



Flexography

THE MOST FLEXIBLE SOLUTIONS
FOR ALL YOUR PRINTING NEEDS



Our Most Recent Awards for Product Innovation

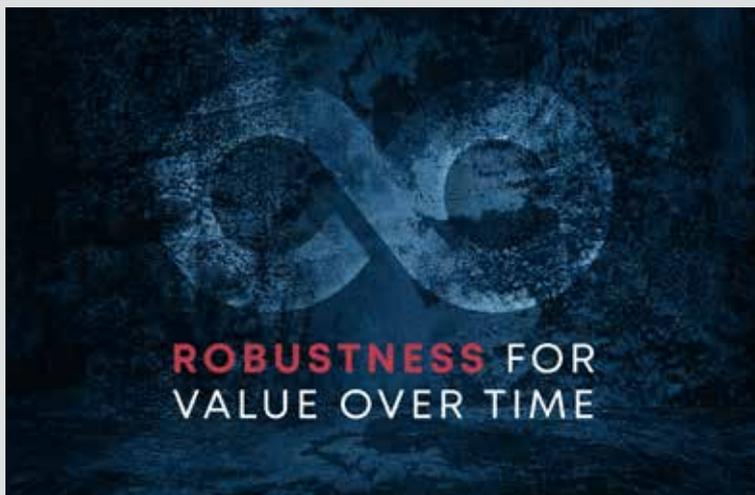


We have been recognized with **outstanding awards** for our **continuous Product Innovation** and **Corporate Sustainability**.



Robustness for Value Over Time

Our **Best Value** yet: **Robustness**.



At Uteco, we understand the importance of investing in machinery that not only delivers cutting-edge technology and design but also **stands the test of time** thanks to its **robust build**. Our machines are meticulously crafted in Italy, blending exquisite aesthetics with the latest advancements in technology. With an average of 15 years, **our machines ensure the longest lifespan in the market.**

We take pride in providing our customers with beautifully designed, technologically advanced machines that **provide optimal operation for an extended period of time.**



Our Flexographic Machines

Our printing machines for **Short Runs: Onyx XS, OnyxGO, OnyxOMNIA, and Topaz.**



ONYX XS



OnyxGO



ONYXOMNIA



TOPAZ

Our Flexographic Machines

Our printing machines for **Medium and Long Runs**: Crystal, **Onyx**, and **OnyxRACE**, and **Diamond HP**.



Our Flexographic Machines

Our **Stack in Line** printing machines: **Onyx SIL**, **Crystal SIL**, **Diamond SIL**.



ONYX SIL



CRYSTAL SIL



DIAMOND SIL

Flexographic Range

Study and research on new technologies is widely applied to our range of flexographic machines.

We cover a **wide range of end-use applications**, from flexible food packaging to industrial bags, with a particular attention to sustainability of the printing processes in terms of **energy savings, productivity** and **operator protection**.

Our flexo presses have highly **flexible standard configurations** that include patented Uteco technologies and innovative systems.

7 main products lines with more than **17 machine configurations** available to ensure high standards of **quality, ergonomics**, and **efficiency** without waste.



**INNOVATIVE
TECHNOLOGIES**



**Boost Your
Productivity**



OnyxGO

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

OnyxGO is designed according to principles that are functional to **the greatest productivity**.

The **operator** is at the center of our new **design**, giving the Onyx Go unique **ergonomic features**, and a **minimized** off-press **operating space**.

The most **sustainable**, the most **compact**, the most **easiest** and **safest** to operate, and the most **versatile CI press for short runs**.



OnyxGO - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	850 ÷ 1350
Min/Max print repeat	[mm]	260 ÷ 720
Max speed	[mpm]	400
Color Units	-	8 / 10
Material tension	[daN]	2 ÷ 40
Reels Diameter	[mm]	1000 - 1300 - 1500
Inks	-	Water/Solvent/ UV/EB
L x H x W	[m]	10 x 4 x 5



OnyxGO
Technical
Specifications



Onyx XS

The 8-colors CI central drum compact flexographic press for **short runs**.

Onyx XS is the compact version of the Onyx range featuring the latest UTECO flexo technology designed to optimize **short runs** and guarantee a **higher quality printing standard**.

In addition to conventional air drying this machine can be equipped with **UV lamps** or an **EB curing unit**.

Other additional features includes:

- Flexible configuration from basic single reel shaftless unwinder/rewinder to fully automatic ones
- No ladders or stairs to access to upper decks
- Between color dryers which are easy to remove, rotate and clean
- New triple energy saving ventilation system "CUBE" for drying
- Automatic washing system



Onyx XS - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	650 ÷ 1050
Min/Max print repeat	[mm]	240 ÷ 650
Max speed	[m/min]	300
Material tension	[daN]	2 ÷ 40
Color Units	-	8
Inks	-	Water/solvent/ UV/EB
Reels diameter	[mm]	800 ÷ 1000
L x H x W	[m]	10 x 4,3 x 5,4



OnyxOMNIA

The **Unique FlexoDigital** Printing Press.

- ONYXOMNIA combines the best attributes of **Flexo** and **Digital** Technologies
- The **Quality of Flexo Tech** combined with the **Flexibility of Digital** to print **solid** or **special colors** (like **Metalized** ones) with the **Best Flexo Quality**
- Our New Configuration of **CI Drum + Digital Printing Engine** is Patented allowing the **Shortest Web Path** and the **Easiest Maintenance & Cleaning Operations**.



OnyxOMNIA - Technical Specifications

Parameter	Unit of Measurement	Value
Max Printing width	[mm]	1320
Min/Max print repeat	[mm]	350 ÷ 720
Max speed (Flexo/ FlexoDigital or Digital)	[mpm]	400/300
Color Units (Flexo + Digital)	-	10
Film tension	[daN]	2 ÷ 40
Inks	-	Water/Solvent/ UV/EB
Max Reels Weight	[Kg]	1000



OnyxOMNIA Technical Specifications



Topaz

Our entry level machine for **gearless flexographic printing**: no compromise, immediate return on investment.

■ **Topaz GL** is a gearless flexographic printing press featuring on-press sleeve change for both the anilox as well as the plate cylinders.

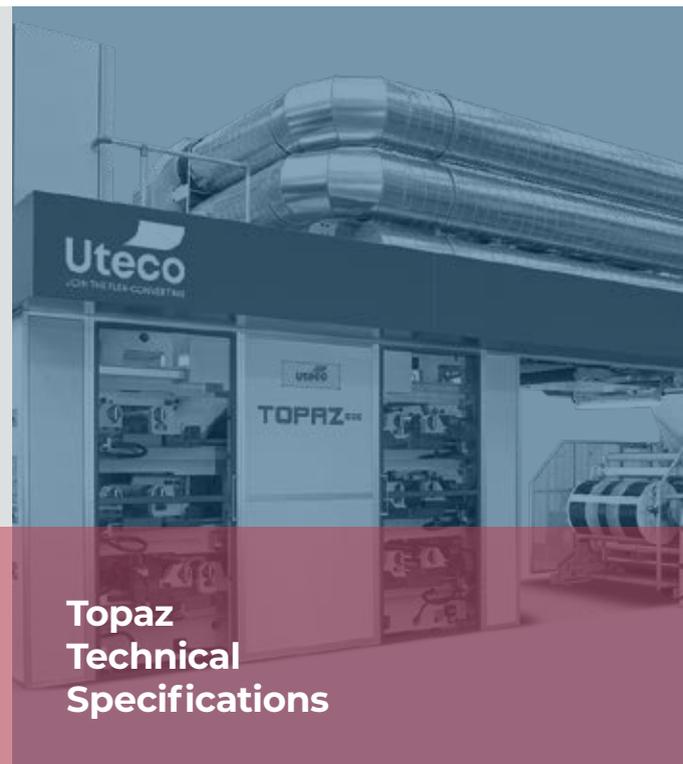
■ This press features a **modular concept design** and it can be supplied even in a “tailor made” configuration but maintaining the characteristics of a standard machine.

■ The **sleeve change** is easy and quick, the automatic **positioning** of the printing units is granted by the latest generation of cnc controlled stepping motors, and the **ventilation** on the upper bridge is very silent thanks to a sound-proof cabin.



Topaz - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	650 ÷ 1650
Min/Max print repeat	[mm]	290 ÷ 850
Max speed	[mpm]	300
Color Units	-	6/8
Material tension	[daN]	2 ÷ 40
Reels Diameter	[mm]	1000 - 1300 - 1500
Inks	-	Water/Solvent/ UV/EB
L x H x W	[m]	13 x 5 x 4,3



**Topaz
Technical
Specifications**



OnyxRACE

Setting the pace for **sustainable printing**.

OnyxRACE is our new **Flexo CI Press** as **best fit for medium and long runs**, providing the ultimate in **sustainability** and automation combined with **great ease of use for the operator**.

Technological innovations are taken to the next step by **enhancing performance** in terms of **versatility** and **sustainability**.

The level of automation is sublimated by the **SleeveBOT®**, our robot for **automatic sleeve changeover** which stands out in the market thanks to our **patented gripper** system allowing **adaptability to any sleeve size**.



OnyxRACE - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	1050 ÷ 1650
Min/Max print repeat	[mm]	320 ÷ 850 360 ÷ 1200
Max speed	[mpm]	600
Color Units	-	8 / 10
Material tension	[daN]	2 ÷ 40
Inks	-	Water/Solvent/ UV/EB



Onyx

The first flexographic printing machine equipped with the patented Uteco **Direct Drive® technology**, which guarantees **excellent printing quality**, **ease of use** and **rapid job changeover**.

With the different models available (6, 8, and 10 colors), **Onyx** responds to specific printing needs and applications.

The “great” ONYX 810 and 812 are especially suited for printing on **shrink wrap plastic film** for drink containers and for various types of **paper bags** and **sacks**.



Onyx - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	1050 ÷ 1850
Min/Max print repeat	[mm]	320 ÷ 1250
Max speed	[mpm]	400
Color Units	-	6 / 8 / 10
Material tension	[daN]	2 ÷ 40
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB
L x H x W	[m]	18 x 6 x 9



Onyx
Technical
Specifications



Crystal

The flexographic machine designed for printing on materials indicated for packaging. It adapts to different applications that require **high automation, reduction of material waste, ink and energy.**

Crystal is our machine that stands out for its **automation systems** capable of reducing job change times, wasted material and inks used. It achieves a printing speed of 600 m/min.

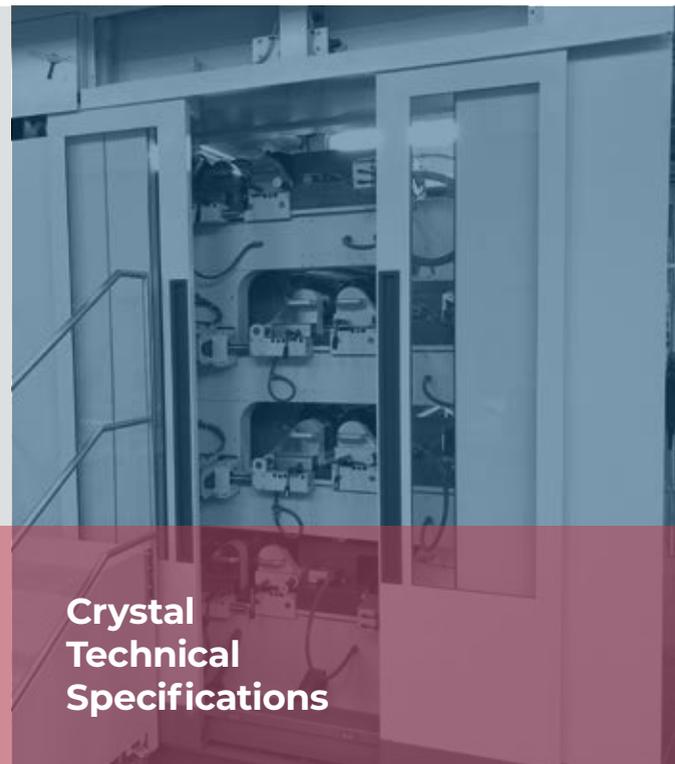
The original and innovative design also makes it suitable for other printing applications where it best applies the potential offered by the **advanced UDD® direct transmission technology.**

The standard configuration of the Crystal includes a front **rewinder** and an **unwinder.** The basic equipment can be developed with optional equipment, including **flexo** and **in-line rotogravure units** as well as the application of **UV, UVLed, EB lamps.**



Crystal - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	850 ÷ 1650
Min/Max print repeat	[mm]	290 ÷ 850
Max speed	[mpm]	500
Color Units	-	8 / 10
Material tension	[daN]	2 ÷ 40
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB
L x H x W	[m]	16 x 7,5 x 7



Diamond HP

Our machine ensures elevated **production flexibility, printing quality, minimum job changeover** times.

Diamond HP represents Uteco's excellence in flexographic printing for **medium and large print runs** in 8 and 10 colors with high level of automation and reduced set-up times.

This solution is the ideal answer for top converters who require **increased flexibility** and consolidation of equipment to **streamline operations**. Indeed, all models in the Diamond range can be customized with different units according to individual printing needs.



Diamond HP - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	1050 ÷ 1850
Max/min print repeat	[mm]	310 ÷ 1250
Max speed	[mpm]	600
Color Units	-	8 / 10
Material tension	[daN]	2 ÷ 60
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB
L x H x W	[m]	21 x 5,5 x 7,2



**Diamond HP
Technical
Specifications**



Onyx SIL

A practical and modern **stack in line flexographic printing** machine equipped with Uteco **Direct Drive**[®] technology.

Thanks to the **innovative Uteco UDD technology** the printing shaft are directly connected to the mechanical joints.

The change of anilox sleeves and plate cylinder can be done in the short throw-off position.



Onyx SIL - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	650 ÷ 1550
Max/min print repeat	[mm]	300 ÷ 800
Max speed	[mpm]	400
Color Units	-	Up to 12
Material tension	[daN]	2 ÷ 30
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB



**Onyx SIL
Technical
Specifications**



Crystal SIL

The fast **stack in line printing machine** designed mainly for printing on folding cartons, liquid packaging, adhesive labels, aluminium without support and laminated substrates.

Crystal SIL achieves a printing speed of **500m/min**, and depending on the final application, it can be equipped with **hot air drying hoods, UV, UVLed** lamps or **EB** units.

The standard configuration of this machine is supplied with **up to 12 colors** and it includes servomotors on each printing unit, anilox sleeves and plate sleeves, combination of flexo and gravure units, hot melt applications, silicone and different varnish.



Crystal SIL - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	850 ÷ 1650
Max/min print repeat	[mm]	290 ÷ 850
Max speed	[mpm]	500
Color Units	-	Up to 12
Material tension	[daN]	2 ÷ 30
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB



**Crystal SIL
Technical
Specifications**



Diamond SIL

Very high printing performances for long and medium runs thanks its **ergonomic design** and the patented **Uteco Direct Drive®** technology.

Diamond SIL is the special Uteco machine suitable for print on the most diversified applications in the **liquid packaging sector**, on **cardboard**, and on **flexible film** for continuous or in-register printing or coating.

Its configuration includes **up to 12 color units** and can be customized with **all types of inks** and different types of **hoods lengths** for the drying process, usually highly efficient and with low energy consumptions costs.



Diamond SIL - Technical Specifications

Parameter	Unit of Measurement	Value
Material width	[mm]	1050 ÷ 1850
Max/min print repeat	[mm]	360 ÷ 1250
Max speed	[mpm]	600
Color Units	-	Up to 12
Material tension	[daN]	4 ÷ 90
Reels Diameter	[mm]	800 - 1000 - 1300
Inks	-	Water/Solvent/ UV/EB



**Diamond SIL
Technical
Specifications**



Our Company

Printing and Converting: All Round **High Tech Innovation.**



We provide innovative and flexible solutions from a wide range of **flexographic, rotogravure, digital printing, 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



Find out more!

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.





Uteco Converting SpA
Viale del Lavoro, 25
37030 Colognola ai Colli (VR)
Ph: +39 045 6174555
utecovr@uteco.com
www.uteco.com



Data, features and photos shown are not binding.
Uteco Group reserves the right to make any changes without prior notice.