



Flexographic

RANGE



Flexographic

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



We currently count seven flexographic printing presses, and with these we meet all run length requirements, from the very short, with the compact Onyx XS, to the longest, with the Diamond HP and Crystal. We cover a wide range of end-use applications, from food-grade flexible packaging to industrial bags, with a focus on the sustainability of printing processes in terms of energy savings and operator protection.

Flexographic



Our flexo presses all have highly flexible standard configurations that include patented Uteco technologies and innovative systems designed to ensure high standards of quality, ergonomics and ease of use, and efficiency without waste.



**Reduce your
Operating Costs**



Our Flexographic machines



DIAMOND HP



CRYSTAL



ONYX

Our Flexographic machines



Diamond HP

Leading edge innovation in flexographic printing.

The DIAMOND HP represents Uteco's excellence in flexographic printing. Short runs, increased quality and reduced waste and set-up times remain priorities in today's flexible packaging market. The DIAMOND HP is the ideal answer for top converters who require increased flexibility and consolidation of equipment to streamline operations.



Machine Design and Tech Overview

Diamond HP Technical Specifications



| Model | | 808 | 812 | 108 | 112 |
|-------------------|-----------------|----------------|-------------------------|------------------|----------------|
| Parameter | Unit of Measure | Value | | | |
| Width of material | [mm] | 1050 ÷ 1650 | 1050 ÷ 1850 | 1050 ÷ 1650 | 1050 ÷ 1850 |
| Width of print | [mm] | 1050 ÷ 1600 | 1050 ÷ 1800 | 1050 ÷ 1600 | 1050 ÷ 1800 |
| Min print format | [mm] | 310 ÷ 440 | 360 ÷ 500 | 310 ÷ 440 | 360 ÷ 500 |
| Max print format | [mm] | 850 | 1250 | 850 | 1250 |
| N. colors | | | 8 | | 10 |
| Speed | [m/min] | | 600 | | |
| Tape tension | [daN] | | 2 ÷ 60 | | |
| Inks | | | Water/solvent, UV/EB | | |
| Reels diameter | [mm] | | 800 - 1000 - 1300 | | |
| L x H x P | [m] | 21 x 5,5 x 7,2 | 19,4 x 5,9 x 7,1 | 18,8 x 5,5 x 7,3 | 19,5 x 6,1 x 9 |



Crystal

Flexo with high **added value**.

Designed specifically for printing on materials used for packaging food, the new CRYSTAL also adapts perfectly to other applications that require a considerable level of automation so as to be able to speed up job changes and reduce consumption of materials, ink and energy.

The Uteco Direct Drive Evo[®] technology is a distinctive feature that ensures a perfect tolerance of register between colours for the entire life of the machine. Features:

- New system for ejection of anilox sleeves and plate holder.
- New HMI system with additional control functions.
- 180° rotation of the drying boxes.



Machine Design and Tech Overview

Crystal Technical Specifications



| Model | | 808 | 108 |
|-------------------|-----------------|----------------------|------------|
| Parameter | Unit of Measure | Value | |
| Width of material | [mm] | 850 ÷ 1650 | 850 ÷ 1650 |
| Width of print | [mm] | 800 ÷ 1600 | 800 ÷ 1650 |
| Min print format | [mm] | 290 ÷ 440 | 290 ÷ 440 |
| Max print format | [mm] | 850 | |
| N. colors | | 8 | 10 |
| Speed | [m/min] | 500 | |
| Tape tension | [daN] | 2 ÷ 40 | |
| Inks | | Water/solvent, UV/EB | |
| Reels diameter | [mm] | 800 - 1000 - 1300 | |
| L x H x P | [m] | 16 x 7,5 x 7 | |



Onyx

Improved performance in high speed flexographic printing.

With its new “total capture” design the ONYX 808 provides the best value for money in gearless flexo technology for flexible packaging. The machine can be supplied with various sets of features: with flexo or gravure units in line for additional front/back colours, for varnishing/lacquering and/or for various types of coatings including adhesive coatings for lamination in line.

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.



Machine Design and Tech Overview

Onyx Technical Specifications



| Model | | 808 | 810 | 812 | 108 | 110 |
|-------------------|-----------------|----------------------|----------------|----------------|-------------|------------|
| Parameter | Unit of Measure | Value | | | | |
| Width of material | [mm] | 1050 ÷ 1550 | 1050 ÷ 1850 | 1050 ÷ 1650 | 1050 ÷ 1850 | |
| Width of print | [mm] | 1000 ÷ 1500 | 1050 ÷ 1800 | 1050 ÷ 1600 | 1050 ÷ 1800 | |
| Min print format | [mm] | 320 ÷ 410 | 360 ÷ 500 | 310 ÷ 440 | 360 ÷ 500 | |
| Max print format | [mm] | 800 | 1250 | 850 | 1250 | |
| N. colors | | 8 | | | 10 | |
| Speed | [m/min] | 400 | | | | |
| Tape tension | [daN] | 2 ÷ 30 | 2 ÷ 40 | | 2 ÷ 30 | |
| Inks | | Water/solvent, UV/EB | | | | |
| Reels diameter | [mm] | 800 - 1000 - 1300 | | | | |
| L x H x P | [m] | 16 x 4,8 x 7,7 | 18 x 5,7 x 7,7 | 18 x 5,7 x 7,7 | 18 x 6 x 9 | 18 x 6 x 9 |



Onyx XS

The 8c-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 subject standard. In addition to conventional air drying ONYX XS can be equipped with UV lamps or an EB curing unit. ONYX XS additional features are:

- 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.



Machine Design and Tech Overview

Onyx XS Technical Specifications

| Model | | 650 |
|-------------------|-----------------|-------------------------|
| Parameter | Unit of Measure | Value |
| Width of material | [mm] | 650 ÷ 1050 |
| Width of print | [mm] | 620 ÷ 1020 |
| Min print format | [mm] | 240 ÷ 310 |
| Max print format | [mm] | 650 |
| Speed | [m/min] | 300 |
| Tape tension | [daN] | 2 ÷ 40 |
| Inks | | Water/solvent, UV/EB |
| Reels diameter | [mm] | 800 ÷ 1000 |
| L x H x P | [m] | 10 x 4,3 x 5,4 |



Topaz

Gearless flexo printing at **unrivalled price.**

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

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

TOPAZ GL can be supplied in two different models:

- TOPAZ GL 608: the compact 6C-CI version
- TOPAZ GL 808: the compact 8C-CI version



Machine Design and Tech Overview

Topaz Technical Specifications



| Model | | 608 | 808 |
|-------------------|-----------------|----------------------|------------|
| Parameter | Unit of Measure | Value | |
| Width of material | [mm] | 650 ÷ 1650 | 650 ÷ 1650 |
| Width of print | [mm] | 600 ÷ 1600 | 600 ÷ 1650 |
| Min print format | [mm] | 290 | 290 |
| Max print format | [mm] | 850 | |
| N. colors | | 6 | 8 |
| Speed | [m/min] | 300 | |
| Tape tension | [daN] | 1525 | 1790 |
| Inks | | Water/solvent, UV/EB | |
| Reels diameter | [mm] | 1000 - 1300 - 1500 | |
| L x H x P | [m] | 13 x 5 x 4,3 | |



Company

Uteco designers' experience serving **specialty machines**



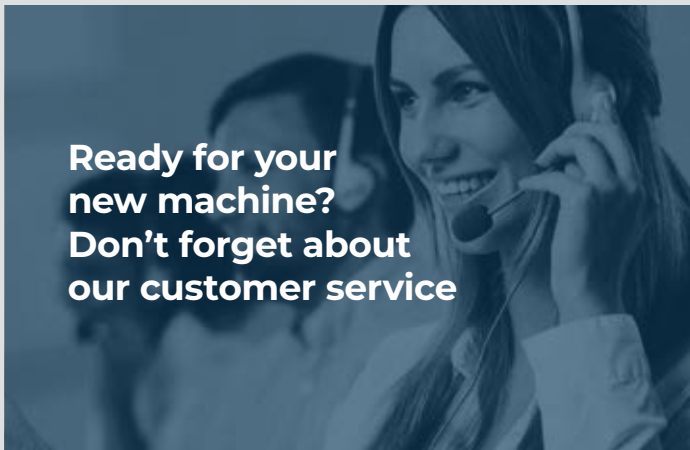
We provide innovative and flexible solutions from a wide range of flexographic, gravure, digital printing, and laminating and coating machines, and a corollary of comprehensive training and support services.

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.

Uteco's 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**.



Get assistance quickly through our User Portal

It's easy to communicate directly with our operators in get assigned both priority and specific assistance from the relevant department.

Remote services

Thank to the newest technologies available on the market we guarantee the best real-time support, even when conducted remotely.

Field Support

We provide complete life-cycle support services and printing processes to ensure maximum performance throughout the entire lifespan of the machine.
No External Pre-Mixing of Agents

Machine Inspection

Would you like to boost your machine's profitability, as well as ensuring the highest quality in production? Ask us for a Machine Inspection.



JOIN THE FLEX-CONVERTING





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