



Upgrades Service

A FULL RANGE OF UPGRADES
FOR ALL YOUR NEEDS


Uteco
JOIN THE FLEX-CONVERTING

Our Upgrades Overview

Our Service Portfolio offering has always provided a wide range of **Upgrades** on your printing machines, for all your needs.

We have extended this offering package with a selected **20 Standard Upgrades** tailored to all your core needs and grouped according to the value add they bring.



Improve your processes' efficiency and performances with our Upgrades



**Discover our
Upgrades Service**

Our Standard Upgrades offering

PERFORMANCE IMPROVEMENT

Reduce machines **downtimes** and improve changeover timing

EFFICIENCY IMPROVEMENT

Improve machines **processes** or enable **new ones** using new technologies equipment



QUALITY IMPROVEMENT

Guarantee **high-quality output** and low level of outcome non-conformity

SAFETY IMPROVEMENT

Improve **Safety** of the working environment guaranteeing **maximum protection** and well being for the operators



1. Performance: Automatic Duplex Unwinders/Rewinders

Our upgraded version of the basic unwinder/rewinder standard with mono axis, but with **Duplex Automatic Axis**; suitable for unwinding/rewinding reels of different materials in one direction only.



**Duplex Automatic Unwinder/
Rewinder guarantees minimum
Machine downtimes**

It fits customers looking for very Performing Medium and Long Runs with Limited Downtime.

Benefits:

- **Higher Productivity:** reels change is performed automatically with no Machine Downtime
- **Reduce Operators' Workload:** reduced manual activities for the operators who can dedicate their time to other activities
- **Safe and Easy to Operate:** safer activities for the operators since less involved in manual and heavy activities of reel changing



**Up to +7 M Sqm / Year
of Printed Material**



**Up to +700 k€
Revenue / Year**

2. Performance: Automatic Washing System

Our **Automated Washing System** provides the best alternative to the manual washing process. It fits customers looking for Higher Productivity thanks to process automation and optimization.

Benefits:

- **Productivity:** washing cycles are quicker than manual operations, guarantee higher washing quality and the possibility of simultaneous washing of all printing units. Machine downtime for cleaning operations is much lower
- **Waste Reduction and Sustainability:** the automatic washing system allows to re-use the solvent circulating into the pumps and optimizes the flow of inks, reducing both solvents and inks wastage
- **Space optimization:** modular and compact system installed outside of the machine with easy access for maintenance



Up to - 50% Washing
Time Reduction



Up to +5 M sqm
Printed / Year



Up to +450 k€
Revenue / Year

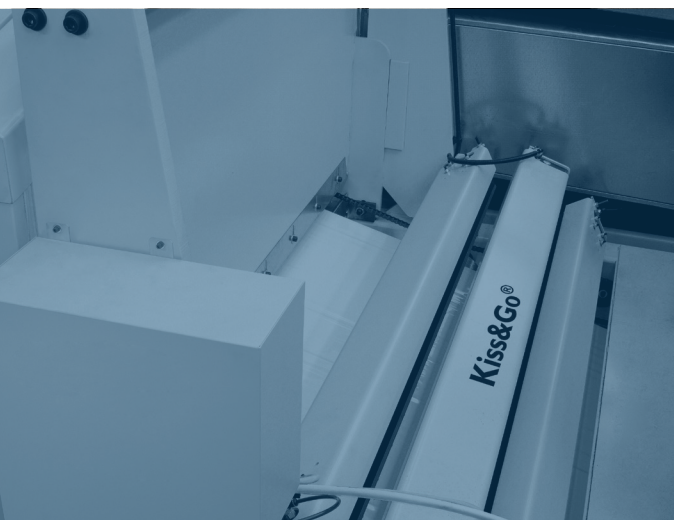


**Automatic Washing
System for Effective
Cleaning in Short Time**



3. Performance: Kiss & Go System 2.0

Our **Kiss & Go 2.0 System** fits customers who want to boost machine performances with the **Automatic Set-up** of the printing pressure at the start up of every new job.



Kiss and Go 2.0 to reach the greatest printing accuracy performances

Benefits:

- **Higher Productivity:** printing pressure automatic adjustment means having the perfect setting for optimal printing quality. The automation guarantees machine short startup time, allowing more time for production
- **Material Waste Reduction:** fast start-up at each job changeover means a drastic reduction of consumable materials' wastage which is unavoidable when performing the activity manually
- **Quality Guarantee:** Repeatability and precision not depending on the skillfulness of the operator. Suitable and reliable on any inks type and printing plate.



Up to 3x Faster
Job Setup



Up to +5 M sqm
Printed / Year



Up to +400 k€
Revenue / Year

4. Performance: Electrostatical Reels Changeover

Our **Electrostatical Reels Changeover** automatically winds-up films or papers on cardboard without using adhesives or glues.

It fits customers who want to shorten the reels' change timing by substituting the manual activity of adhesive application with an automatic process.

Benefits:

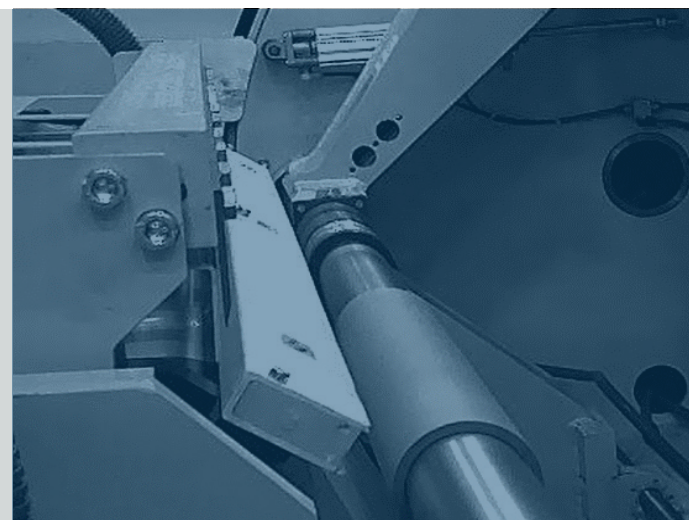
- **Productivity:** the automatic application of the mechanism provides maximum operating speed and precision in reel's changeover. No dedicated operator following the process since the step is automatic
- **Adhesive Savings:** Thanks to the replacement of the double side adhesive application with an automatic application, there will be no adhesive use and waste



**No Operator Intervention
and No Adhesive Usage**



**Up to +50 k€
Revenue / Year**



**Boost productivity without
wasting materials through
automatic systems**



5. Performance: Automatic Reel Change for Rewinder

Our **Automatic Reel Change for Rewinder** fits customers looking for solutions to **Automatize** the reel's change with automatic cut off methods.



**Automatic Reels change
to automatize the process of
reel's change**

This automation technology fits customers working with small reels' diameters and frequent changes.

Benefits:

- **Optimize FTEs:** the automatic systems make it easy for the operators to collect rewinded reels and transport them elsewhere. The required manual work is greatly optimized
- **Reduce Operators' Workload:** thanks to the automated process, the operator is not committed in the heavy operation associated with manual reel's change



**Save up to 50%
of man-power**



**Safer Working
Environment**

1. Efficiency: Slitting Device for Rewinder

Our **Slitting Device** with Motorized widening roller enables customers to add to their current processes also the converting (slitting) of papers and film.

Large rolls can be cut into narrower ones (up to 3 reels) of different widths, without the deployment of an additional off-line slitting machine.

Benefits:

- **Printing & Cutting Process Integration** 2-in-1 process, avoiding separate cutter machine purchase: more expensive and space invasive
- **Costs Optimization:**
 - No dedicated operator working on a separate cutting device: the same operator follows the integrated printing and slitting process
 - Reduction time of reel's management and transportation. No need to remove, transport and insert the reels between print presses and slitting machineries



Up to 300h/y saved and Up to 10k€ saved in Reel's Management



No Additional Dedicated Operator on Separate Slitting Device



2-in-1 Process that boosts efficiency in production processes



2. Efficiency: Reprint Unit*

Our **Reprint Unit** allows to keep constant the tensioning of the substrate which needs to be **Re-printed** and **in-register** with the already printed graphics, thanks to a reprint sensor.

It fits the needs of customers looking for “Spot” and non-recurring Re-printing of substrates due to production changes.

Benefits:

- **Efficient Solution for (non-recurring) Reprinting Jobs:** no need to purchase a separate and expensive stack unit
- **Flexibility and Versatility:** different customers needs can be managed with more flexible solutions, printing or varnishing on already printed reels in a timely manner

**Efficient Reprint Solution
for Spot Jobs**



**Save Up to 70% than Purchase
of a Reprint Stack Unit**



**Acquire Versatility in
Printing Activities**

*It can be installed only when infeed unit present

3. Efficiency: Ink Cartridge

Our **Ink Cartridge** is directly positioned on the printing unit and entails the application of small quantities of “special” colors.

This allows customers to apply limited amounts of expensive colors without using the main inking system, which needs larger quantities to be pumped into the color circuit.

Benefits:

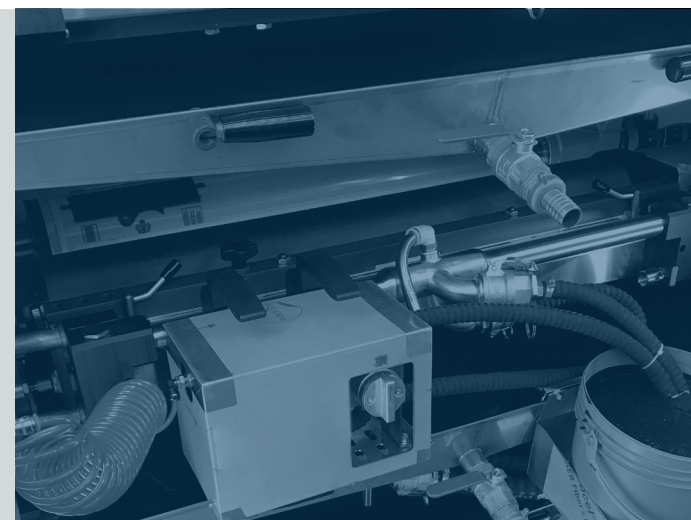
- **Ink Waste Savings:** no need the full filling of the ink tank and of the machine's pumps system
- **Solvent Waste Savings:** no need the full filling of the solvent tank for the washing system
- **Process Enhancement:** more precise measurement of the color dosing especially for specific printing applications (e.g., silver/gold printing details)



Up to 8 Liters Inks and up to 12
Liters Solvent Saving per Job



Up to 15k€ Inks and Solvents
Savings / Year



**Ink Cartridge allows the
usage of “special color”
with minimum waste**



4. Efficiency: Air Recirculation System controlled by LEL

Our **Air recirculation system** by **LEL Control** fits customers looking for technologies able to reduce the costs associated with air treating systems and get Energy Costs Savings.



Saving on Heating Energy Costs means boosting Sustainability

■ This system in fact optimizes solvent and energy consumption. It suits Water-Based inks application.

Benefits:

- **Thermal Energy Savings:** the costs associated with gas/oil (energy source) and electricity consumptions of the air systems can be reduced thanks to the recycling of the hot air, meaning less power is needed for heating cold air
- **Higher Security and Reliability:** accurate monitoring of solvent concentration (LEL system sensors) means total safety for the operator
- **Higher Sustainability:** the environment benefits from a significant reduction of the solvent flow rates in discharge and in the air



Save Up to 45 k€ / Year on Energy Costs



Save Up to 134 t / Year of CO2 Emission

5. Efficiency: Electric Battery for Heating Systems

Our **Electric Battery** fits customers looking for solutions to switch from gas energy sources for drying system to electric heating system.

The electric battery consists of heating elements connected to units with variable power optimized according to customer's requirements and machine's effective use.

Benefits:

- **Lower Maintenance Costs** with respect to gas-based heating system, which is more costly to sustain
- **More Sustainable** thanks to the possibility of switching to alternative sources of renewable energy solutions to power the battery



Switch to Renewable Energy as
Heating Sources Power



Potentially set to zero all Gas
Consumption and Emissions



Substitute Gas Power
Source of Heating System
with Renewable Energies



1. Quality: Brush Widener Roller

Our **Brushed Widener Roller** fits customers looking for a versatile and cost-effective solution for removing visual defect such as creases that may arise during the processing of plastic films and laminated fabrics.



Non-motorized
widener roller

Brushed widener rollers is installed without the usage of motorized technologies.

Benefits:

- **Higher Quality:** eliminating material “creases” means guaranteeing high quality of the printed reel and avoid cases of material non-conformity
- **Cost-Effective Solution:** the system represents the most cost-effective solution for widening the material: low investment and optimal outcome



Higher Quality



Most effective Cost
Solution for Widening

2. Quality: Bow Widener Roller

Our **Bow Widener Roller** fits customers looking for the most performing solution for **Removing Visual Defects** such as creases that may arise during the processing of plastic films and laminated fabrics due to imperfect tensioning of the material.

They are used for Separating the substrate After the Slitting, ensuring rewinding without overlapping of the cut tracks. The system is motorized to guarantee maximum output quality.

Benefits:

- **Higher Quality:** motorized technology allows to run at high printing speed while guaranteeing perfect material stretch after the slitting and optimal rewinding, ensuring no creases or visual defect
- **Reduce Wastes:** the perfect separation of the cutting tracks allows the reduction of material's wastes for cases of material non-conformity



Higher Quality



Reduced Risk
of Material Waste



Motorized Widener Roller



3. Quality: Infeed Unit

Our **Infeed Unit** fits customers looking for an upgraded version of the process of **Material Tensioning** of special thin and stretchable films.



Infeed Unit to guarantee the perfect quality through material tensioning

The system will ensure consistency of the material stretching and consequently the printing format before entering the printing group.

Benefits:

- **Higher Output Quality:** the system allows an ensured Stabilization of the material input, by keeping the print repeat length fixed throughout all the printing process, making sure printed reels fit the requirements
- **Process Repeatability:** the infeed unit ensure the repeatability of the processes' settings



Higher Print Quality



**Ensure Constant
Print Repeat**

4. Quality: Inks Thermoregulation

Our **Inks Thermoregulation** fits customers looking for precise controlling and regulation of **ink Temperature**, as per technical specifications of the inks.

The system works thanks to a circuit in which hot and cold water can flow to adjust the ink temperature.

Benefits:

- **Standardization of Product Quality:** the correct management of the ink temperature affects its viscosity and, in turn, the printing quality.
- **Specific Inks Application:** the system has a specific added value for customers operating in hot countries or environment where high temperatures may affect the proper viscosity of the printing inks



**Product Quality
Standardization**



**Proper Ink's Viscosity
Management**



**Ensure a constant
temperature monitoring for
the best output quality**



5. Quality: Triple Blade

Our **Triple Blade Quick Change Closed Doctor Blade** fits customers looking for an advanced system for blading: quick change mechanism and **3-Blades** versus the traditional configuration with 2-blades and manual insertion mechanism.



Triple Blades for perfect blading at high speed with reduced “Ghosting” Issues

Benefits:

- **Maximum Blading Quality:** the system has proven to eliminate “Ghosting” issues in printing process. The presence of an additional blade ensures that the anilox cells are always properly filled with the right density of ink, ensuring high quality printing
- **Optimized Press Speed:** the system allows to run at high speed and avoid machine downtime due to printing defects derived from ghosting. It guarantees the perfect automated mechanism with no losses of production capacity



Reduce “Ghosting” Problem with Limited Downtimes



No Installation Required

6. Quality: Web Cleaners

Our **Web Cleaner** fits Customers who want to remove dust and contaminant particles from the printing substrate. An electrostatic charge cleans the web and guarantee the perfect ink's adhesion.

Benefits:

- **Increased Printing Quality:** the system removes 100% of contaminant particles, ensuring printing quality is not altered by these particles.
- **Enhanced Machine Performance:** the system avoids machine downtimes due to cleaning procedures caused by possible dust accumulations. This entails better machine management, through reduced mechanical maintenance



Higher Print
Quality



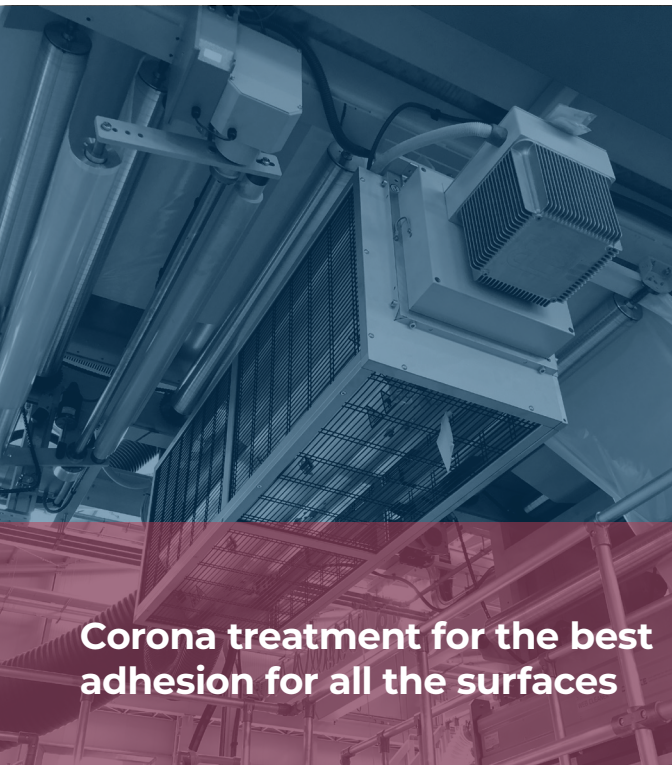
Clean Production Environment
boosts Productivity

Web Cleaner to get rid
of dust and particles in
printing processes



7. Quality: Corona Treatment

Our **Corona Treatment** fits customers looking for a system to improve the Wettability capabilities of the substrate, especially those with non-porous surfaces and Low Surface Tension, resulting in low adherence of substrates, printing inks, adhesives and coatings.



Corona treatment for the best
adhesion for all the surfaces

Benefits:

- **Higher Output Quality:** the materials treated demonstrates improved printing quality, thanks to constancy of the material shot too.
- **Reduction of Ink Waste:** the improved ink adhesion for printing entails a more equal ink distribution, minimizing ink wasting levels at minimum levels



High Print Quality



Reduction of Ink Waste

8. Quality: Print Sleeve Cylinder

Our **Print Sleeve cylinder** fits customers looking for systems able to **reduce Vibrations** during printing processes in order to guarantee an enhanced printing output quality.

Benefits:

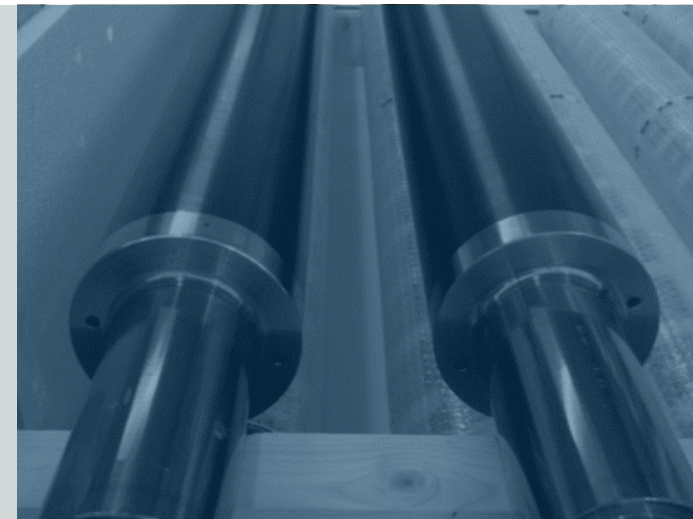
- **Higher Print Quality:** the system ensures the lowest level of resonance in the cylinder, thanks to absorption of the vibrations, especially at high printing speed, which could lower printing quality
- **Higher Printing Format Versatility:** the carbon made structure of the cylinder ensure no vibrations even for the smallest printing format, where the cylinder is very small and requires high standard of rigidity



High Print Quality



Higher Print Repeat's Versatility



Carbon Made Print Sleeve Cylinder to avoid resonance and vibrations while printing



1. Safety: Antistatic Bar

Our **Antistatic bar** fits customers looking for systems that prevent ignitions due to **Static** charges on the substrate: static charges on the printed web, due to frictions, spark to the CI drum. These sparks can ignite flammable solvents.



Reduce static phenomena in
printing processes

Benefits:

- **Safe Environment for the Operator:** by neutralizing static on both sides of the substrate before printing, the antistatic bar will ensure that no ignition of solvents can happen
- **Higher printing speed:** the higher the speed, the higher the static charges on the substrate. The antistatic bar allows to eliminate them at any speed.



Safer Environment for the
Operator



Higher Printing Speed
Possible

2. Safety: Chamber Doctor Blade in Carbon Fiber

Our **Chamber Doctor Blade in carbon fiber** is an upgrade of standard doctor blade with manual insert mechanism of the blades: the system enables fast blade and side seals replacement without using any tools or manual adjustment.

Benefits:

- **Longer Equipment Lifecycle:** the system allows a more careful and precise doctor's blade conditioning monitoring, anticipating preventive wears which occur more uniformly
- **Safer Work Environment:** correct blade's positioning implies less probability of metal parts detaching, causing the anilox to wear and possible incidents



**Higher Safety for
the Operator**



**Longer Equipment
Lifecycle**




**No Installation
Required**

**Quick and Safe Change
of the Blades**



Our Company

Printing and converting: all round **high tech innovation**.



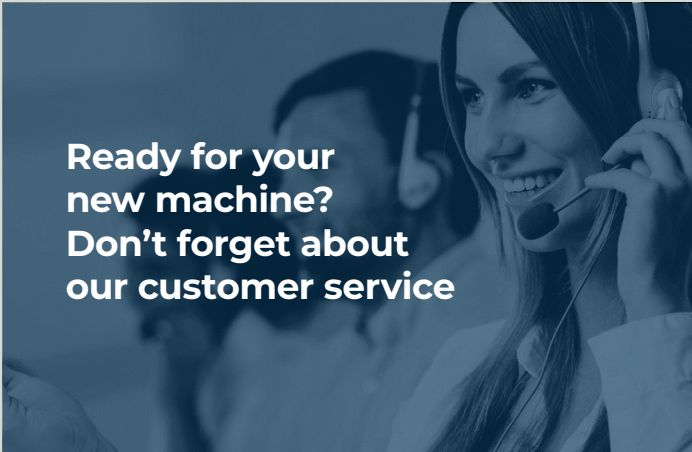
■ We provide innovative and flexible solutions from a wide range of flexographic, gravure, digital printing, and laminating and coating machines, and a corollary of comprehensive training and support services.

■ We develop special and customized configurations of high technological value, with an ongoing commitment to research and innovation, organizational flexibility, engineering capabilities for final solutions, optimization of production processes, and a fast and efficient worldwide service network.

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.



Contact us

A blue-tinted photograph of call center agents wearing headsets, smiling and talking on their phones.

**Need more info?
Contact us anytime
you want**

**Would you like to know more
about our Standard Upgrades
Service?**

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JOIN THE FLEX-CONVERTING





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