



— VERTICAL & HORIZONTAL LAMINATORS FOR GLASS & MIRRORS

WALCO®, EXPERT IN INDUSTRIAL LAMINATORS



Powered by NOVACEL
Project The Surface



ABOUT WALCO

WALCO® is a strong brand formed by three skilled and talented companies specialized in laminators, based in Western Europe & the US.
In 2017, WALCO® joined the leader in surface solutions, NOVACEL®, and became the first global engineering group dedicated to the protection for all sensitive substrates.

3 KEY FEATURES

- Innovation & design
- Responsiveness and customer-oriented mindset
- Safety & ergonomics

Plus all the strength provided by over 60 years of shared experience in laminators.

VALUES FOR CUSTOMERS

- Innovation
- Listening to & advising our customers to meet their protection challenges
- Meeting our commitments (design to cost, on-time delivery)
- Extended after market services

CUSTOMER SERVICES

- Engineering: design, production and support
- Installation: test & simulation
- Training: operators & safety
- Spare parts program

HORIZONTAL LAMINATORS

We manufacture unique horizontal laminators custom-designed for the application of a process and protective film on Insulated Glass Units and flat glass.

TX

The WALCO® TX is an in-line and off-line laminator with a high-precision automatic cutting system, ideal for high-volume production.



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Added Value

- Possibility to apply several pieces of process and protective film to the same substrate
- Automatic film tension control (no film elongation)
- Automatic length based on each piece
- High precision automatic cutting system : Cut to the edge, Negative cut, Positive cut
- Application to top, bottom or both sides
- Fully adjustable

PRO-JET

The WALCO® PRO-JET is a stand-alone laminator with a manual cutting system, perfectly suited for small- to medium-scale production.



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Added Value

- Reliable & Easy to Use
- Manual Film Cutting : Film is applied to flat surfaces and manually cut by the operator.
- Application to top, bottom or both sides

Machines	Working Dimensions	IGU Thickness	Film Application	Cutting System
TX	From 1,300 mm (51") to 2,000 mm (79") Other dimensions available on customer request	0.5 mm to 80 mm (0.02" to 3.15")	Single-sided (top or bottom)	Automatic: Negative, cut-to-edge or positive cut
PRO-JET	From 1400 mm (55") to 2000mm (78") Other dimensions available on customer request	0.5 mm to 80 mm (0.02" to 3.15")	or Double-sided	Manual : Positive cut only

**The PRO-J laminator is also available, ideal for medium- to high-volume production, featuring an automatic guillotine film-cutting system for positive cut only*



— VERTICAL LAMINATORS

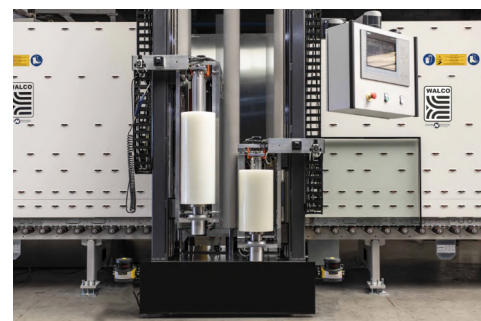
We manufacture unique vertical laminators custom-designed for the application of a process and protective film on Insulated Glass Units and flat glass.

Machines	Working Dimensions	Foot Print	IGU Thickness	Film Application	Cutting System	Main Characteristics
VX smart	Height: Minimal depending on film roll size –Maximum up to 3000 mm (118") Length: 500 mm to the maximum + conveyors length	Height : 3400 mm (134") Width (without HMI arm) : 750 mm (5,2") Depth : 3200 mm (126") with 350 mm diameter film rolls Length : 5770 mm (227") including 2,510 mm (100") for each infeed and outfeed conveyors	4mm (0.16") up to 80mm (3.2")	Single*	Automatic : Negative cut	Entry-level laminator with compact footprint, (approximately 7 meters in length)
VX stand alone	Height: Minimal depending on film roll size - Maximum up to 2,500 mm (98.4") Length: 500 mm to the maximum conveyor length	Height : 3860 mm (152") Depth : 2,200 mm (86") Standard length: approximately 13,800 mm (543"), including 2 x 3,700 mm (145") conveyors, + 2 x 2,500 mm (98") conveyors, and the VX Stand-Alone machine (length excluding conveyors: approx. 1,400 mm (55")) Vertical position with 6° tilt	4mm (0.16") up to 80mm (3.2")	Double-sided	Automatic : Negative cut with adjustable edge margin	Ergonomic industrial vertical glass laminator for intensive use
VX in-line	Height : Minimal depending on film roll size – Maximum up to 2,500 mm (98.4") Length: 500 mm to the maximum conveyor length	Height : 3860 mm (152") Depth : 2,200 mm (86") Length : 12 000 mm (472") with 2 conveyors of 2510 mm (100") and 3 of 1190 mm (47")	4 mm (0.16") up to 80mm (3.2")	Double-sided	Automatic : Negative cut with adjustable edge margin	Vertical laminator integrated into a high-volume, continuous production line

*Single application head for single or double-sided lamination

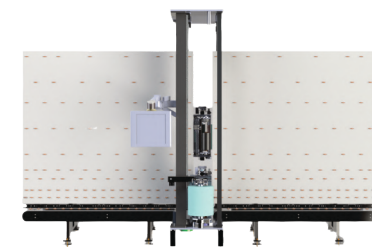
WALCO ASSETS

- Perfect film application on your substrates :
Bubble-free, Wrinkle-free, No film elongation
- Safety & Ergonomics
- Easy to use
- Industrial & compact



— OUR PRODUCT RANGE

VX SMART



VX STAND -ALONE



VX IN -LINE



ADDED VALUE

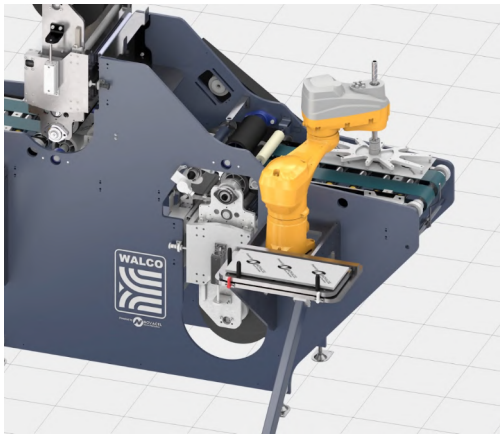
- WALCO® patent on film positioning and cutting system.
- Entry-level machine
- Reduced foot print (Length about 7 m)



- Automatic application of film width with respect of glass size
- Protection of both sides of the glass in a single pass
- Only 30 sec to cover both sides of 1 square meter

In addition to the VX Stand-Alone :

- Compatible with any brand of glass assembly line
- Non stop during the glass production
- Reduced cycle time



CUSTOM DESIGNED

WALCO® develops custom-made laminators to meet your technical needs, large widths or heights, high speeds, different widths or heights for each substrate, special layouts, application of consumables other than protective film, etc.

Thanks to WALCO®'s technical know-how, we can meet your application requirements.

ADDITIONAL EQUIPMENT

- De-palletizer and automatic palletizer to handle panels at the entrance and exit of the lamination process;
- Lifting tables and feeders;
- Rollers or disc conveyors;
- Bidirectional translators;
- Turning devices;
- Robotic arm for workpiece handling

FOCUS ON NOVACEL SOLUTIONS

Since 2017, WALCO and NOVACEL have shared their knowledge and experience about the surface protection. We also worked with our customers to understand how we can help them to be more efficient in their processes.

Application	Grade	Product Type	Thickness (µm/mils)	Color	Outdoor Resistance	Features
IGU	9343	Film	49 / 2	Clear transparent	12 months	Compatible with VX
IGU	4565	Film	49 / 2	Blue	12 months	Compatible with VX
IGU	9561	Film	70 / 2.8	Clear transparent	12 months	Compatible with VX
IGU	3110	Film	70 / 2.8	Clear transparent	12 months	Compatible with VX Eco-responsible solution
Mirror safety back	9212	Film	70 / 2.8	Clear transparent	NA*	Permanent PET EN12600 2B2
Mirror safety back	8028	Film	145 / 5.7	White	NA*	Permanent PE USA - Cat I
Coated glass	4201	Film	50 / 2	Clear transparent	none	-
Acid etching	4178	Film	25 / 1	Clear transparent	none	-
Acid etching	3120	Film	28 / 1,1	Clear transparent	none	Eco-responsible solution
IGU	BN53	Masking Tape	80 / 3.2	Green	NA*	PET carrier with silicone adhesive High temperature resistance up to 180°C / 355°F
IGU	BN23	Masking Tape	60 / 2.4	Green	NA*	PET carrier with silicone adhesive Tape, high temperature resistance up to 130°C / 265°F

NA*: Not Applicable



WHY USE NOVACEL SOLUTIONS?

> A Global Solution Provider

Novacel offers complete solutions with industrial processing films, technical tapes, paper products, machines and associated services.

> Unique features for your specific needs

We create innovative solutions to improve your industrial efficiency and to take care of people; films dedicated to new surfaces or processes, low noise, easy peel or easy to unwind.

> Expertise & Technical support

Our teams are dedicated to provide you the best experience and to assist you from the initial search for the right solution right up to its final implementation.

> A Strong CSR Commitment

Novacel keeps working on its carbon footprint by improving its production, creating eco-responsible solutions and placing human well-being at the heart of its strategy

— OTHER APPLICATIONS



Pre-coated Metals



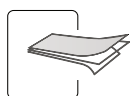
Plastics



Bare Metals



Profiles



Laminates



Glass & Windows



ASK FOR FREE RECOMMENDATIONS ON WALCO® LAMINATORS

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