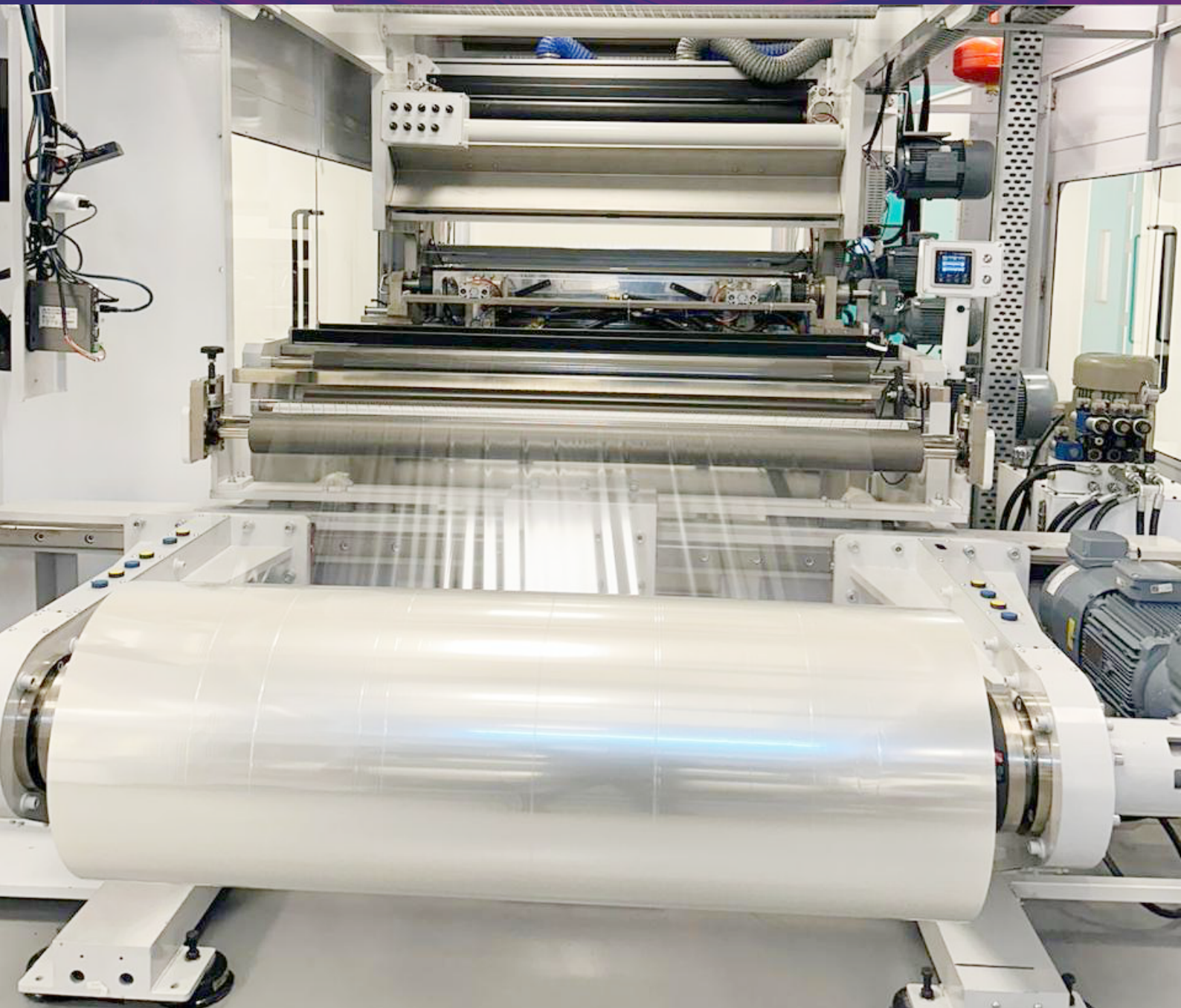


R2R Wide web UV Casting





Wide web UV Casting



XRD specializes in designing and manufacturing state-of-the-art wide-web UV casting machines, tailored for mass production of micro- and nanostructures with unmatched precision and productivity.

- Imaging through nickel sleeves & Seamless Cylinder
- Customized sizes and options to meet user requirements
- Transparent films 10 to 250 microns
- Multiple Coating and Curing Methods
- High speed production & quick change over

Main technical features

Machines	Xe 1050	Xe 1350	Xe 1650
Mechanical Speed (m/min)	200 m/min	200 m/min	200 m/min
Width (mm)	1050 mm	1350 mm	1650 mm
Coating width - maximum	1050 mm	1350 mm	1650 mm
Coating width - minimum	550 mm	650 mm	850 mm
Maximum reel weight	1000 kg	1000 kg	1000 kg
Un-winders maximum diameter	800 mm	800 mm	800 mm
Un-winders minimum / maximum tension	20 - 550 nm	20 - 550 nm	20 - 550 nm
Rewinders maximum diameter	800 mm	800 mm	800 mm
Rewinders minimum / maximum tension	40 - 550 nm	40 - 550 nm	40 - 550 nm
Curing method	LED	LED	LED
Range of materials	PET, BOPP, Nylon, PVC, Shrink PETG/PVC		

Market Segments

AUTHENTICATION

Bank notes
Tax stamps
ID cards
Brand Security

PACKAGING

Labels & Label Stock
Mono cartons
Flexible packaging
Paper packaging
Laminated tubes

INTERIOR & ARCHITECTURE

Decorative window film
Decorative Glass
High pressure laminate
Decorative PMMA, PC, PP, PS
Aluminium composite panels

PIGMENTS

Glitter powder
Security pigments
Special effects pigments

OPTICAL FILMS

Diffuser
Light guide films
Display films

LAMINATION

Thermal over lamination film
Book covers - deep groove

GIFT WRAP

Paper based
Biodegradable plastic film

TEXTILE

Decorative yarn
Laminated film (Spangle)

BALLOONS

Nylon film
Special effect films

Our Vision:

To continuously innovate cutting-edge precision equipment and high-performance UV resins that empower authentication and holography converters, setting new benchmarks in quality, reliability, and technological advancement.

Design Philosophy:

No two pieces of our equipment will ever be the same. With each iteration, we are committed to improving the design, ensuring continuous innovation and enhanced performance with every new development.

Customization Expertise:

We specialize in developing all of our machines based on the key requirements of each individual client. Whether it's adapting to specific production environments, integrating unique features, or enhancing performance for specialized applications, our team is dedicated to delivering tailor-made solutions. Every machine we produce is designed with flexibility in mind, ensuring it meets the exact needs of the user while incorporating the latest technological advancements.

Evolution of Xe Design



2023



2022



2022



2021



2020



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