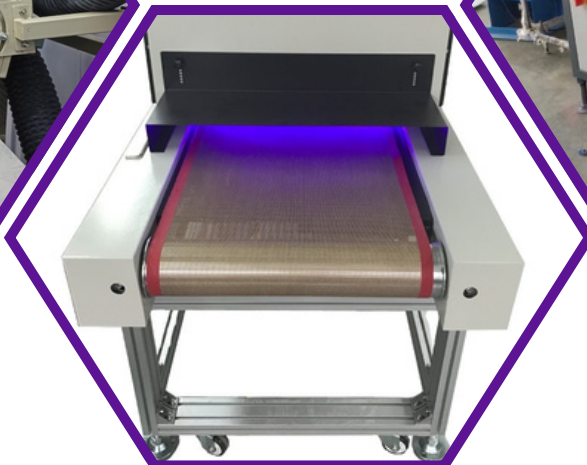




Your Partner for UV & IR Coating & Curing Solutions

MANUFACTURING, SERVICE & MAINTENANCE



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Illuminate your future with UV & IR Curing Excellence.

OUR PRODUCTS



1. CONVEYORIZED UV & IR CURING SYSTEM

Applications

- **UV Curing System:** Suitable for UV curable coatings and inks, Screen printing, Offset printing, Tin printing etc.
- **IR Curing System:** Applicable for drying water and solvent-based inks and coatings.

Machine Specifications

- **Drying/Curing Options:** Standalone UV or IR curing system available with variable width capacity (10 to 62 inches).
- **Variable Speed Control:** Allows for adjusting the processing speed between 5 to 45 meters per minute (mpm) or 15 to 150 mpm to match production needs.
- **Electrical Control System:** Designed for durability and minimal maintenance, featuring transformer or Electronics power supply based system. Optional PLC/HMI control panel for a user-friendly interface.
- **Form Factors:** Available in low pile, high pile, tabletop UV and lab UV model.

2. SHUTTERED UV CURING SYSTEM (AIR COOLED OR AIR + WATER COOLED)

System Type:

- Interdeck and End of press UV curing with water-cooled shutter, Available in 4 to 62 inches curable width.

Applications:

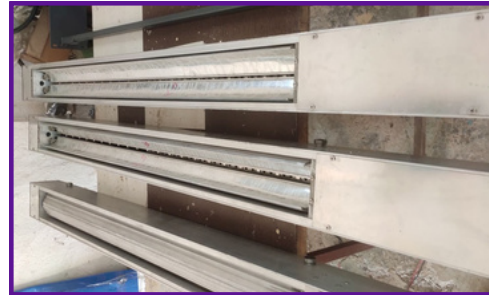
- Web offset printing, Flexographic printing, Roto-gravure printing, Roll to roll UV varnish coating, Hologram embossing, Cold foil coating, UV curable adhesive coating

Compatible Printing Presses:

- Heidelberg, Komori, KBA, Ryobi, Roland, Mitsubishi etc.

Electrical Control System and Connections:

- Auto shutter operation according to the printing machine impression signal.
- Long lasting with minimal maintenance
- Stepless adjustment with Electronic power supply or stepwise adjustment with transformer
- Transformer or Electronic power supply based
- PLC/HMI control panel offers a user-friendly interface for system operation and monitoring
- Plug-in connectors for electrical, pneumatic, and water circulation



3. NON - SHUTTERED UV CURING SYSTEM

Application & features:

- UV ink, varnish or paint spray coating
- UV for metallising
- Wide variety of products such as mobile phone accessories, cosmetic and perfume bottles, its caps, electrical switchgears components etc.

4. ROLLER FULL COATING SYSTEM

Application & features:

- **Offline Coating:** Roller coater machine is designed for offline coating
- **Coating Versatility:** It can handle various coatings, including UV varnish, aqueous varnish, and primer coats.
- **Full Paper Coating:** This machine is suitable for applying a uniform coat to the entire surface of paper stock.
- **User-Friendly Features:** Easy to operate and maintain. Available in 12 to 42 inches coat able width to accommodate different material sizes
- **Control System:** AC Drive with a digital sheet counter meter for precise operation. Optional PLC/HMI control panel for a user-friendly interface
- **Varnish Application:** Motorized varnish pump for efficient application and upgradable and scalable pump for future needs.
- **Cleaning:** Easy and quick cleaning of the varnish tray simplifies maintenance.
- **High-Pressure Air Knife (Optional):** This attachment facilitates applying thin coatings to paper as light as 250 to 450 GSM



- **Driven by servo motor and drive with encoder and PLC system:** This system uses a servo motor and control system for accurate and reliable operation.
- **Easy to install and low maintenance:** Makes the system user-friendly and reduces ongoing maintenance needs.

6. LED UV CURING SYSTEM

Technology:

- LED UV curing systems are a modern alternative to traditional mercury arc lamp based UV curing systems. Uses Light Emitting Diodes (LEDs) to emit ultraviolet light for curing applications.

Advantages of LED UV curing systems:

- **Energy efficient:** LEDs consume less power compared to mercury arc lamps.
- **Environmentally friendly:** No mercury waste disposal concerns.
- **Faster cure times:** LEDs can often achieve faster curing speeds than traditional lamps.
- **Lower heat generation:** Reduced risk of heat damage to substrates.
- **Safer operation:** LEDs typically emit a narrower range of UV wavelengths, potentially reducing safety hazards (consult safety data sheets for specific systems).
- **Longer lifespan:** LEDs generally have a longer operating life than mercury arc lamps.
- **Instant on/off:** No warm-up or cool-down time required for LEDs.

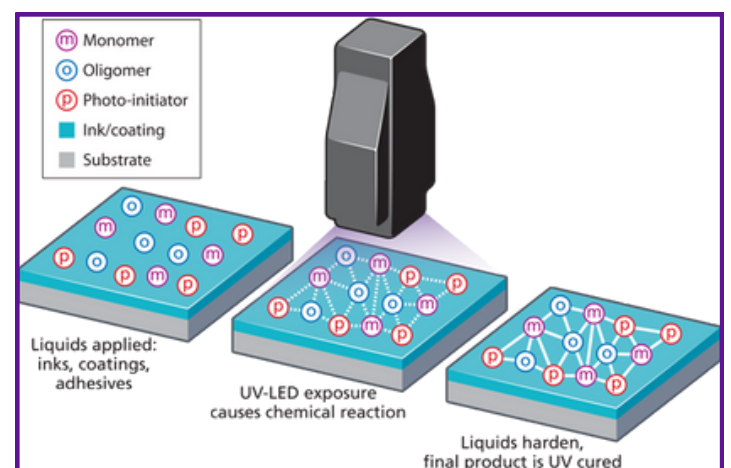
Application:

- **Printing and Packaging-** UV Ink, Varnish, or Paint Curing, Label Printing, Food Packaging
- **Electronics and Automotive-** Conformal Coating, Adhesive Curing, Surface Finishing
- **Medical and Consumer Goods-** Medical Device Manufacturing, Coating Applications
- **Other Applications-** Furniture Finishing, Fiber Optic Cable Production, 3D Printing.

5. ANILOX COATING ATTACHMENT SYSTEM

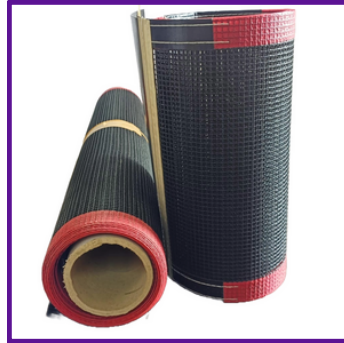
Application & features:

- **Auto synchronised with machine speed:** Ensures the coating application matches the production line's speed for consistent results and system provides precise control over the coating thickness and consistency.
- **Mechanical loading system:** Likely simplifies the process of loading the coating material.
- **Clamping system for fast doctor blade change:** Enables quick and easy replacement of the blade that regulates the coating.
- **Quick Roller change system with integrated design:** Allows for fast replacement of coating rollers, minimizing downtime.



7. OTHER PRODUCTS SPECIALLY DESIGNED FOR UV & IR CURING & COATING SYSTEM

1. UV Lamps
2. IR Lamps
3. Blowers
4. Teflon and Nylon conveyor belts
5. Transformers
6. Chokes
7. Electronics power supplies
8. Auto sheet stacker
9. IR and Hot air chamber
10. Capacitor banks
11. Anilox roller
12. Doctor blade



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