



THE COMPLETE HYBRID PRINTING SOLUTION  
PERFECT INTEGRATION • HIGH PERFORMANCE

**WHEN DIGITAL  
MEETS FLEXO**

# HYBRID PRINTING SOLUTION

## 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.

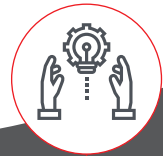
This union has realized the perfect hybrid solution able to provide the maximum level of productivity independently from the length of the run. Nobody but the printer decides whether to use flexo or digital, or both of them, according to daily label production and brand's requests, thus **choosing the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

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



### 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

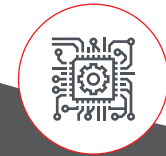
Get faster ROI with no down-time  
Choose the most suitable printing process at every run  
Optimize production time and costs



### 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

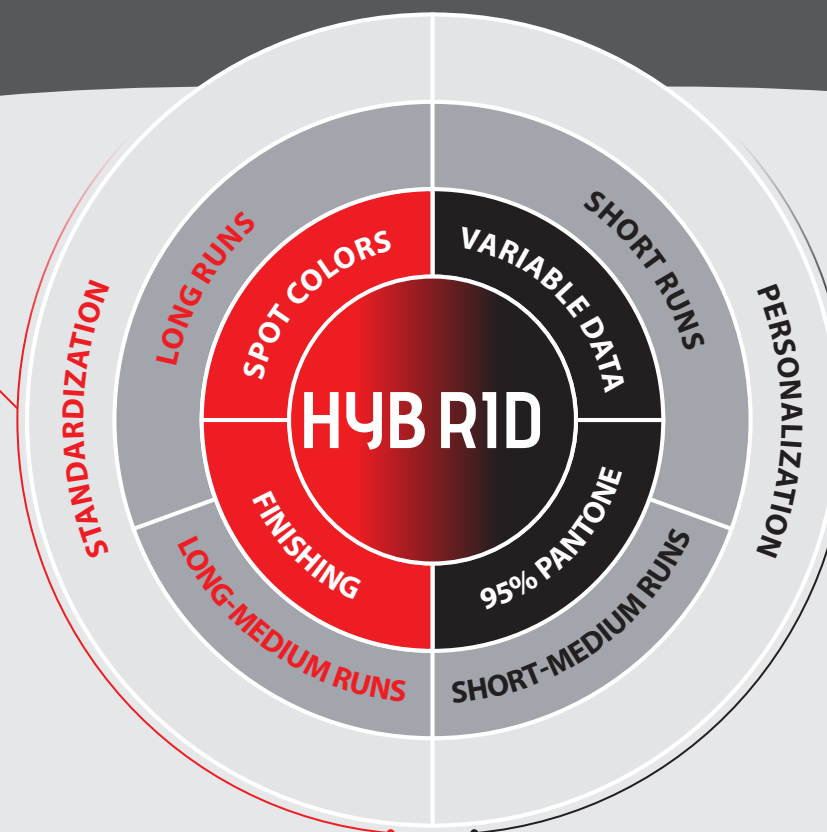


### TECHNOLOGY

#### 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

## FLEXO



## DIGITAL



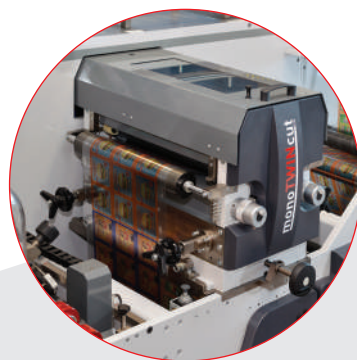


# HYBRID PRINTING SOLUTION



**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.



**Monotwin Cut**

The unique **format-free flexible die-cutting unit** by OMET, which works with **one magnetic cylinder for all label shapes** and dimensions and minimizes operational costs and changeover time, thanks to a fully automatic pre-register and register control.



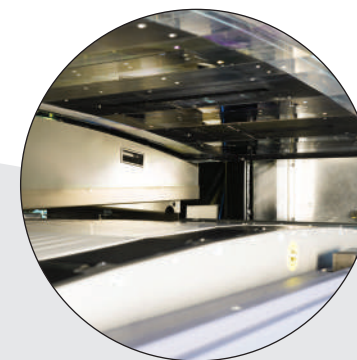
**Rock'n'Roll Dual Function**

High-efficiency stripping unit suitable for any kind of label shape. Thanks to its **double operational capability**, it is able to work either as tower-style or contact-style stripping station, guaranteeing **smooth die-cutting operations** even at high speeds and with all kind of materials.



**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.



**Digital Inkjet**

Tau 330 RSC is a **high-performance digital inkjet printing platform** with a printing speed of up to 80 m/min at a print resolution of 1,200 x 1,200 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 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

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**.

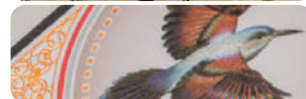
XFlex X6	
Printing width	340 mm - 430 mm - 530 mm
Printing repeat	12" - 25" (10" optional)
Flexo Print Technology	Direct Drive - Sleeves
Register adjustment and control	Automatic
Drying systems	Hot air - UV - UV LED

Available Die-Cutting Units	
Double die-cutting station	12" - 25"
TWIST die-cutting unit	12" - 25"
Monotwin Cut	12" - 20"

Cold foil  
& Lamination



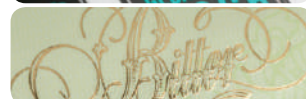
Embossing



Varnishing



Hot foil



Peel & Seal



Delam-Relam



## HYBRID PRINTING SOLUTION

### Upstream & downstream operations

PRIMERING
SOLID PRINTING
SPOT COLORS
ADDED VALUE

### Multi-process technology

FINISHING
CONVERTING
SLITTING

### Integrated automation

SERVO DIRECT-DRIVE
MULTIVISION
AUTOMATIC REGISTER ADJUSTMENT
AUTOMATIC REGISTER CONTROL

### Offset-like printing quality

MAX RESOLUTION 1200 x 1200 DPI
1PT FONT PRINTING CAPABILITY
2PL MINIMUM DROP SIZE

### High performance

HIGH SPEED AT FULL COLOR
DURABLE UV-INKJET INKS
24/7 OPERATION

### Low maintenance

NOZZLE COMPENSATION
CONTINUOUS INK CIRCULATION
AUTOMATIC MAINTENANCE CYCLE



# DIGITAL

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 RSC 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 RSC i	
Max Speed	80 m/min 52 m/min (white under)
Print width	330 mm (13") - 420 mm (16,5") 510 mm (20")
Print head	Dimatix Samba G3L
Native resolution	1200 x 1200 dpi
N° of colors	CMKY + W,O,V,G (optional)
Inks	Tau RSC UV inks
Drop size	2 - 4 - 6 pl
High-speed print mode	100 m/min

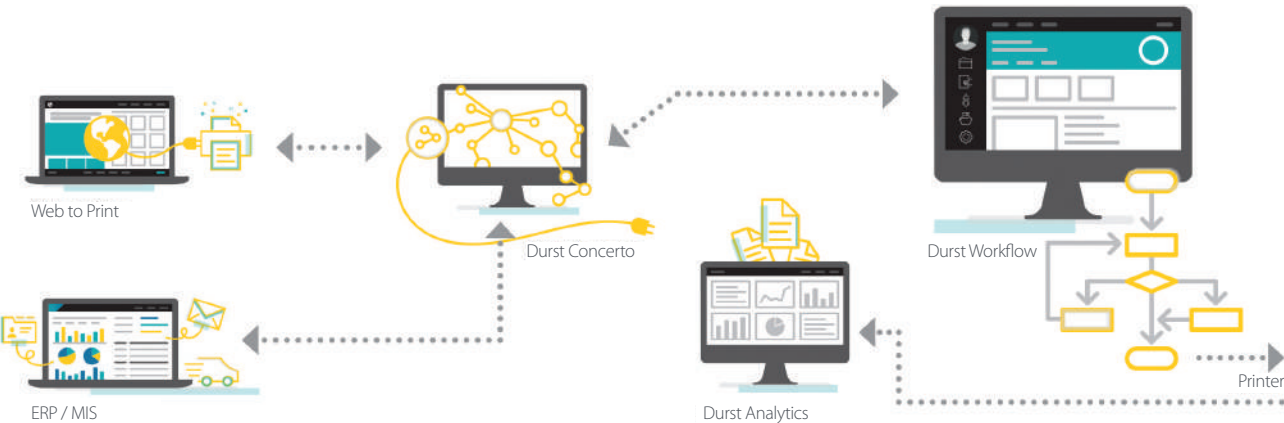
Tau RSC	
Max Speed	80 m/min 52 m/min (white under)
Print width	330 mm (13")
Print head	Dimatix Samba G3L
Native resolution	1200 x 1200 dpi
N° of colors	CMKY + W,O,V,G (optional)
Inks	Tau RSC UV inks
Drop size	2 - 4 - 6 pl

Tau RSC E	
Max Speed	52 m/min
Print width	330 mm (13")
Print head	Dimatix Samba G3L
Native resolution	1200 x 1200 dpi
N° of colors	CMKY + W,O,V,G (optional)
Inks	Tau RSC UV inks Tau RSC Low Migration UV inks
Drop size	2 - 4 - 6 pl



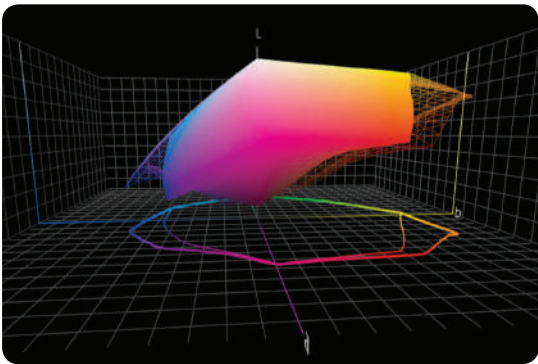
# XJET DIGITAL WORKFLOW

The XJet hybrid press is powered by Durst Workflow - Label: 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 Concerto communication server permits the integration of external MIS/ERP systems as well as web-to-print portals.



## Automatic data preparation

Preparing the print data is quick and easy. Automatic options such as mapping and renaming spot colors, producing cutting lines based on a defined shape, allowing for tonal corrections or giving areas a white background, can be applied easily to the print file. No additional graphics program is needed to open the file, thus saving time and boosting productivity. The customer's original data are always preserved and can be restored again if necessary.



## 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.



PE85 Topwhite 78m_B (6)   Ttau 330 RSC			
Color	Liter / 1000	€ / 1000	€ / m <sup>2</sup>
Cyan	21.4%	0.05530373	2.37806
Magenta	28.3%	0.07334580	3.15387
Yellow	54.0%	0.18638600	8.01460
Black	18.8%	0.05825988	2.50517
Ink Cost (1000)	0.37329541	16.05170	0.41468

## Precise ink cost analysis

Durst Workflow is a user workplace solution for precise calculation of ink consumption as soon as a print job has been created. This permits to know in advance the cost of every job and optimize ink consumption.



## Variable data printing

Adobe Illustrator plug-ins make it easy to add variable elements such as text, bar codes, images or colors to a print job. When creating a variable element as serial number, it is even possible to manage it without database. Variable text can be made up of one or several colors and can also be aligned to any required shape.

# 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



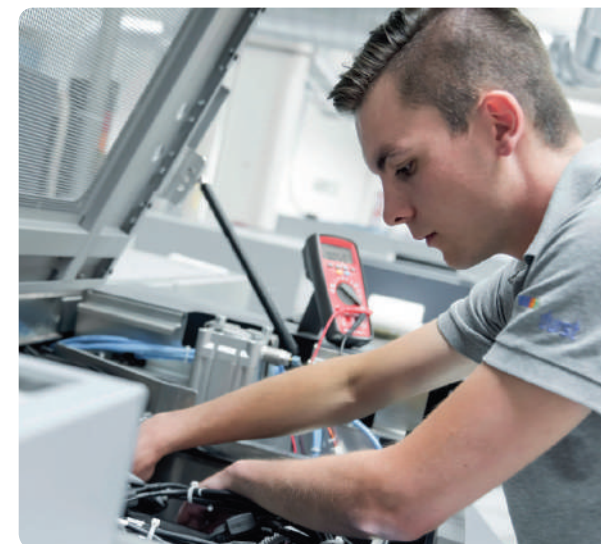
# SERVICE & CUSTOMER CARE

## 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 "Customer 1st" 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

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**OMET** Packaging Printing is located in Lecco, Italy, 50 kilometers north of Milan in a 3,000 square meters area, of which 2,000 square meters dedicated to production. The product portfolio of this business unit includes: narrow and mid web machines/or labels and packaging printing characterized by operational flexibility, efficiency on any job run, versatility on materials and personalized configurations to respond to any customer's request. Besides machines, **OMET** offers complimentary services including ancillary equipment, consultancy and accurate pre and post-sales service programs.



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