



PRC Laser Europe N.V.
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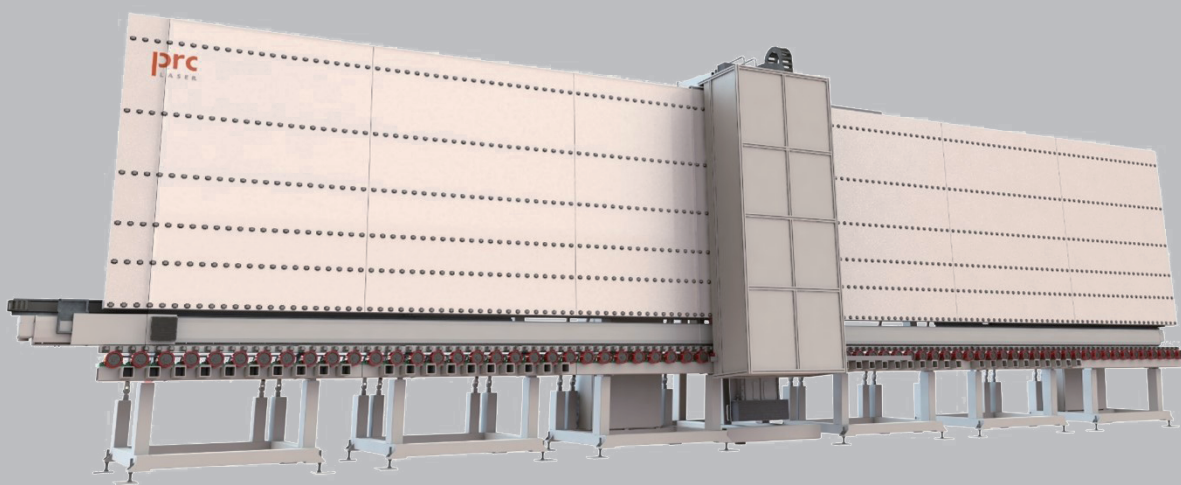
Tel: (32) 55.30.31.96
<https://prclaser-europe.be>



Top-notch customer service is our # 1 priority.
Every day.



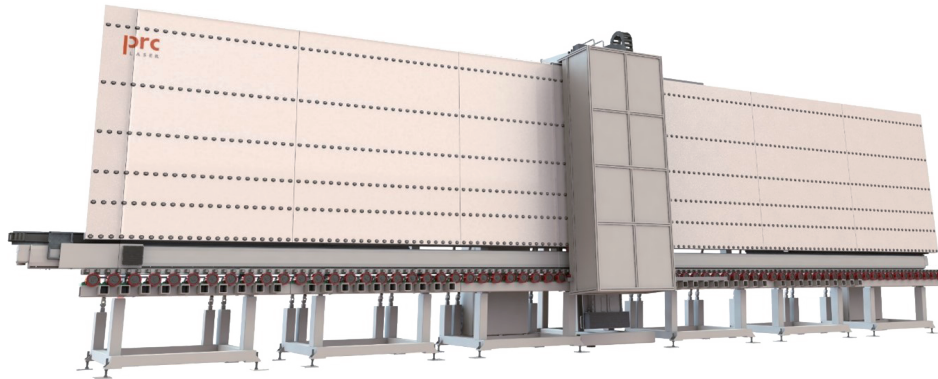
Laser Coating Removal Machine



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PRC Laser proudly presents its state-of-the-art laser machine, designed to revolutionize the removal of LowE coatings from glass panes. Installed for a major window manufacturer in Europe, this advanced system ensures that your glass products maintain their integrity while meeting the highest standards of quality and performance.



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Non-contact process – eliminates physical stress and minimizes the risk of glass breakage

Flawless results – no scratches or surface damage to the glass

Complete coating removal – ensures 100% clean, precise surface preparation

Scalable speed – process efficiency increases with laser power

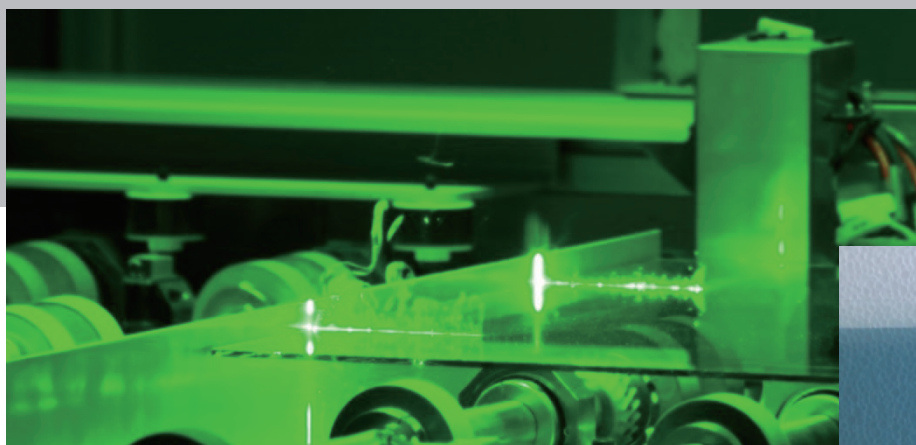
Unlimited flexibility – supports any shape or pattern of Low-E removal area

Instant readiness – zero setup time for maximum productivity

Innovative Laser Ablation Technology:

Our machine employs laser ablation, a cutting-edge process using ultra-short pulsed lasers to effectively remove LowE coatings without damaging or heating the glass surface. Here's how we do it:

- **Optimized Technology Package:** We've fine-tuned the wavelength, pulse duration, beam shape, and laser intensity to maximize coating removal per pulse.
- **High-Speed Operation:** With a pulse frequency of up to 2MHz, the laser beam is guided over the workpiece by a top-of-the-line scanner equipped with digital encoder technology, ensuring unmatched surface coating removal rates.



Exceptional Features of the PRC Laser XV5030:

- * Versatile Handling: Accommodates glass panes up to 5m x 2.7m.
- * Flexible Configuration: Available with a 70W laser or a high performance 200W laser source.
- * Full Automation: Designed for seamless integration into automated production lines.
- * Safety and Usability: Built within an eye-safe cabin, classified as a Class 1 laser system, and featuring a user-friendly graphical user interface (GUI).
- * System Integration: Easily integrates with existing ERP or MES systems for streamlined operations.

Item	Specification
Max. glass X dimension (*)	1580mm
Min. glass X dimension (*)	487mm
Max. glass Y dimension (*)	2020mm
Min. glass Y dimension (*)	398mm
Min. glass thickness	1.5mm
Max. glass thickness (*)	8mm
Max. coating removal strip width	100mm
Min. distance between scanners	220mm
Range of auto-focus (*)	25mm
Max. glass conveying speed	60m/min

(*) Can be customized upon request

Experience the Future of Glass Processing

Our LowE Coating Removal Laser Machine is not just a tool; it's a gateway to superior productivity and quality in glass manufacturing. With our machine, achieve faster cycle times, reduced operational costs, and an unparalleled finish.