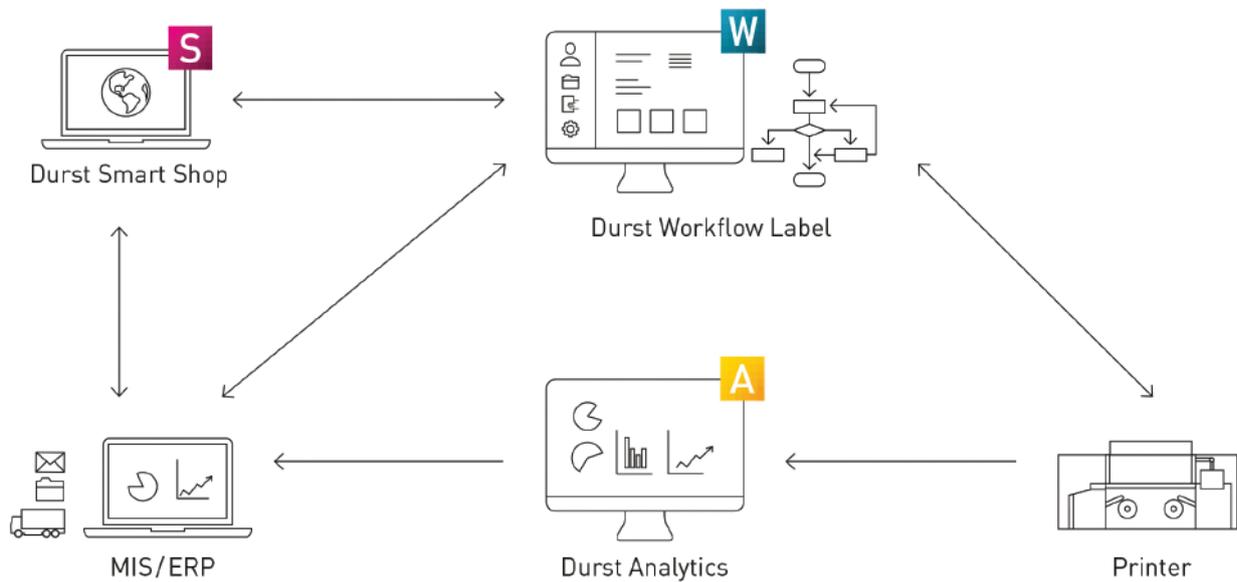
Options

High-Speed Color	100 m/min (328 ft/min)
High Opacity White	40 m/min (131 ft/min)
Double White	80 m/min (262 ft/min) - 52 m/min (170 ft/min) with HOW
Variable Data Printing	80 m/min (262 ft/min)



XJET DIGITAL WORKFLOW

The XJet hybrid press is powered by Durst Workflow: the perfect guide for a fast and smooth printing process, from print data preparation to final printed product and even more. This system can be extended at any time with a range of modules for variable data printing, ink consumption calculation, high-speed RIP, grid charts and color book compilation and much more. The Durst Workflow Label communication server permits the integration of external MIS/ERP systems as well as web-to-print portals.



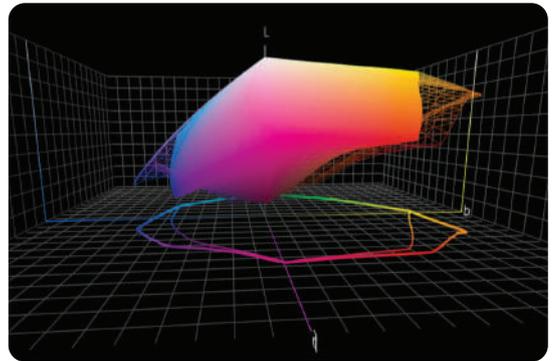
Color	Liter / 1000	€ / 1000	€ / m ²
Cyan	0.05530373	2.37806	0.06143
Magenta	0.07334580	3.15387	0.08148
Yellow	0.18638600	8.01460	0.20705
Black	0.05825988	2.50517	0.06472
Ink Cost (1000)	0.37329541	16.05170	0.41468

Optimized ink usage

Durst Workflow's Ink Save module optimizes ink consumption by dynamically adjusting the ink usage across all colors in your printer. By compensating with black ink, it achieves an optimal reduction in total ink consumption while maintaining a great color accuracy. In addition, Durst Workflow eliminates unnecessary graphics around the label, limiting the bleed to what is needed.

Precise color reproduction

Achieving consistent and precise color reproduction is vital for a seamless production process, and Durst Workflow Label makes it effortless and efficient. This can be achieved by capturing colors from proofs, utilizing grid charts and color books for precise color selection. The defined color values can then be saved and applied to specific materials or customers, enhancing color customization and streamlining production.



Production check-up and analysis

The new Durst Analytics provides users with a comprehensive solution for central monitoring of many printing systems. A user-friendly interface with personalized dashboards provides real-time information about the machine status including all current production parameters.



Effortless Variable Data Creation

The integrated VDP Editor within Durst Workflow Label streamlines the creation of variable data. This powerful editor provides a user-friendly interface accessible through a web browser, allowing easy management of serial numbers, text, images, shapes, colors, barcodes and QR codes. With the VDP Editor, everything can be conveniently handled directly within the software.

PRODUCTS & APPLICATIONS



Widen your possibilities

A fully hybrid printing press gives you the opportunity to extend your product portfolio as much as you want.

Your imagination and intuition will drive your business to a new level thanks to the flexibility and the reliability of the OMET XJet hybrid solution.

TARGET MARKETS

WINE & SPIRITS

FOOD & BEVERAGE

HOUSEHOLD

INDUSTRIAL

HEALTHCARE

COSMETICS

PRINTABLE MATERIALS

- PAPER AND FILM FACE STOCK
- UNSUPPORTED PAPER
- UNSUPPORTED FILM
- LIGHT CARTON
- ALUMINUM
- LAMINATES

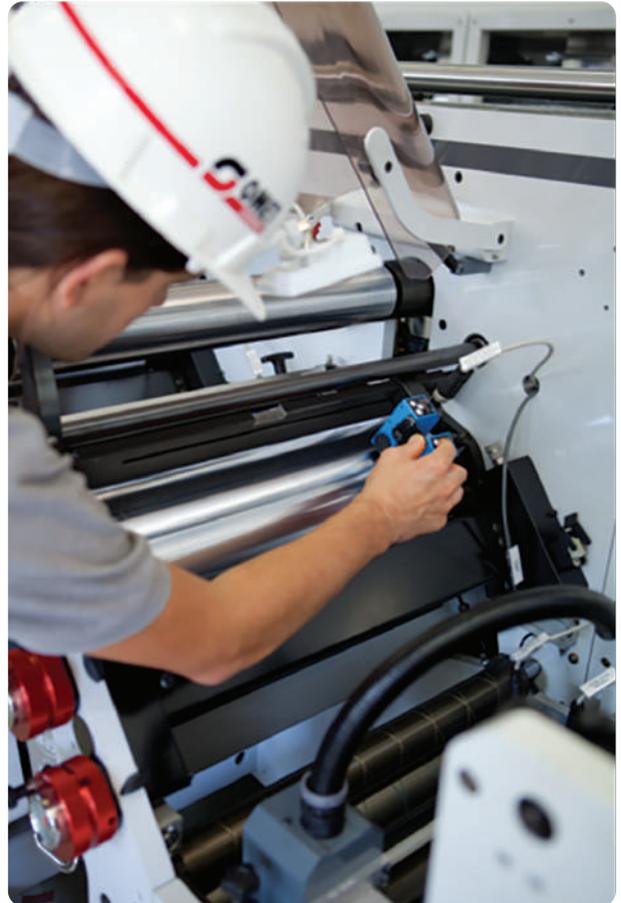
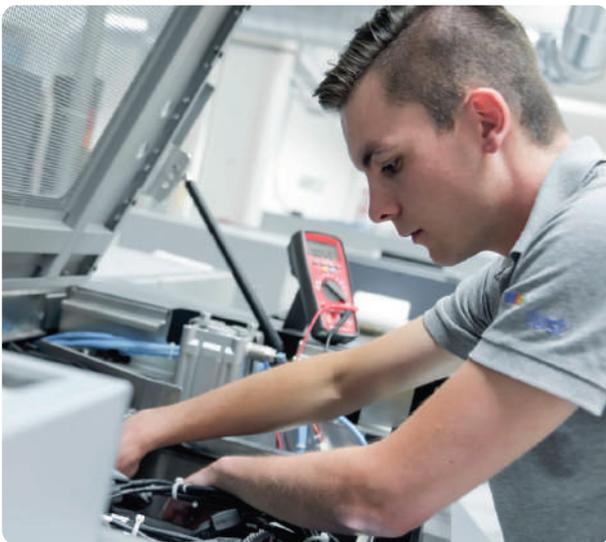


SERVICE & CUSTOMER CARE

OMET & Durst Teamwork makes dreams work

We stand together for the efficiency of your system assuring all the necessary support before and after commissioning. Our well-trained technical personnel is happy to help you whenever you need and share with you their 360° knowledge of the machine. You can rely on a worldwide network of service available 24/7 to support you through remote diagnostic, telephone assistance and spare parts delivery.

Through the exclusive OMET Galileo service program, clients are provided with special service packages and after-sales contracts including priority phone support, preventive maintenance, spare parts discounts, and training.





INNOVATION WITH PASSION



victorycommunication.it

OMET srl

Via Puccini, 15
23847 Molteno (LC), ITALY
Tel. +39 031 0741000
www.printing.omet.com

OMET WORLDWIDE



OMET Americas Inc
1850 S Elmhurst Road
Mount Prospect, IL 60056 USA
Tel. +1 847 621 2369
sales@ometamericasinc.com
www.ometamericasinc.com



OMET Ibérica I&C S.I.
Calle Provenza, 196
08036 Barcellona SPAIN
Tel. +34 66 9789946
Fax +34 93 4907740
ometiberica@terra.es



OMET (Suzhou) Mechanical Co Ltd
N.255 Quande Rd, Economic Development Zone
215200 Wujiang City (Jiangsu) CHINA
Tel. +86 512 63033668
admin@omet.cn
www.omet.cn



OMET India
9th floor, Tower B SAS Tower
Sector 38 Gurgaon-122001 New Delhi INDIA
pawandeep.sahni@ometindia.com



facebook.com/OMETSrl 
it.linkedin.com/company/OMETSrl 
youtube.com/user/OMETcompany 