



# Onyx Go

THE BEST CI FLEXO FOR SHORT RUNS



## Onyx Go

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The **Best Flexo CI Press** for Short Runs, **EVER!**



# Why Onyx Go?

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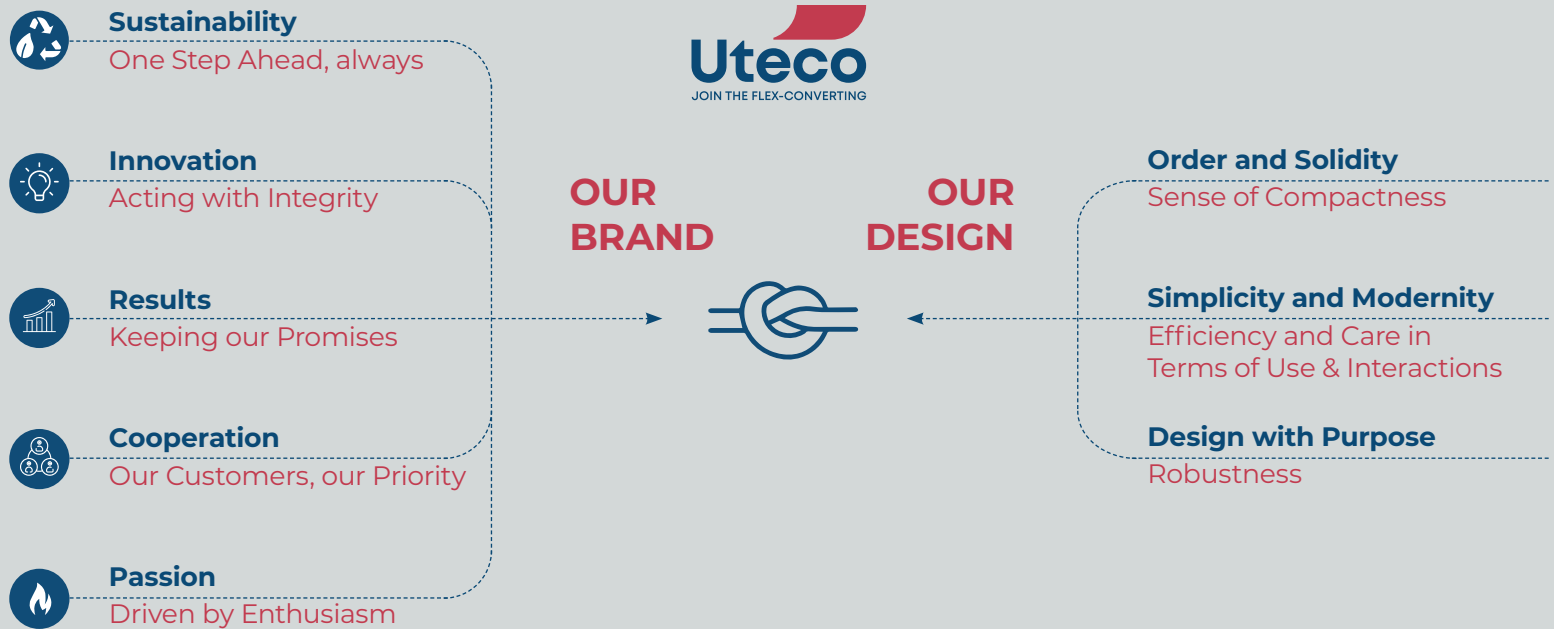
ONYXGO

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- 1 The Greatest **Industrial Design**
  - 2 The Most **Productive**
  - 3 The Most **Sustainable - ACTIVE PACK**
  - 4 The Most **Compact**
  - 5 The Most **Robust**
  - 6 The Most **Versatile**
  - 7 The **Easiest** and **Safest** to Operate



# 1. The Greatest Industrial Design

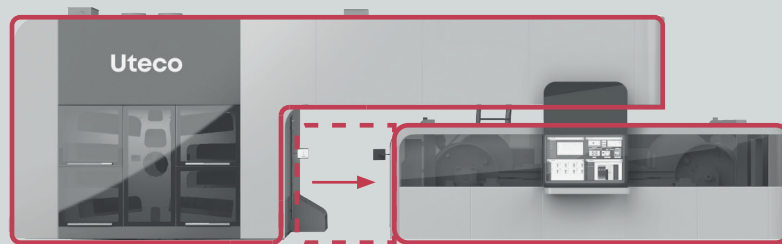
The **strong bond** between **brand values** and **industrial design** creates and enhances the perception of **Uteco's brand** and its values.



# 1. Order and Solidity, Simplicity and Modernity

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Overall shape obtained by **a disruption** of a **unique solid block**.



**Core Print Unit**

**Complementary High-Tech Unit**

The separation generates **coherency between** the two **complementary shapes**

All parts enclosed in a simple and **unified volume** and **unique macro and solid shape**



**ICONIC DISTINCTIVE SHAPE**



**TIMELESS DESIGN**



# 1. Design with Purpose

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**Designed** according to **principles** that are **functional** to the greatest productivity.

## DESIGN WITH PURPOSE, PERFORMANCES DRIVEN

Our **modus operandi** is strictly connected to great **printing performances**.

The hub of Uteco's printing technology deserves a special role in the design system.



**DESIGN AS SEAL OF QUALITY  
ON THE PERFORMANCE  
DELIVERED**



**ROBUSTNESS**

# 1. Performance Driven Design

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The **operator** is at the center of our new **design**, giving the Onyx Go unique **ergonomic** features.



## 2. The Most Productive

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The **Fastest** Printing **Speed** in the Short Runs Flexo Segment, **Ever!**



Printing up to 50 M  
sqm / year

Max Speed **400 mpm**

Max Print Width **1320mm**

(3 versions: 820mm-1020mm-1320mm)



**BEST FOR ULTRA SHORT  
AND SHORT RUNS**



## 2. The Most Productive

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The **Fastest Changeover** in the Short Run Flexo Segment, **Ever!**

**< 3 Min** for Printing Pressures and Register Setup<sup>(\*)</sup>

**Up to 55%** Faster Setup Process<sup>(\*)</sup>



**UP TO 1,8M€ HIGHER REVENUE /  
YEAR OF EXTRA PRODUCTION<sup>(\*)</sup>**



**Gain Up to 240 Extra  
Hours of Production/year**

<sup>(\*)</sup> Compared to Competitor Solutions in the same flexo segment



## 2. The Most Productive

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The **Fastest Changeover** in the Short Run Flexo Segment, **Ever!**



Recognition of the 3D  
Cliché's Characteristics

### Our automatic system for cliché's 3D characteristics recognition

- The **printing setup** info are **transmitted** to other machine **components** such as the drying and inking systems
- **Fast setup** of any printing job type
- **Repeatability** over different jobs



**ACTIVE START FOR**  
**PRINTING PLATES RECOGNITION**

## 2. The Most Productive

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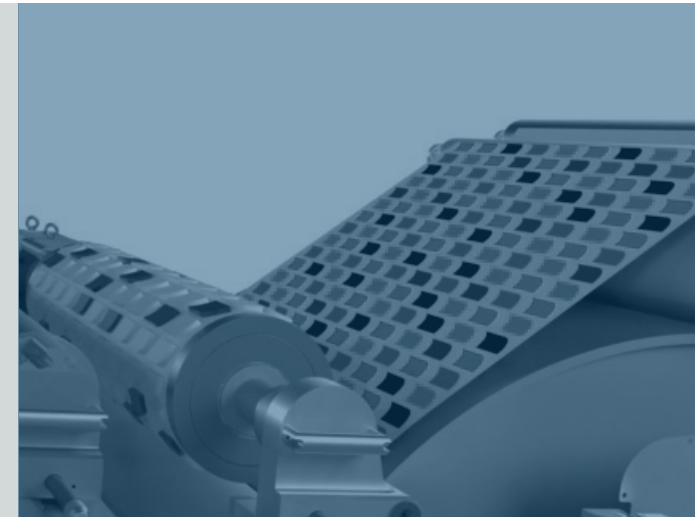
The **Fastest Changeover** in the Short Run Flexo Segment, **Ever!**

**Our automatic system for printing pressure and register setting**

- **Automatic adjustment of printing pressure** among the cylinder, cliché and substrate
- **Printing register** is almost **instantaneous**
- Null or limited maintenance required since fully **software based**
- **Repeatable performances** over time



**ACTIVE START FOR PRESSURE  
AND REGISTER SETTING**



**Automatic Setting of  
Printing Pressure and  
Register**



### 3. The Most Sustainable - Our New Active Pack

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**Active Pack** allows to equip our new flexo CI press **Onyx Go** with top-notch technologies for **sustainability**.



Active pack consists of:

**ONYXGO**  
**ACTIVE PACK**

Active Start  
Active Dry®  
Active Ink

### 3. The Most Sustainable - Our New Active Pack

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With **Active Pack** your new machine is **for free!**

Active Pack can **save you 100+ k/€** each year on energy and material consumption and actively have **your machine repay for itself with time.**

Our Active Pack techs are unique in the flexographic industry for **energy saving** and **consumable material saving**, making Onyx Go the **most sustainable** CI flexo press for short runs.



**ACTIVE PACK**



**Saving of 100+ k/€ per year  
with Active Pack**



### 3. The Most Sustainable - Active Pack: Our New Active Start

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The **Lowest Material Waste** in the Short Run Flexo Segment, **Ever!**



#### ACTIVE PACK

Active Start

Active Dry®

Active Ink

Up to 200 km/year  
of material gained

#### Only 18m Material Wastes During Setup Phase

Thanks to the Automatic Printing Pressure and instantaneous Register Setting System is possible to minimize the wasted material at each print run.

#### < 3 Min for Printing Pressures and Register Setup<sup>(\*)</sup>



**ACTIVE START**  
SAVE UP TO 35 K€/YEAR OF  
WASTED MATERIAL

### 3. The Most Sustainable - Active Pack: Our New Active Dry®

The **Most Sustainable** Drying System, **Ever!**

**New patented Smart&Intelligence System** to optimize **Energy Consumption** on Drying System

- **Drying power** is **regulated** according to the printing characteristics: use only the drying power needed for each printing unit
- **Ventilation system** guarantees **perfect insulation** of environment for the operator



**ACTIVE DRY®**

**ACTIVE PACK**

**Active Start**

**Active Dry®**

**Active Ink**

**Save Up to 50% / Year of Energy Consumption (\*)**

(\*) Vs comparable flexo press on the market without our New Patented Smart Drying System



### 3. The Most Sustainable - Active Pack: Our new Active Ink

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The **Most Sustainable** Inking System, **Ever!**



#### ACTIVE PACK

Active Start  
Active Dry®  
Active Ink

Save Up to 60% / Year of  
Energy Consumption (\*)

■ **Smart ink dosing** given the printing characteristics detected on the cliché

- Pump always the **optimized quantity** of **ink** needed to each printing unit
- **Optimized positioning** on the side of the CI drum allows less ink into the circuits



ACTIVE INK

(\*) Vs Comparable flexo press on the market without Active Ink



### 3. The Most Sustainable - Our New Sprint Wash

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The **Most Sustainable** Washing System, **Ever!**

**Constant Washing Performance** on all the printing units, regardless of their position

- **Fast:** complete washing cycles completed in **<3 Minutes**
- **Efficient:** new positioning and more compact piping that guarantee **solvents' consumption saving**



**SPRINT WASH**



**Save Up To 40% / Year Of Solvent Consumption (\*)**

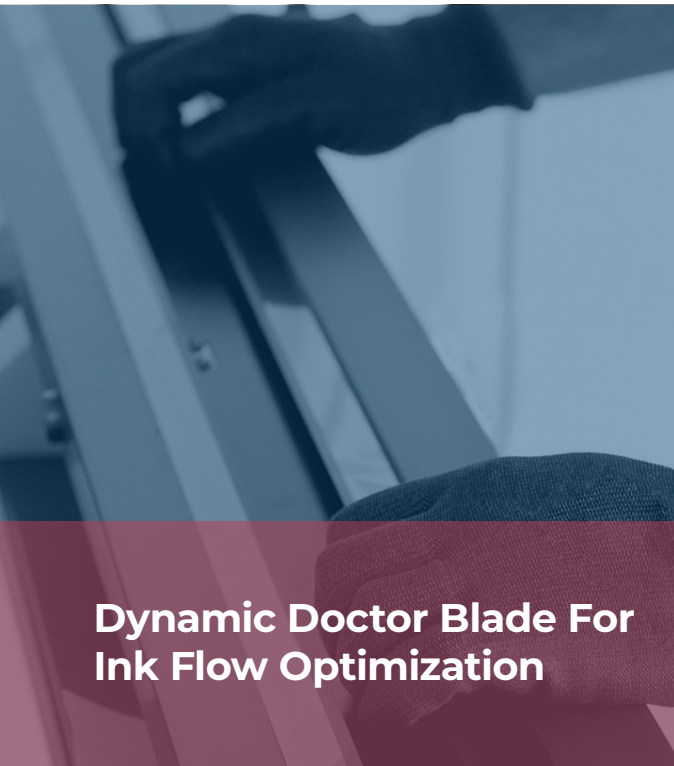
(\*) Vs Comparable flexo press on the market without Sprint Wash



### 3. The Most Sustainable - Our New Dynamic Doctoring®

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**Extremely Lighter Doctor Blade** that Optimizes the Ink Flow.



**Dynamic Doctor Blade For  
Ink Flow Optimization**

#### **Dynamic Ink flow Regulation**

- **Automatic regulation of inks flow** by means of dynamic dumpers placed on the sides of the Doctor Blade – opening/closing the ink flow
- **Optimized inking system pressures**, for greatest printing quality
- Extremely **light** Doctor Blade: less than 10Kg
- **Reduced blades wear** and consumption



**DYNAMIC DOCTORING®**

## 4. The Most Compact Flexo CI Press

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The **Most Compact** Flexo CI Press, **Ever!**

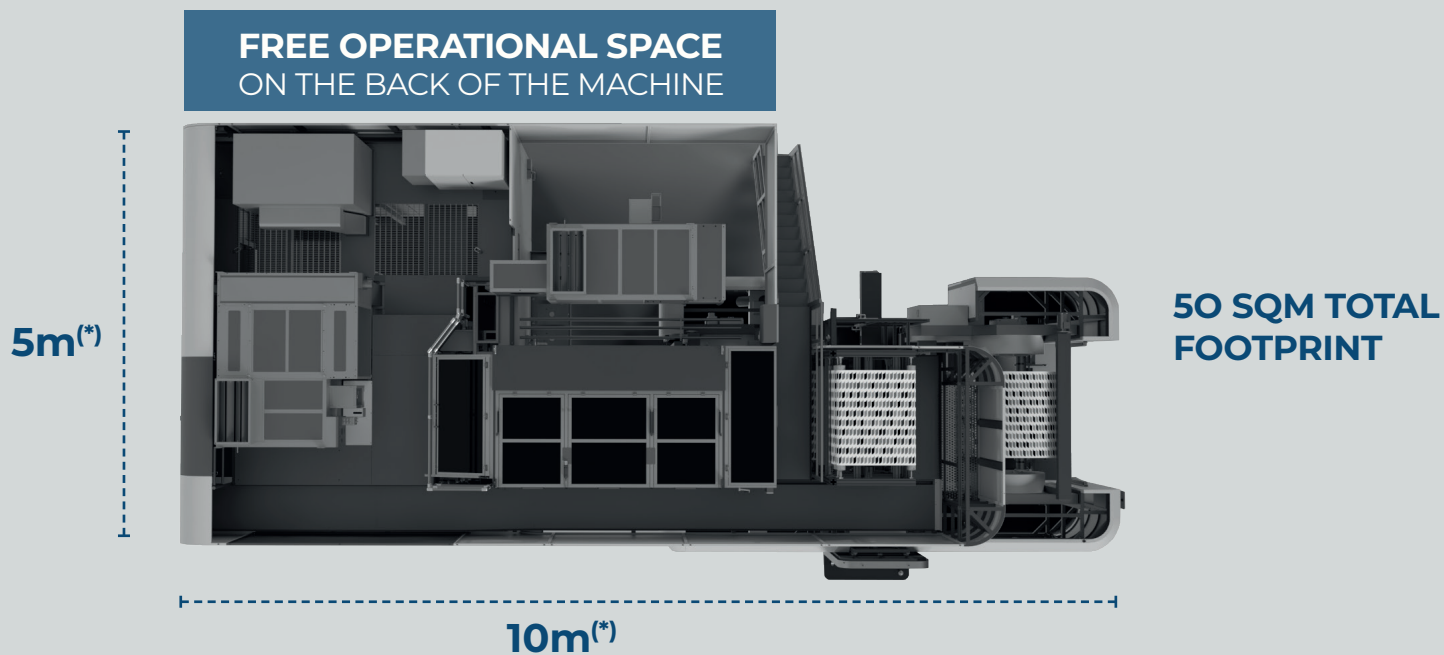


(\*) Figures refer to machine smallest configuration



## 4. The Most Compact Flexo CI Press

**Onyx Go Minimizes** The Off-Press Operating Space.



(\*) Figures refer to machine smallest configuration

## 5. The Most Robust CI Flexo Press – Our BounceVoid Technology

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The **Most Advanced Technology** to Eliminate the Bounce Effect, **Ever!**

**New** and **innovative geometry** of the **printing deck frame**, reinforced on the points more subjected to mechanical stress, reducing bouncing and vibrations effects.

- Highest quality printing at 400 mpm



**BOUNCEVOID  
TECHNOLOGY**



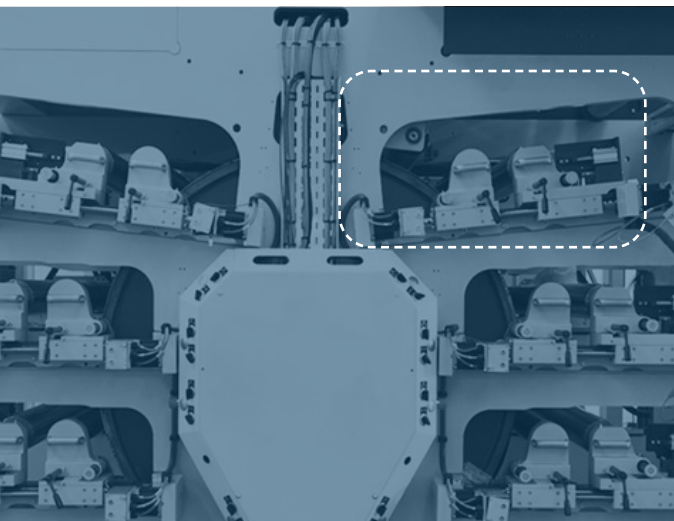
**BounceVoid Allows Great  
Machine Robustness For  
High Quality Printing At  
400 Mpm**



## 5. The Most Robust CI Flexo Press – Our BounceVoid Technology

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The **Most Advanced Technology** to Eliminate the Bounce Effect, **Ever!**



Our **new frame** is **reinforced** in correspondence of each plate cylinder with higher thickness and innovative geometries to guarantee maximum **robustness**:

- **New frame geometry** has been designed to counter-balance the bouncing effect (the frame absorbs the bouncing of the plate cylinder)
- **Print at high speed** for high productivity
- **Vibrations** are **absorbed** even at high speed (e.g. 400 mpm)

**High Quality Printing  
With No Defects**



**BOUNCEVOID  
TECHNOLOGY**

## 6. The Most Versatile CI Flexo Press

### THE MOST VERSATILE PRESS



#### MULTI-INDUSTRY

- ✓ Food (incl. pet)
- ✓ Beverages
- ✓ Pharma
- ✓ Healthcare
- ✓ Personal Care
- ✓ Home & Office
- ✓ Industrial



#### MULTI-MATERIAL

- ✓ Plastic Films
- ✓ Aluminium
- ✓ Paper
- ✓ Cardboards
- ✓ Laminates



#### MULTI-INK





- ✓ Water-based
- ✓ Solvent-based



## 6. The Most Versatile CI Flexo Press

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4 Kits Configurations For The **Widest End-use Applications.**

KIT TYPE	PURPOSE
 <b>KIT Water-Based</b>	Water-based printing inks entail special requirements, for example: stainless steel, pH control, anti-foam.
 <b>KIT Heavy Duties</b>	Manage properly heavy materials such as Cardboard or Paper which requires special tensioning and web threading mechanism.
 <b>KIT Tropicalization</b>	Productions sites located in warm areas need extra carefulness on the cooling systems and treatment of substrates, especially if the latter are very extensible.
 <b>KIT Aluminium</b>	Productions using Aluminium substrate.



## 7. The Easiest and Safest to Operate - Our New Dynamic Cockpit

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The **Most Ergonomic** Cockpit, **Ever!**

■ **Adaptive Cockpit** can be regulated according to the operators' heights for maximum ergonomics

- **High Tech HMI** optimizes the interaction with the operators
- It is connected with external systems for **real-time data monitoring and processing**



**DYNAMIC COCKPIT**



**Adaptive Cockpit for The  
Greatest Ergonomics**



## 7. The Easiest and Safest to Operate - Our New Dynamic Drying Box

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The **Most Ergonomic** And Functional Drying Box, **Ever!**



Fully Removable and  
Upgradable Drying Box

### Fully Removable Drying Box (Toolless)

- The operator can easily remove the drying box with a single move. This allows **direct access** to the **Central Drum** which becomes easier to clean and maintain
- **Replaceable nozzles: the operator can easily** replace the drying box nozzles with different shapes
- **Enhance the drying power** when needed



**DYNAMIC DRYING BOX**

## 7. The Easiest and Safest to Operate - Our New Dynamic Lift

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The **Most Ergonomic** access to the upper color units, **Ever!**

2 **Integrated lifts** within the CI Unit, positioned in correspondence of the first and last color units

- **Safer** and **easier** operations: the operator can easily reach the higher color units in complete safety
- No need for extra equipment or ladders



**DYNAMIC LIFT**



**The Easiest and Safest  
Way to Reach all Color  
Units**



## 7. The Easiest and Safest to Operate – Sprint Splash Guards

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The **Easiest** Attaching and Detaching System For **Magnetic Splash Guards, Ever!**



The New Magnetic Splash Guards Designed for Easy Removal

Easier and safer for the operator to **substitute the Splash guards** for washing and maintenance purposes

**Toolless** substitution since equipped with **magnetic system** for attaching and detaching



**SPRINT SPLASH GUARDS**

## 7. The Easiest and Safest to Operate – Fully Accessible Catwalk

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The **Most Accessible** Catwalk For a Flexo Press, **Ever!**

The Operator can easily access the **upper part** of the **machine** by means of a catwalk, extended to the total length of the machine.

- **Easier** and **safer** web monitoring of the **print result**
- **Easier access** to CI drum and drying system for **cleaning** and **maintenance**
- One **fixed ladder** is positioned on the rewinder rear side



FULLY ACCESSIBLE  
CATWALK



Easier Access for  
Maintenance and  
Cleaning



## 7. The Easiest and Safest to Operate – Noiseless Design

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The **Innovative Machine Casing** is Designed to **Contain Noises**.



The selected materials are the most performing for noise and vibration reductions.

- **The resulting noise level is <80dB**: similar to the best vacuum cleaner in the market
- **Combine more machines** in the same production site due to lower noise
- **Healthier work environment** for the operator – especially for long hours shifts



**REDUCED NOISE  
LEVEL**

## Technical Specifications

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Parameter	Unit of Measurement	Value
Material width	[mm]	820 - 1020 - 1320
Max/min print repeat	[mm]	260 ÷ 720
Max speed	[mpm]	400
Color Units	-	8/10
Material tension	[daN]	2 ÷ 40
Inks	-	Water/solvent/ UV/EB
L x H x W	[m]	10 x 5 x 4




### Onyx Go Technical Specifications



## Our Company

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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.

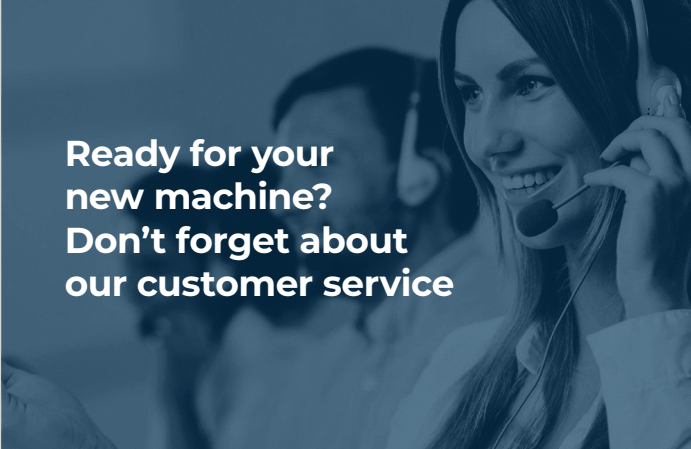


## Our Customer Service

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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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