

# Innovative Efficient Engineering

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**U.V. GRAPHIC**  
TECHNOLOGIES PVT. LTD.

Product Catalogue

**About UVG**

UV Graphic Technologies Pvt. Ltd. (UVGT) head quartered in NOIDA on the outskirts of the Indian capital New Delhi and founded by Mr. Abhay Datta (Dipl. Printing Tech.) in 1990 is a technology driven producer of a vast range of equipment and tooling for the graphic and printing industry.

UVGT is a customer focused technology driven company manufacturing user friendly equipment that customers find easy to operate and produce end products that conform to highest standards of quality.

UVGT's manufacturing plant is spread over 8000 square meters with over 90 employees and equipped with the latest machines to produce precision engineered parts and tooling that form an integral part of the reliable equipment produced.

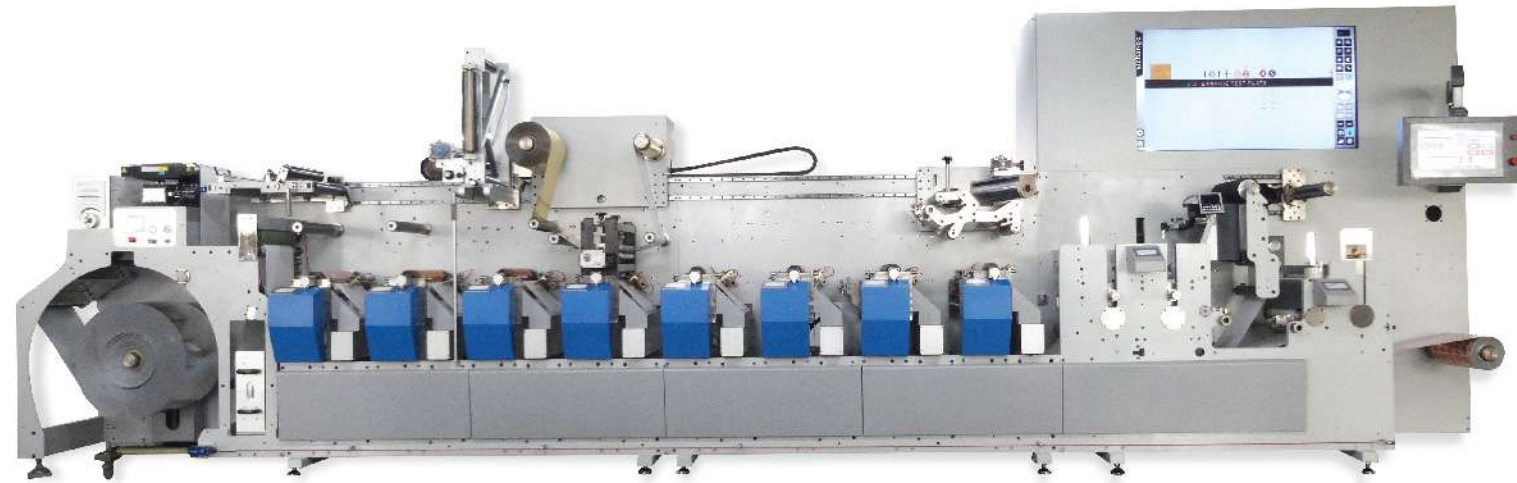
Product range consists of Flexographic and Hybrid Label Presses, UV Coating and Curing Equipment, Gravure and Silk Screen Presses, Hot Foil Stamping Machinery, Video Plate Mounters, Digital Label Converting and Finishing Machines, Tooling and Allied Ancillary Equipment.

All UVGT machines are designed and manufactured inhouse and conforming to international standards. All products are backed by an efficient after sales service by trained engineers and specialists.



## In-House Manufacturing Capabilities

We at UV Graphics have, 'State-of-the-art' and 'Quality-Centric' machines and equipment line-up at our disposal. The facility is manned with a team of engineers and technicians of the highest technical competence and integrity. Our focus is to manufacture all parts in house maintaining the highest quality standards with complete GD&T control as per International Standards.



With succession plans already in place, the company has already invested into future expansion plans for the coming decade with additional floor space of 120,000 ft.<sup>2</sup>



More than 25% of infrastructure, assets, and team is dedicated to quality function. Since our inception, we have worked with our customers in close association,

We render our best possible co-operation and technical support to our customers for critical development projects; this, in turn, resulted in we earning a good reputation and 'heritage vendor' status with our customers.

## Quality - Unmatched



We are an integrated team of 80+ Engineers, Technicians and machinist.

20,000 Sq. Ft. area infra loaded with several VMC, CNC, Turning Centers, Cylindrical Grinding Machine, CMM & a complete Tool shop.

State of the art inspection infra.

We work on a team spirit + collective wisdom basis.

Our endure is to deliver 'globally comparable manufacturing quality' to our customers. Additionally, our machining capability in handling ultra-precision machining assignments for both inline production & continuous R&D for our future endeavor's.

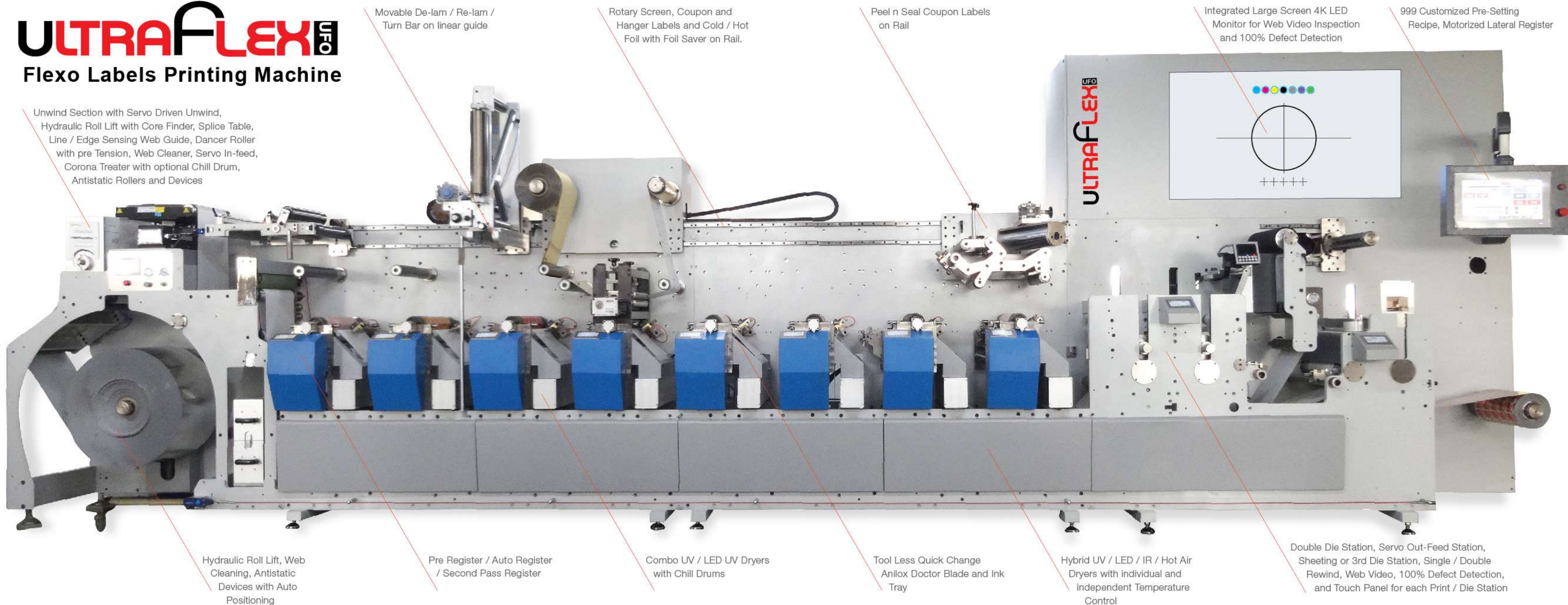


We have a vision to build state of the art printing and finishing equipment for the packaging industry with special focus of Filmic substrates, Digital Printing and Finishing and value-added packaging.



# ULTRAFLEX<sup>UFO</sup>

## Flexo Labels Printing Machine



Unwind Section with Servo Driven Unwind, Hydraulic Roll Lift with Core Finder, Splice Table, Line / Edge Sensing Web Guide, Dancer Roller with pre Tension, Web Cleaner, Servo In-feed, Corona Treater with optional Chill Drum, Antistatic Rollers and Devices

Movable De-lam / Re-lam / Turn Bar on linear guide

Rotary Screen, Coupon and Hanger Labels and Cold / Hot Foil with Foil Saver on Rail.

Peel n Seal Coupon Labels on Rail

Integrated Large Screen 4K LED Monitor for Web Video Inspection and 100% Defect Detection

999 Customized Pre-Setting Recipe, Motorized Lateral Register

Hydraulic Roll Lift, Web Cleaning, Antistatic Devices with Auto Positioning

Pre Register / Auto Register / Second Pass Register

Combo UV / LED UV Dryers with Chill Drums

Tool Less Quick Change Anilox Doctor Blade and Ink Tray

Hybrid UV / LED / IR / Hot Air Dryers with individual and independent Temperature Control

Double Die Station, Servo Out-Feed Station, Sheeting or 3rd Die Station, Single / Double Rewind, Web Video, 100% Defect Detection, and Touch Panel for each Print / Die Station

The Ultraflex UFO is the state of the art flexographic printing machine powered by Bosch Rexroth full servo technology. The presses run on single or twin servo motors for each print station. All servo presses have the capability of auto register and pre-register with a minimum startup waste. All presses have tool less quick change, hydraulic roll lift and all UV Systems on all ultra flex presses are future ready and can be swapped with a LED UV System in under one minute.

Printing features include near 100% register on job startup and achieve full register with under 2 meters waste. The presses can run multiple substrates from 8µ to 450µ substrates including BOPP, Polyester, Shrink Sleeve,

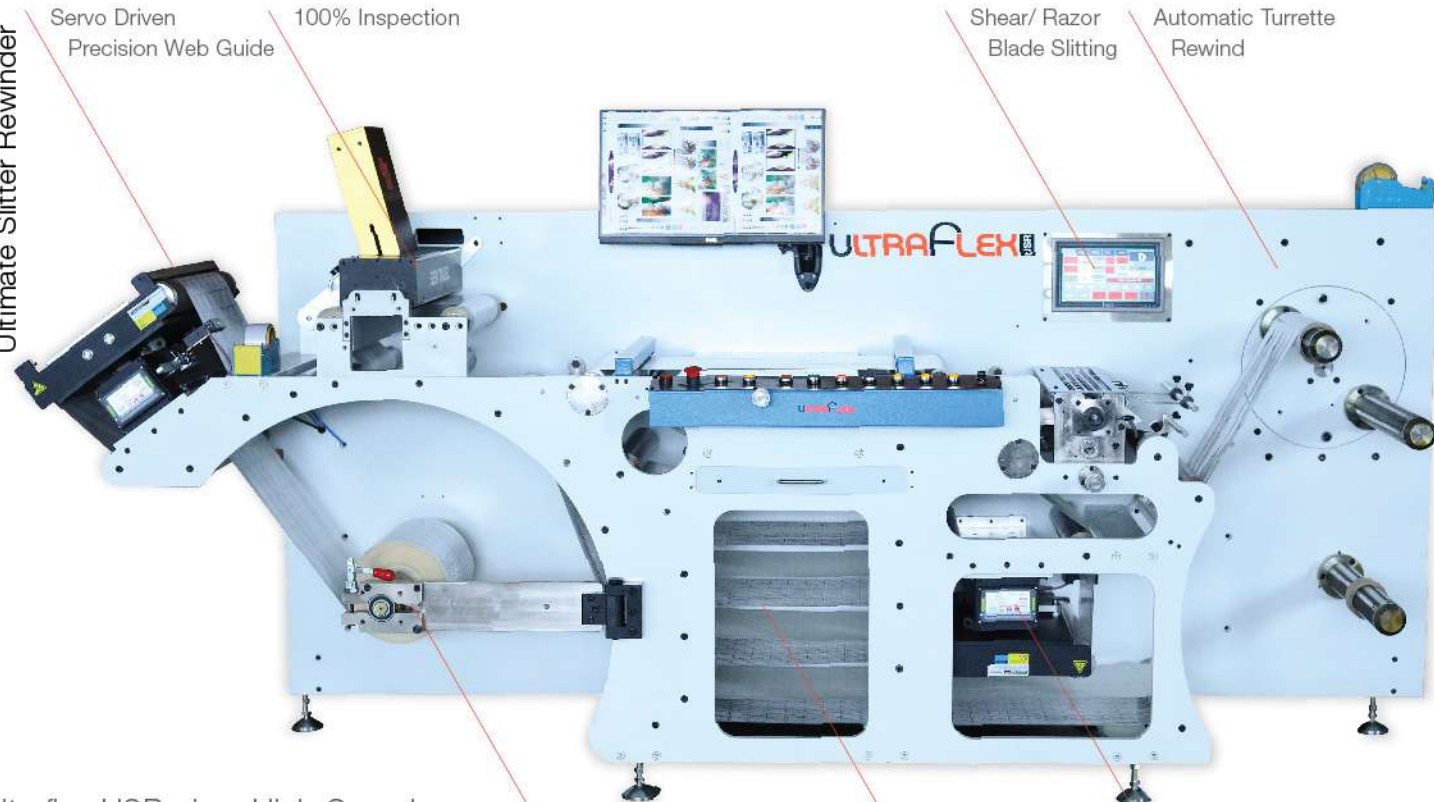
In-Mold Labels, LDPE, Aluminum Foils, Lami-tube, Pressure Sensitive materials and Carton Board.

Options available on all Ultraflex UFO presses include Corona Treatment, Web Cleaning, Web Guide, De-Lam / Re-Lam, Turn Bar, Hot Foil, Foil Saver, Cold Foil, Cast n Cure, Peel n Seal Labels, Rotary and Flat Screen, Scratch Off Coatings, LED UV, Variable Data Printing, Hanger Labels and Hybrid Dryers.

Ultraflex presses have the shortest web path and the smallest footprint in the industry saving the printer considerable floor space. The presses have no external peripherals behind the machine and are suited for a clean room environment.

# ULTRAFLEX<sup>USR PLUS</sup>

Ultimate Slitter Rewinder



- Servo Driven Precision Web Guide
- 100% Inspection
- Shear/ Razor Blade Slitting
- Automatic Turret Rewind
- Servo Unwind with Automatic Tension
- Buffer
- Differential Air Shaft (Optional)

The Ultraflex USR+ is a High-Speed Full Servo Driven Slitter Rewinder with a Turret Rewind. The Ultraflex USR+ incorporates 4 Servo Motors driven with Bosch Rexroth Servo Motors and Drives.

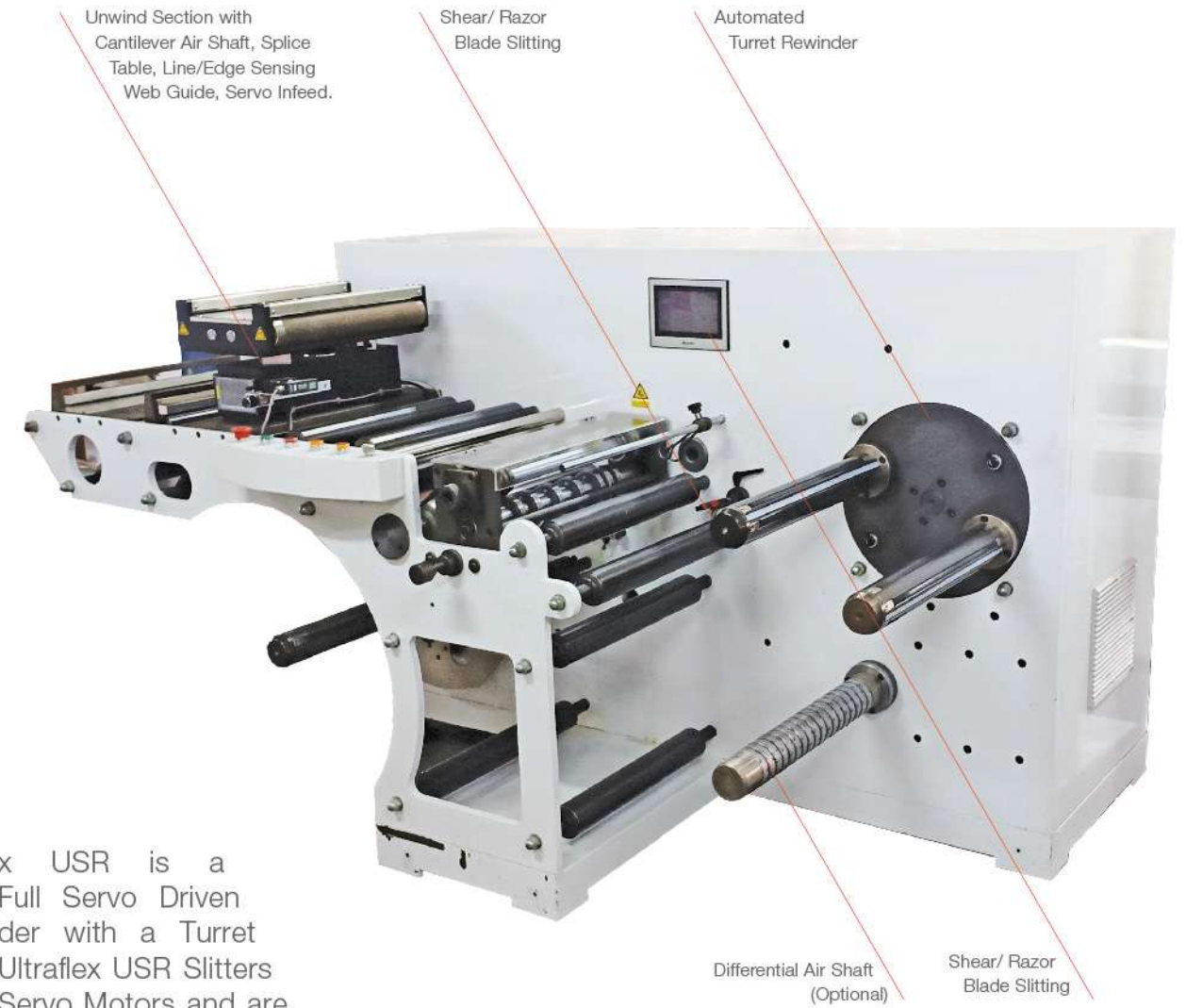
With speeds of 400 MPM and Automatic Turret and Splicing Function with multiple mandrel options. It is the fastest narrow web slitter in the market. Features include Automatic Tension, integrated Splice Table, Edge or Line Sensing Web Guide, Bi-directional drives and tension control with a buffer for accelerated speeds. Shear or Razor Blade Slitting, Automatic Label Count and a host of unique features.

Automated Slitting Wheel Position Change is also available as an option. The Slitters have the necessary provision to mount any 100% Defect Detection System in the market.

Available Sizes	450	530
Slitting Wheels	8	10
Servo Motors	4	4
Maximum Speed MPM	400	400
In Line Coating (Optional)	YES	YES
Turret	YES	YES

# ULTRAFLEX<sup>USR</sup>

Ultimate Slitter Rewinder



- Unwind Section with Cantilever Air Shaft, Splice Table, Line/Edge Sensing Web Guide, Servo Infeed.
- Shear/ Razor Blade Slitting
- Automated Turret Rewinder
- Differential Air Shaft (Optional)
- Shear/ Razor Blade Slitting

The Ultraflex USR is a High-Speed Full Servo Driven Slitter Rewinder with a Turret Rewind. The Ultraflex USR Slitters come with 2 Servo Motors and are driven with Bosch Rexroth Servo Drives.

With speeds of 350 MPM and Automatic Turret and Splicing Function with multiple mandrel options. These are the fastest narrow web slitter in this segment.

Features include Automatic Tension, integrated Splice Table, Edge or Line Sensing Web Guide, Shear or Razor Blade Slitting, Auto Count and a host of unique features. Automated Slitting Wheel Position Change is also available as an option.

Available Sizes	450	530
Slitting Wheels	8	5
Servo Motors	4	4
Maximum Speed MPM	400	350
In Line Coating (Optional)	YES	YES
Turret	YES	YES

Automated Turret Rewinder - Differential Air Shaft (Optional)  
 Shear / Razor Blade Slitting - Programmed Length and Label Counting.

# ULTRACURE LED

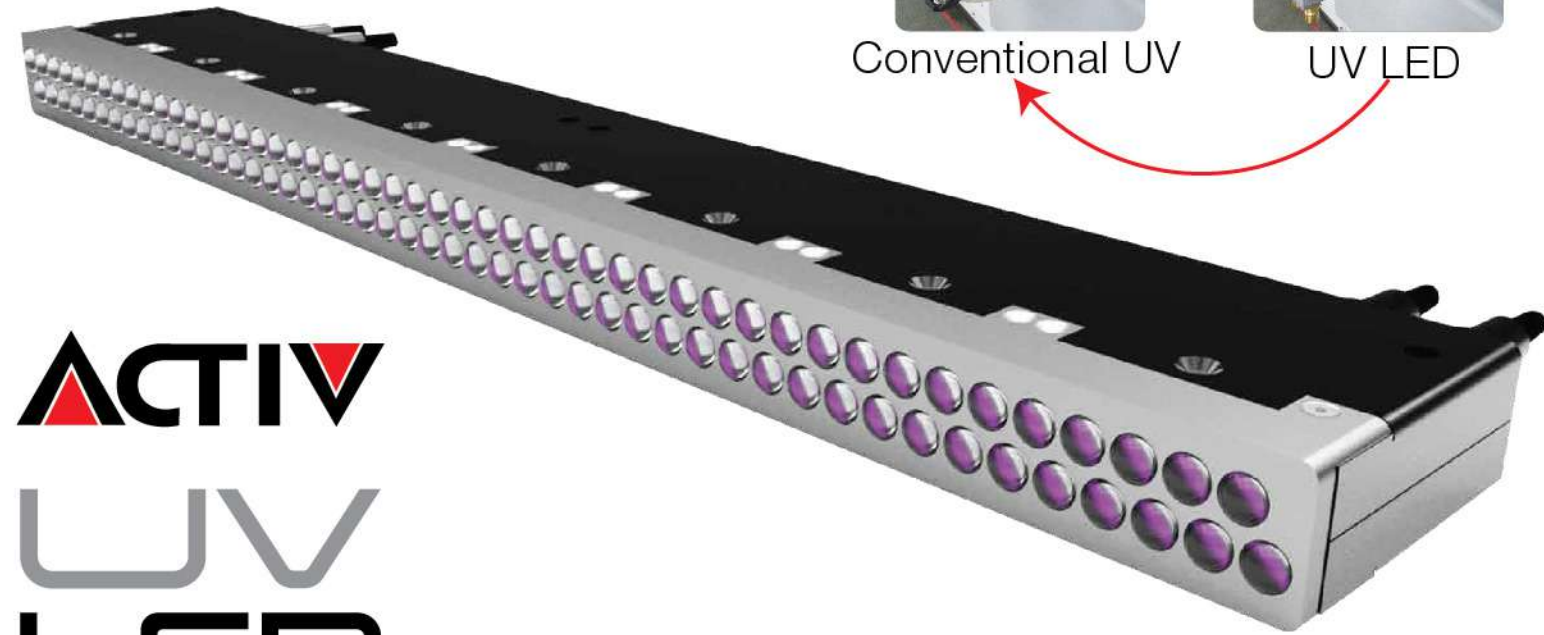
Swapable UV Cassettes



Conventional UV



UV LED



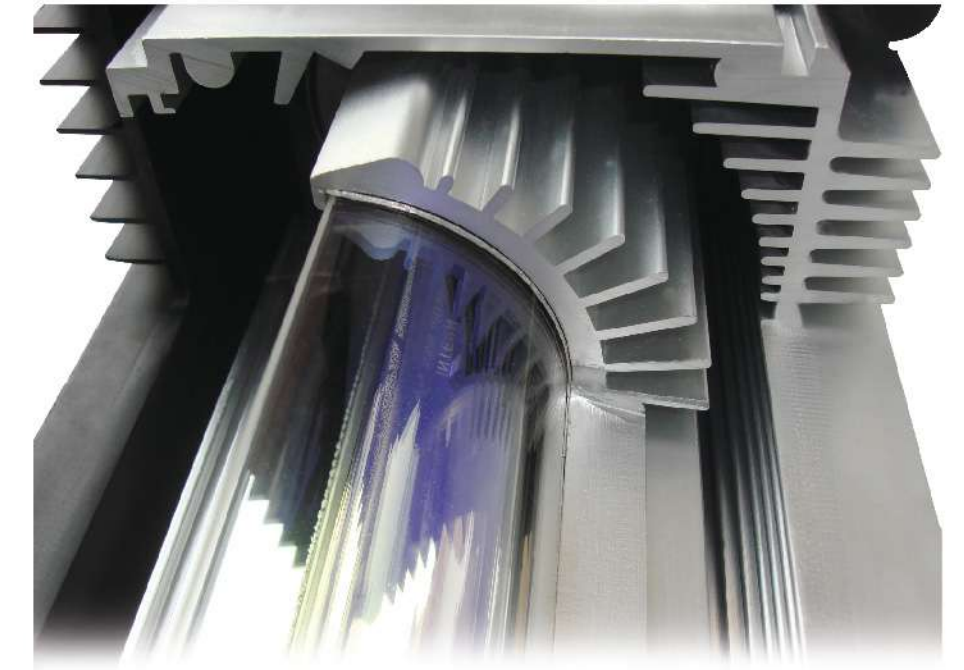
# ACTIV UV LED COMBO

The future of UV is now LED.....and all Ultracure ACTIV UV Systems are now Future and LED ready.

ACTIV UV, a brand conceived by Fujifilm Europe is one of the most modern, advanced and user-friendly UV System. The intelligent power supplies manufactured in Europe save electricity and also known for optimum curing in synchronization with the machine speed.

The Activ Combo UV Cassettes can be swapped between LED and Conventional UV in under 30 seconds without the use of any tools. The Hybrid Power Supply recognizes the LED or Conventional Lamp and switches the necessary power supply and functions according to the lamp installed. The water-cooled LED Systems are designed to outperform the life of the press with virtually "ZERO" maintenance costs.

# ULTRACURE UV



UVG can install and synchronize a conventional or LED system on virtually any press to enhance the capabilities and performance of any Press.

The Conventional UV Systems are designed for optimum reflectivity with Power Saving Electronic Power Supplies.

The UV Systems can be integrated on any Press to enhance the performance or replace an unserviceable UV System. Options include Dichroic Reflectors, Chill Drums, Water Cooled Systems which run on intelligent temperature management.

A Video Plate Mounter Ready to Mount any Plate Cylinder in 30 Seconds Flat

Auto Focus, High Resolution Cameras with 50X Optical Zoom and Laser Line for Pre-Register

Cylinder and Gear Lock for Consistent Plate Position with Precision Plate Skew and Lateral Adjustment for 100% Precision Alignment which helps mounting plates in less than 30 seconds. No Need for Lateral Register on Press

Integrated Storage Space with Tape Roll Dispenser, Foot pedal operation for hands free plate and cylinder Clamping.

Integrated Split Screen LED Monitor with movable Vertical and Horizontal Register Bars.



The Ultraflex VPM 550 is a universal combi Plate Mounter capable of mounting flexo polymer plates of virtually any press from any press manufacturer in the world without changing any Mandril's.

It is the fastest Laser assisted video Plate Mounter in the industry which guarantees accurate Flexo Plate Mounting in under 30 seconds. The Plate Mounter has an auto focus system with lateral and skew register adjustment.

The lateral adjustment feature illuminates the need to make lateral register on the Flexo press saving considerable paper waste. User friendly and easy operation make it an operators first choice. A must have Plate Mounter for every label printer.

The Ultraflex VPM 550 is fully compatible with all of the following Brands: Gallus, Nilpeter, Mark Andy, MPS, Lombardi, Omet, Bobst, Comco, Edale and many more.

The Large format plate mounters come with optional such as Automatic Tape mounting, Automated Tape removal, Automatic Plate mounting, Automated Plate Removal Automated Tape cutting, Sleeve Mandrels,



The Ultraflex Pony come in a large variety of combinations with Printing, Die Cutting, Cold Foil, Varnish, Lamination and finishing for second pass applications also known as digital finishing.

The presses come in full rotary and semi rotary versions with speeds of 150 M/MIN.

All Pony finishing machines can be equipped with Corona Treatment, Web Cleaning, De-Lam / Re-Lam, Turn Bar, Hot Foil with Foil Saver, Cold Foil, Cast n Cure, Rotary Screen, Scratch Off Coatings, LED UV, Variable Data Printing, Hybrid Dryers and off-line Sheeting or Die Cutting for any special-purpose labels.

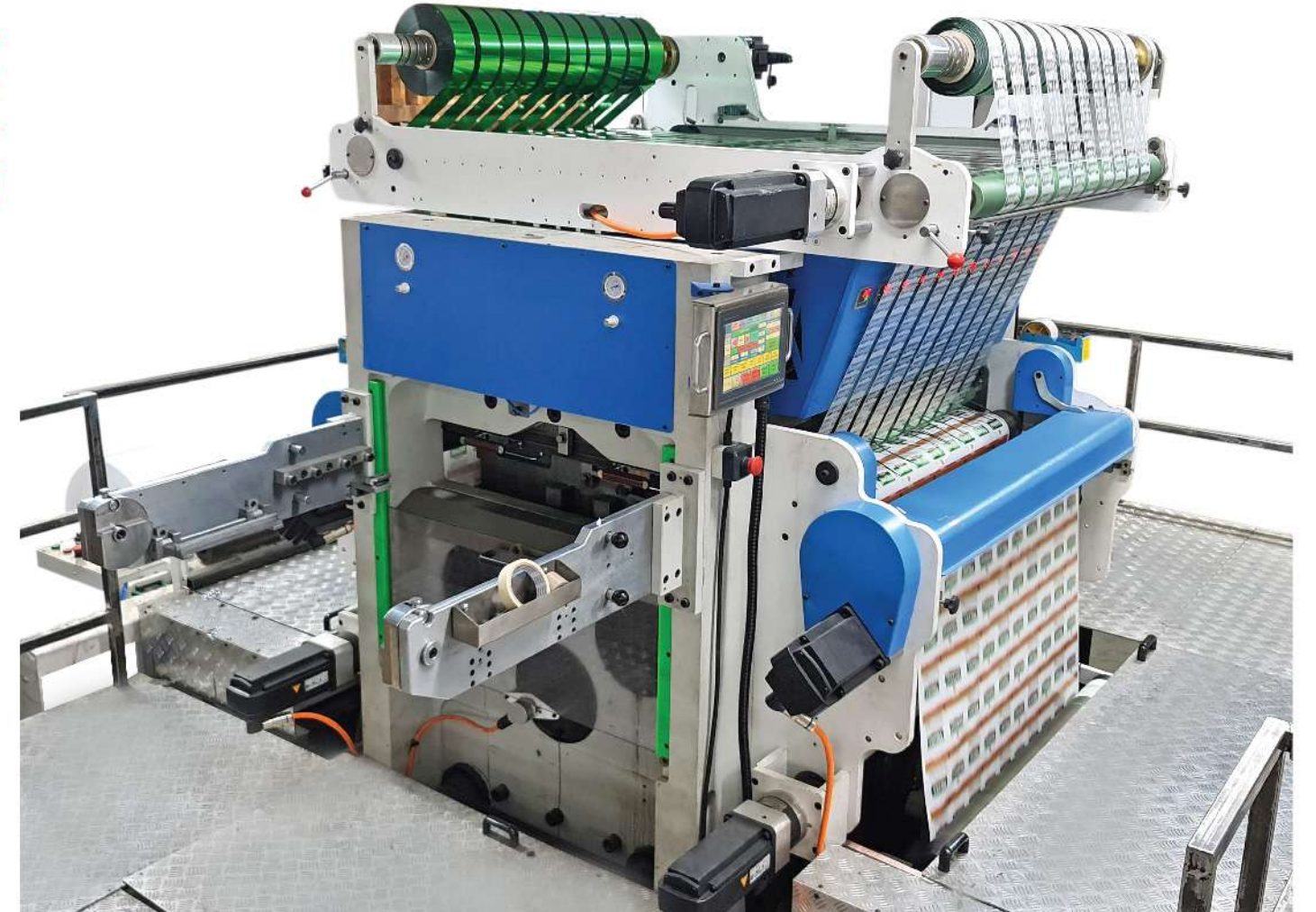
**IML**  
**ULTRAFLEX**  
**PONY**  
IN-MOLD LABEL



UVGT has developed a versatile and user-friendly In-Mold Label Die Cutting System specifically designed for high productivity of complex in mold labels. UVGT fully understands the complexity and responsibility in delivering high-speed production lines for In-Mold Labels.

The IML Presses come with many advanced features for the highest productivity and production of In-Mold Labels with options including gathering, banding, segregation, Multi layer conveyors and special handling for extremely hard to cut labels.

**ULTRAFLEX**  
**PONY**  
HOT FOIL

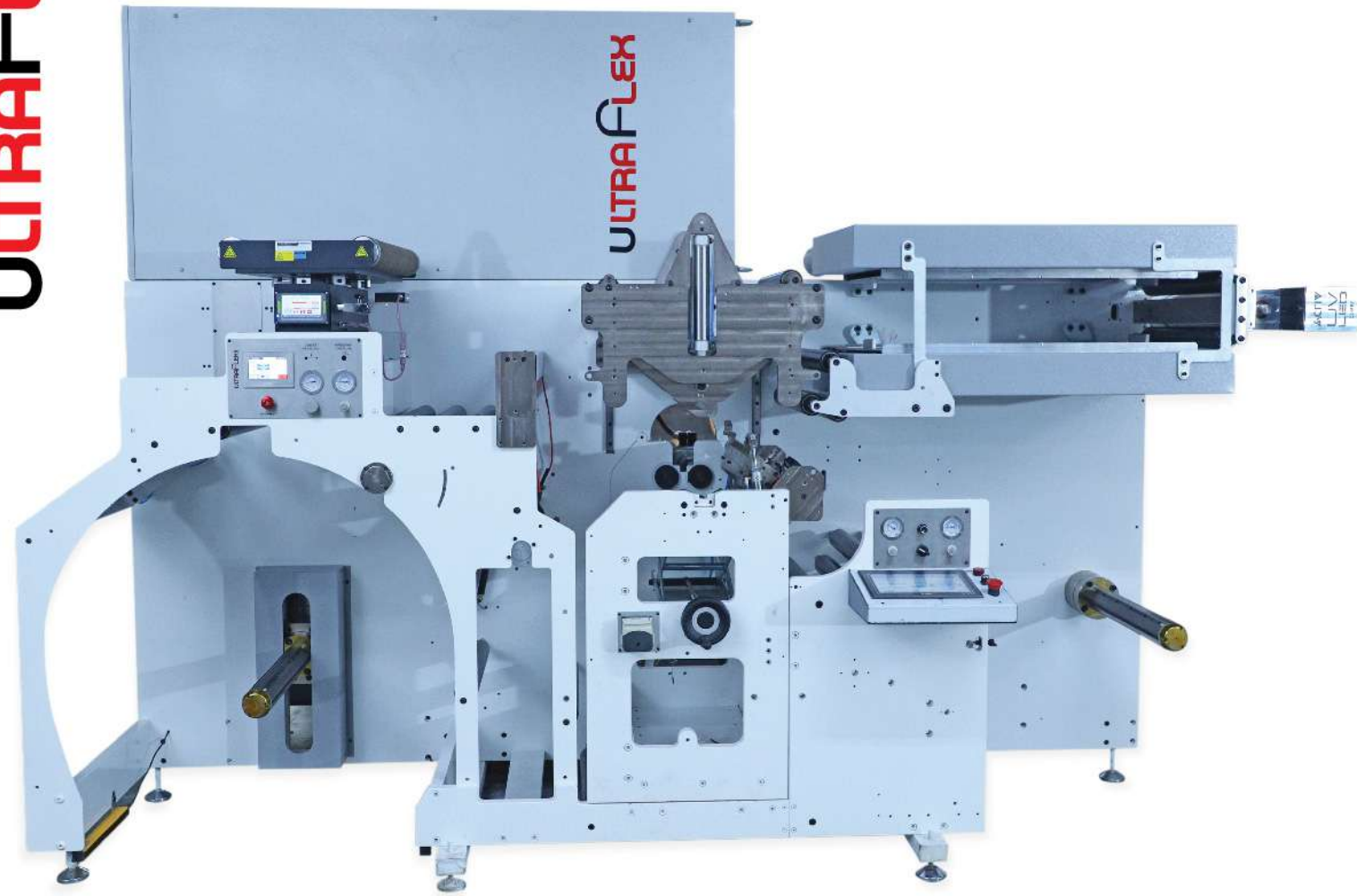


UVGT design and manufacture the finest rotary and flatbed hot stamping machines in the industry.

All machines are equipped with Bosch Rexroth Servo Drives and motors and can be equip with Foil Savers, Differential Air Shafts, Holographic Attachments, Relief Hot Foil Stamping. The presses are designed to run at 150 m/min. with a Stamping force exceeding 500 tons on the large format presses. UVG can also carry out retrofit installations of Hot Stamping Units on most flexo, offset and flat bed presses.



**ROTOGRAVURE**



UVGT manufacture complete and drop in Rotogravure presses for a wide range of applications including pre-coating, coating, Metallic effect printing, Scratch Off Coating, and printing with Glitter etc. The presses are designed for easy Toolless change of Gravure Cylinders, high velocity hot air dryers, Ink circulation pumps, Chilling Units, Viscosity Controllers, Electrostatic assist, Conventional and LED UV Systems and Electron Beam Curing.

UVG can also manufacture Multi Station Gravure press in narrow and mid web formats.

**ULTRAPUNCH**



The Ultrapunch is a fast and reliable fully hydraulic Label Punching Machine.

It is a must have for any Label Printer involved in wet glue labels. The Ultrapunch is capable of producing over 5 million labels in a day. Available in 200 x 200 mm the Ultrapunch incorporates all the safety and user-friendly features for quick and easy setup. Features include micro adjustment for extremely tight register and skew adjustment to align the die in the shortest possible time.

**LABEL DOCTOR-222**



The Label Doctor 222 is a versatile and user - friendly machine developed for the narrow web label industry. The machine is designed for doctoring and checking of pre-printed rolls keeping the operator convenience in mind and operates at an eye level to minimize operator fatigue even during long term use.

Features include label count, missing label detection, Quick Roll Change, Splice Tape Dispenser, Constant Tension, Auto Stop after completion of count, Inward and Outward Rewinding, High Torque Servo Motors and Hands-Free Operation. The machines are available in 220 Volt single phase or 415 Volt 3 Phase.

## **E VIEW OVERSEER**

Affordable Video WebInspection System

The Overseer 100 is an intelligent Web Video System with PPS (pre programmed stops).

The PPS feature allows the camera to monitor linear and lateral pre-defined positions with a memory function. The motorized traverse and interphase allow the Overseer 100M to be mounted out of sight. The Overseer 100 incorporates the latest LED Flash technology for an infinite life and performance.

E View....View everything

2 million-pixel camera 400 m/min  
image processing 2D/QR code  
recognition realtime  
CMYK/RGB color detection

Automatic camera  
traversal at 52 mm/sec



## **E VIEW OBSERVER-4000/4000M**

Affordable Video WebInspection System

The observer 4000 is a versatile and yet economical web video inspection system with a remote keyboard.

The high definition cameras allow the system to be used with large HDMI LED display panels. the Observer 4000M can be mounted out of sight and incorporates the LED Flash technology for an infinite life and performance.

2 million-pixel camera 400 m/min  
image processing 2D/QR code  
recognition realtime  
CMYK/RGB color detection

Automatic camera  
traversal at 52 mm/sec



## **TOOLING**

UVGT is a leading manufacturer of Print Tooling and offer precision tooling technology for all kinds of label printing machines.



Magnet Cylinders



Sheeting Cylinders,

End Rings for  
Rotary Screen



Print Cylinders



Printing Sleeves



Coating Sleeves



Rotary Hot Foil Stamping  
& Special Purpose Tooling



Pressure  
Mandrels



UVGT also supplies Laser Engraved Ceramic Anilox Rollers from Leading Suppliers around the globe at OEM Prices.

# COREMAXX

Easy Core Cutter



Coremaxx is a simple, economical and reliable Core Cutting Solution for every Label Printer, having a small foot print occupying a small floor space and an easy operation make it a must have machine. The Coremaxx can cut cores of all standard and special sizes.

The CoreMaxx comes in 1500mm and 2000mm Core Length and includes 1" and 3" mandrels, mandrills. Other sizes are available upon request.

The Core Max can also be supplied in an automated version with Servo Motors and Pneumatic cutting actuators for Automatic high productive precision Core Cutting equipment.

# Store Maxx

UVGT designs and manufactures integrated space saving storage systems.

The storage systems can be modified as per the need of the customer to accommodate within the desired spaces.



We also manufacture an array of service trolleys which can be used for quick job changeovers and help in fastest make ready of a flexo press.

These are must have for every print shop not only to manage storage but also to enhance the look of the print shop.



The storage systems are modular with flexible mounting options in tiniest of spaces.



## **DOCTOR BLADE** SIZING MACHINE



90% of all ink spilling comes from inaccurate Doctor Blade cutting. Often an operator uses a scissor to cut the blade which is not at a 90° angle and not 100% accurate which results in ink spilling and frequent rejection of Doctor Blades which are thrown in the dustbin.

The UVGT Doctor's blade cutter allows you to make blade cutting a fast, easy and quick task. The easy to use Cutter is designed to be a long-time investment and an operator-safe solution for cutting doctor blades to exacting lengths.

A 90° square clean cut while producing a factory finish edge every time.

Designed to accommodate blades of all sizes.

**A must have for every Label converter.**



# DISCOVER THE MAGIC

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