

ONYXRACE LqP



LEVANTE LqP



OUR SOLUTIONS FOR LIQUID PACKAGING

THE BEST END-TO-END SOLUTIONS
FOR YOUR LIQUID PACKAGING
PRINTING & CONVERTING NEEDS



Liquid Packaging – Overview

Liquid packaging is a **safe and sustainable solution** to protect your products.



WHAT IT IS

Poly laminated **paperboard long shelf life packaging** for liquid food products, such as milk, juices, wine, eggs and non-food products such as detergent, cosmetics and pharma.



OBJECTIVE

Designed to protect liquid food products from external agents and to achieve the **shelf life up to 12 months** without chilling chain (for aseptic).

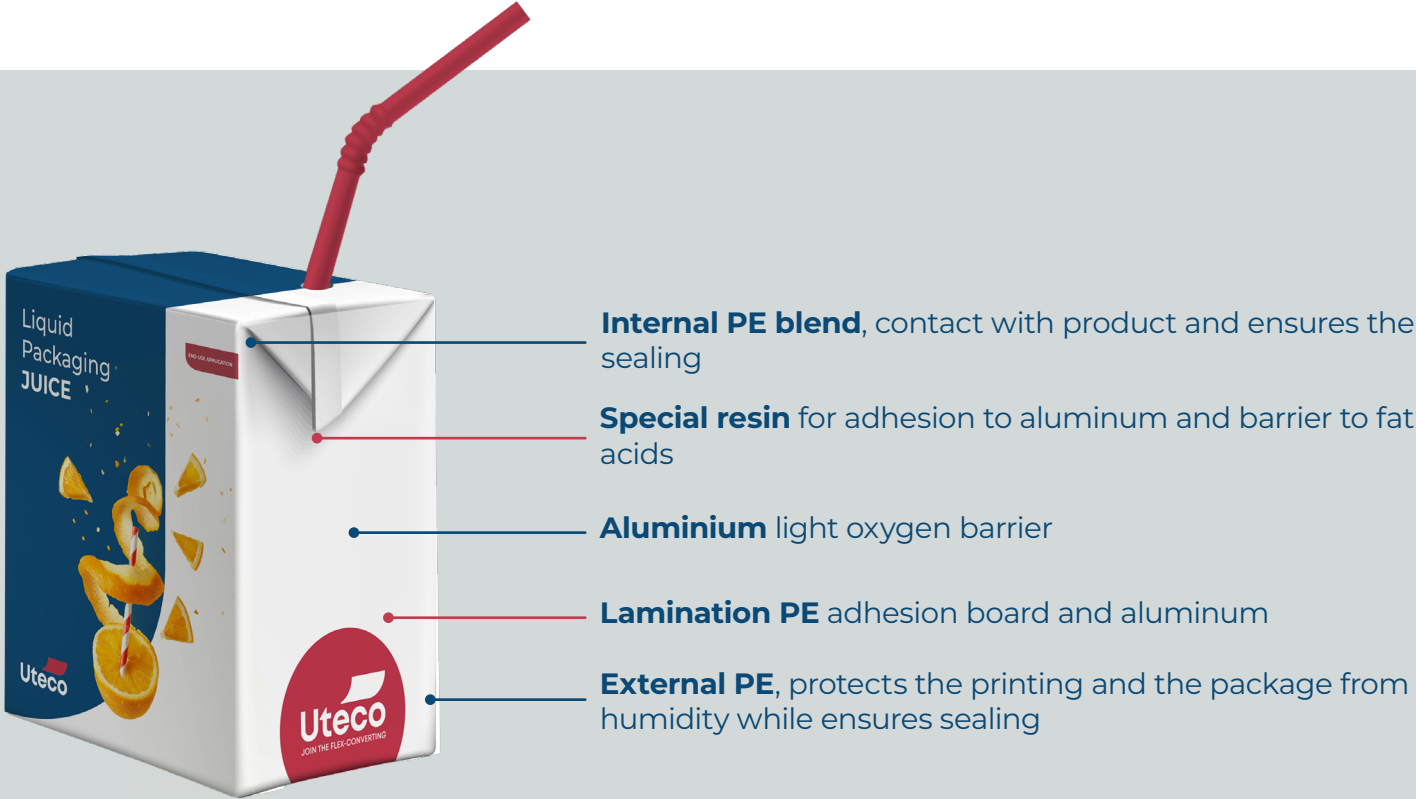


APPLICATIONS

Liquid Packaging applies mainly to **Food and Pharma** end-use applications.

Liquid Packaging – How it is made

Liquid Packaging is a **multi-layer laminated and printed.**



Liquid Packaging – Why Uteco?

Uteco provides **unique end-to-end solutions** for Liquid Packaging Printing & Converting Process.

PROCESS EXPERTISE

Deep **know-how** of the **converting** processes for **liquid packaging** Printing & Extruding such as:

- Reel-to-Reel
- Reel-to-Sheet

INTEGRATED OFFERING

All-in-one unique offering allowing you to have a reliable partner for the manufacturing of **liquid packaging end-use applications**, with deep knowledge for **integrating third parties technologies**:

- Printing
- Extrusion
- Creasing and Punching
- Stacker Converting Equipment



CUSTOMIZED SOLUTIONS

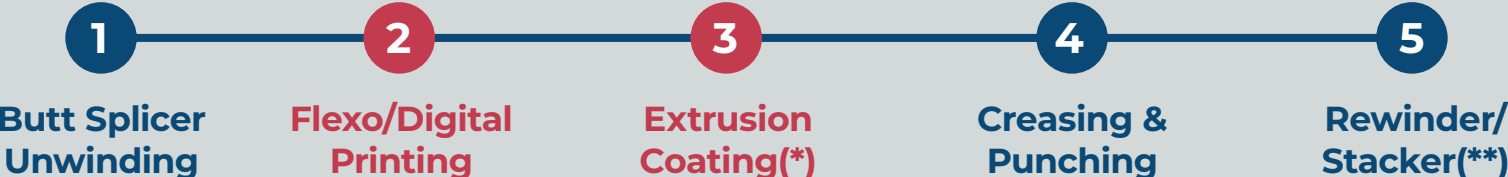
We provide **customized solutions** according to your needs, depending on the end-use applications and your production line setting:

- CI Flexo Printing
- SIL Flexo Printing


UV/UV-Led, Solvent or Water Based Inks – mid or wide web applications

Liquid Packaging – Our Integrated Offering

Our Offering covers the **full range** of equipment needed for Printing and Converting Liquid Packaging End-use applications.



 Core Equipment

 Accessory Equipment, also provided by our partners, is fully integrated

(*) In case of Fresh Liquid Packaging, Extrusion Coating is done before printing

(**) Only for Reel-to-Sheet processes



Liquid Packaging – Our Printing Technologies Capabilities

Our unique capabilities for printing on paperboard with **flexo technologies**.

FLEXO PRINTING

CI

SIL



Water-based inks



Solvent-based inks



UV/UV-Led inks



Paperboard Printing

Liquid Packaging – Our Extrusion Coating Technologies Capabilities

Our unique capabilities for **extrusion coating**.



EXTRUSION COATING

**Coating & Laminating
for PE, Paper, Aluminium**



PE



Paper



Alu



Liquid Packaging – Our Flexo CI Race for Liquid Packaging

Our portfolio of Flexo **CI** machines for **Liquid Packaging**.

ONYXRACE LqP

The **best Flexo CI Press**
in the Market designed
specifically for **Liquid**
Packaging Applications.



Liquid Packaging – Our Flexo CI Race for Liquid Packaging

High Production Capacity.

Printing Colors
Up to 8 Colors

Printing Speed
Up to 600 mpm

Printing Width
Up to 1650 mm

Printing Repeat
Up to 850 mm

Ink Type
Water Based



Liquid Packaging – Our Flexo CI Race for Liquid Packaging

Our **Long-lasting Experience** with **Liquid Packaging** printing ensures unique technological capabilities in the market.

ONYXRACE LqP - Unique Benefits

- **Enhanced Drying Capacity** - both on CI Drum and Tunnel
- **Versatile Configurations:** available both face-down and face-up configurations for Creasing & Punching
- **Greatest Robustness** for printing heavy-duty material
- **Seamless Integration** with special **Equipments** (e.g. Special Unwinders/Rewinders, Creasing & Punching)



Liquid Packaging – Our Levante LqP for Extrusion Coating

The greatest technologies for **high quality** extrusion coating.



Our new **Extrusion Coating machine** powered by **GAP**

LEVANTE LqP



Liquid Packaging – Our Levante LqP for Extrusion Coating

In-depth **knowledge of production process** and **applications**.

LEVANTE LqP - Unique Benefits

- Precise **Melt Temperature Monitoring** at any production speed;
- Use of **First-Class Extrusion Dies** providing **mono or co-extrusion arrangements** for multi-layer structures;
- Special **Chill-Roll executions for best cooling performances** and **constant surface temperature control over production time**;
- High performing **drying system** for primer to achieve **highest material adhesion**;
- Special flame or **ozone treatments for high performance productions**;
- Shafted or Shaftless unwind and winder, single or double direction turrets design with **automatic splicing**.



Liquid Packaging – Our Levante LqP for Extrusion Coating

High Production Capacity.

Max Speed up to 600 mpm.

Max Width up to 2500 mm.



Fresh Liquid Packaging – Our Process Expertise

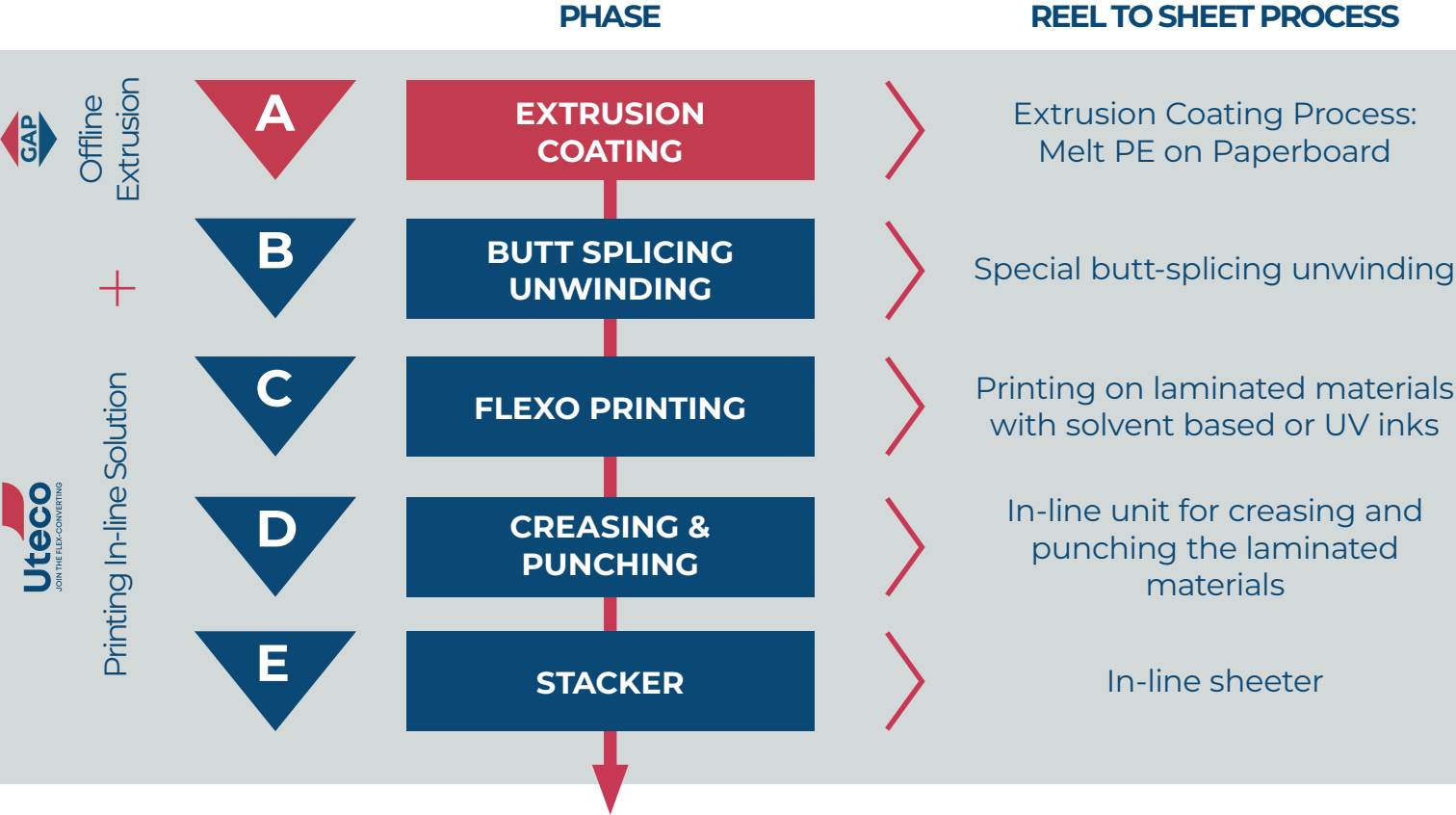
We have the right expertise for **Fresh Liquid Packaging application.**

PRE-SEALED GABLE TOP



Fresh Liquid Packaging – Reel-to-Sheet Printing & Converting

Our Integrated process **Extrusion Coating + Flexo Printing.**



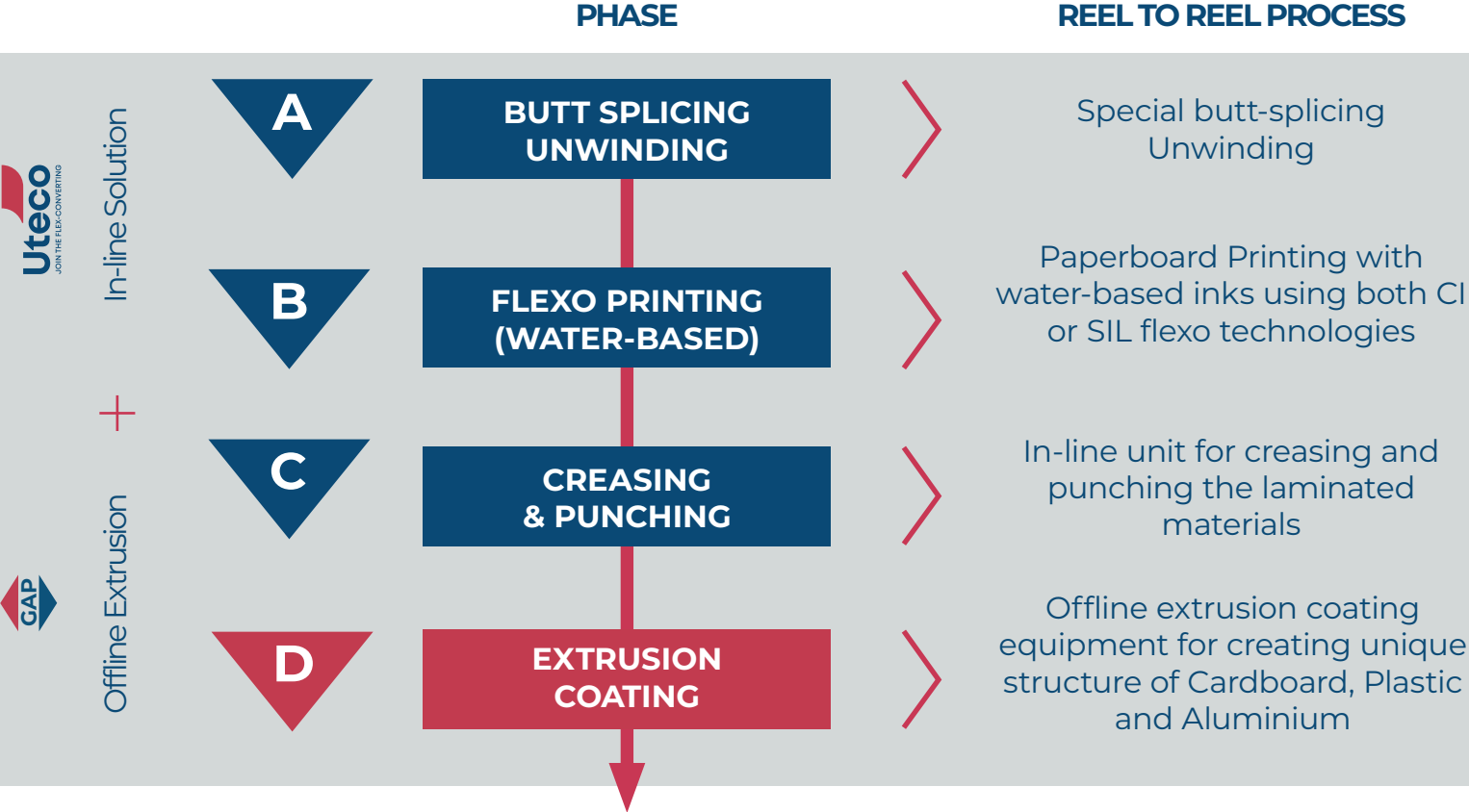
Aseptic Liquid Packaging – Our Process Expertise

We have the right expertise for **Aseptic Liquid Packaging application.**



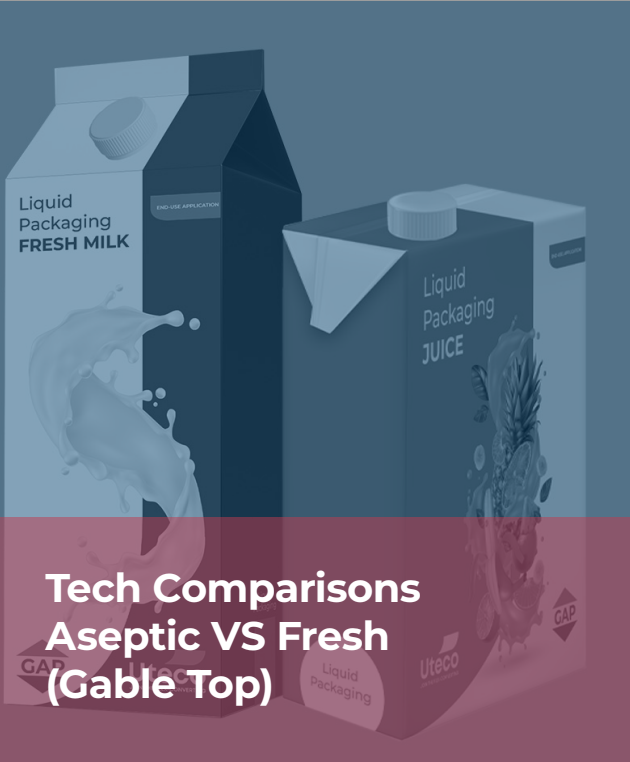
Aseptic Liquid Packaging – Reel-to-Reel Printing & Converting

Our Integrated process **Flexo Printing + Extrusion Coating**.



Liquid Packaging – Tech Comparisons

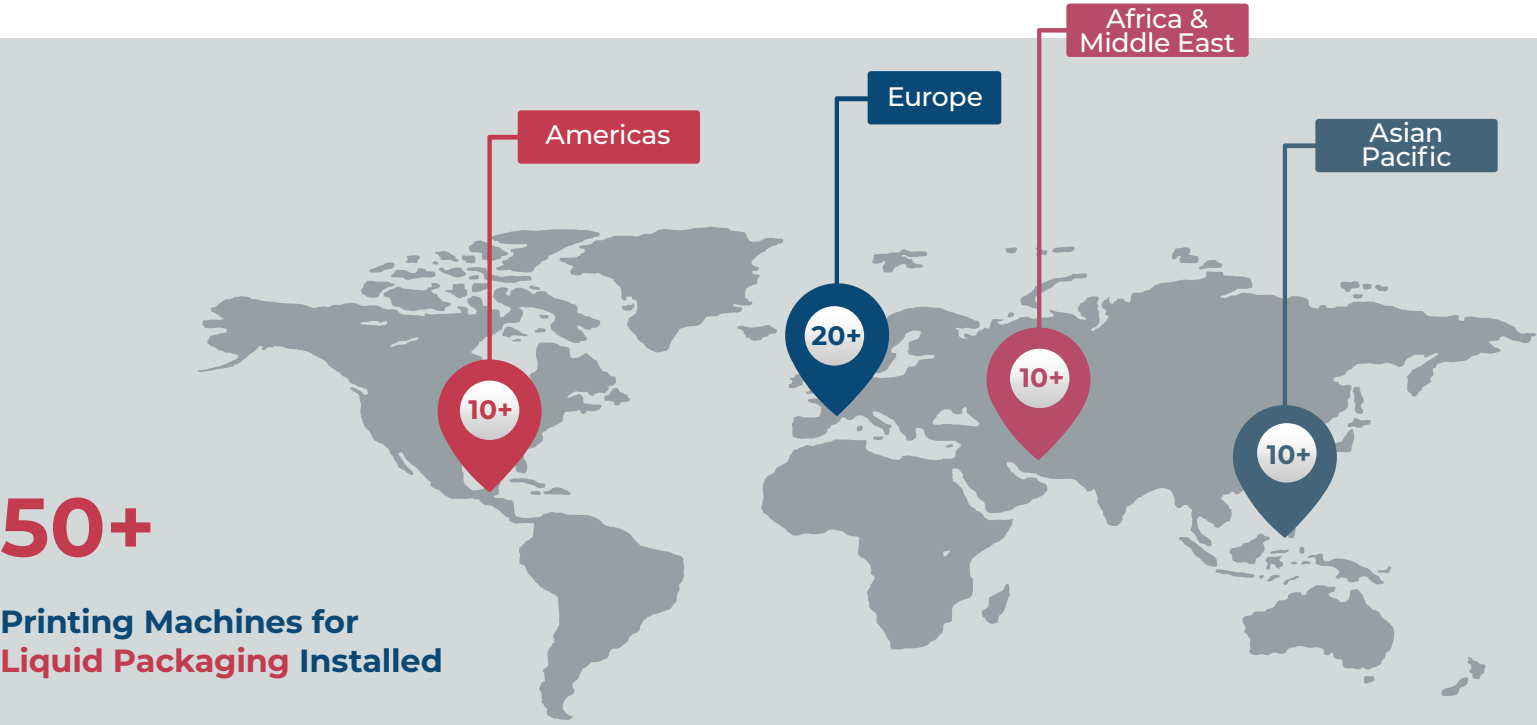
Aseptic & Fresh Liquid Packaging technologies & process comparisons.



Parameter	Aseptic	Fresh (Gable Top)
Process	(1) Printing + (2) Extrusion	(2) Extrusion + (1) Printing
Material width	Up to 1650mm	Up to 1560mm
Output	Reel (Reel-to-Reel Process)	Sheet (Reel-to-Sheet Process)

Liquid Packaging – Worldwide References Geo Map

We have a significant number of installed lines for **Liquid Packaging**.



Our Consultancy Service

Process and Technologies Integration Expertise.



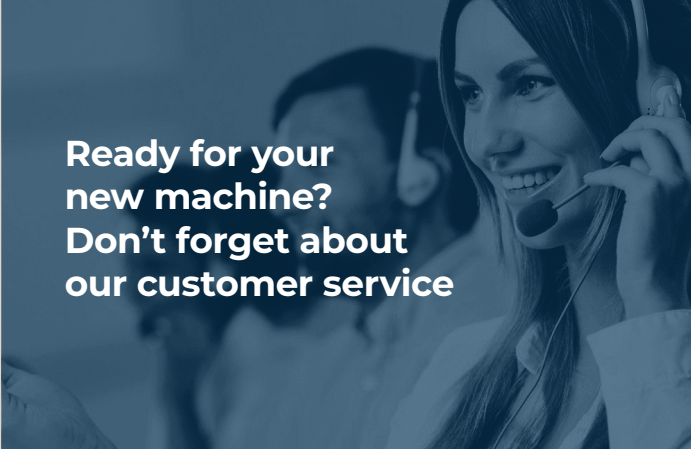
- Our Consultancy Services allows our customers to get the best out of their equipment, following the perfect integration path of all the different technologies for the best results.

**Our Liquid Packaging
Consulting Service**

Our Customer Service

Our Customer Service has **everything you need.**

Our expert **Customer Service teams** are **available 24/7** to respond quickly and effectively to requests for maintenance, repairs and operational renovations to machinery and systems, **both on-site and remotely (My Portal).**



**Ready for your
new machine?
Don't forget about
our customer service**

On Field Assistance

We provide complete life-cycle support services and printing processes to ensure maximum performance throughout the entire lifespan of the machine.

Remote Assistance

Thanks to the newest technologies available on the market we guarantee the best real-time support.

Upgrades Service

We provide improvements of the efficiency and performances of your machine's processes, aligning them to the latest technological market trends.

Spare Parts

We have a series of spare parts checked and guaranteed by us.

Equipment

We offer equipment solutions to be added to your specific machine to boost its performance and efficiency.



JOIN THE FLEX-CONVERTING



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