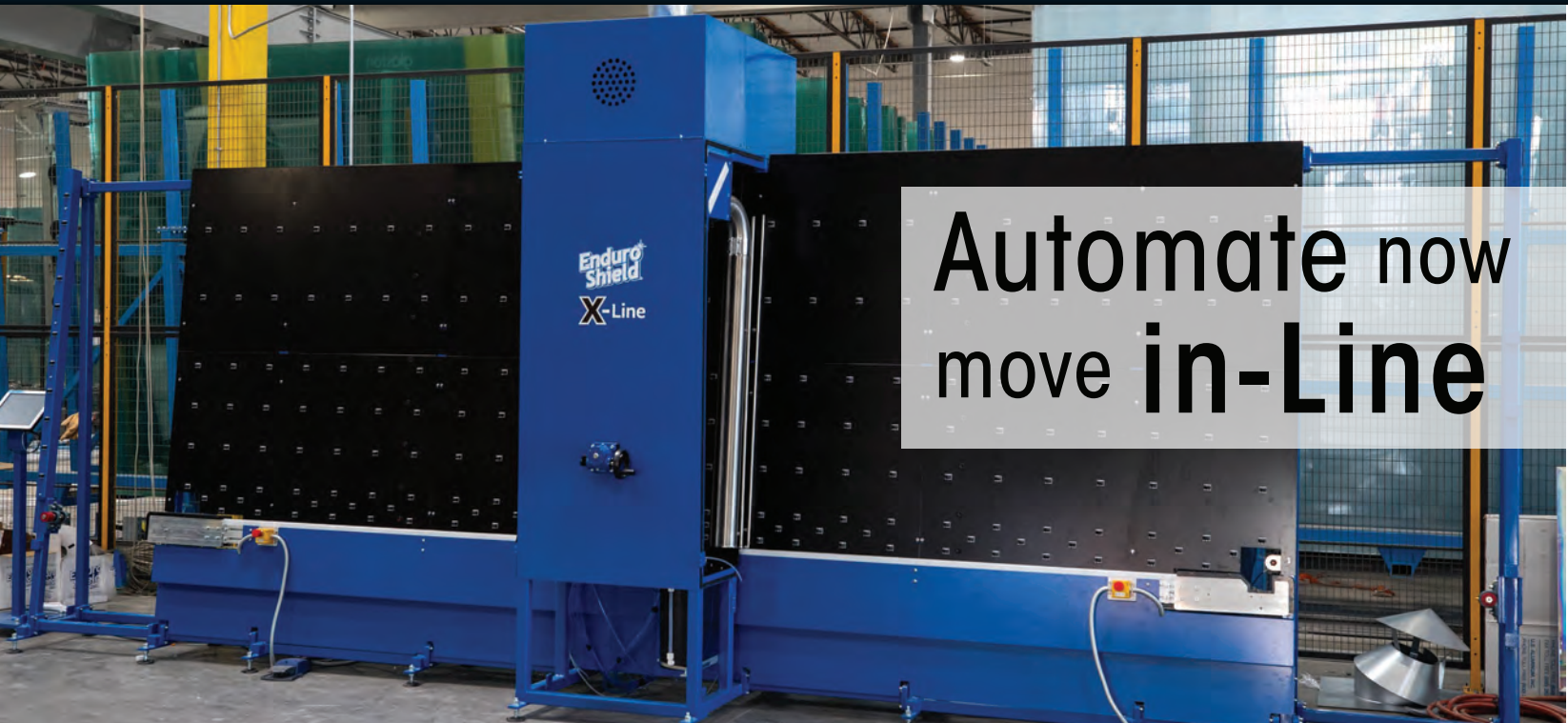


Enduro Shield

X-Line



Automate now
move **in-Line**

High speed in-Line coating solution for applying
EnduroShield easy clean glass treatment

X-Line

The X-Line is designed and built by EnduroShield based on customer driven design. The fully automated vertical system streamlines the application of EnduroShield easy clean glass coating, allowing scalability to any size of operation.

Built in extraction system

Precision sprayers

Single or double sided options

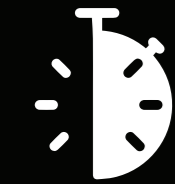
3 Machine sizes available
Choice of left to right or right to left direction in 3 different sizes.

Optimal coverage
Automatic height sensors and precision sprayers for optimal coverage

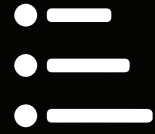
Accuracy + control
Conveyor is driven by a single variable speed servo driver for smoothness, accuracy and control

Manual or automatic adjustment
Manual or automatic glass thickness adjustment available

Easy operation
Touch screen, windows embedded software controls all functions of the machine providing a user-friendly experience



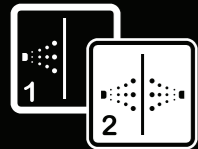
Fast + efficient
30 seconds per panel / average of 12 meters per minute



In-Line or stand alone
Reduces double handling and does not impact production flow



Driving value
Economically priced with less wastage - an affordable machine which applies the right amount of coating, every time



Complete flexibility
Single sided or double sided coating machine options available

Applies industry's best performing easy clean coating

X-Line

“As one of North America’s largest shower door manufacturers we have partnered with EnduroShield since 2009. The migration to the X-Line, being a single piece flow solution provides us the flexibility and efficiencies consistent with our focus for continuous improvement.”

Jared Ross

President HMI Cardinal



X-Line Specifications	1600	2600	3400
Machine Length:	5870mm (231")	6070mm (231")	9600mm (378")
Machine Height (with extraction system)	3093mm (121.77")	4090mm (161")	5290mm (208")
Conveyor Height	680mm - 740mm (26.77" - 29.13")		
Operational Direction	Choice of left to right or right to left		
Speed	Avg 12 meters per minute (39.4 ft) = 30 seconds per panel		
Power:	3 Phase 400 VAC +/- 10% with Neutral, 50Hz. International 3 Phase 208 VAC +/-10% with Neutral 60Hz. USA 10 Amps/phase		
Air Consumption	Maximum requirement at any one time:		
Single Sided Machine	21 CFM (157 GPM)	33 CFM (246 GPM)	44 CFM (329 GPM)
Double Sided Machine	42 CFM (306 GPM)	67 CFM (501 GPM)	88 CFM (658 GPM)
Data Connection	LAN connection to the machine for online monitoring of performance metrics and remote support		
Coating Coverage:	Up to 80 sqm's per litre (Average) / 3,277 ft ² / per gallon		
Maximum Glass Panel Height:	1600mm (63")	2600mm (102")	3400mm (134")
Glass Panel Thickness:	4mm – 32mm (0.16" - 1.18")	4mm – 32mm (0.16" - 1.18")	4mm - 50mm (0.16" - 2")
	4mm - 50mm (Optional)	4mm - 50mm/75mm (Optional)	4mm - 75mm (Optional)
Glass Panel Length:	2500mm (98") *		4500mm (177") *
with Optional Loading & Unloading Frame or a washing machine & Unloading Frame	4000mm (157")		
Capacity:	1 person = 160 sqm's (1722 sq.ft) per hour 2 persons = 240 sqm's (2583 sq.ft) per hour 4 persons = 640 sqm's (6889 sq.ft) per hour Based on 50% height capacity of the X-Line1600 with panel dimension of 1m (39.4") x 2m (79") (Assuming ready supply of clean glass)		

DISCLAIMER - Product specifications may be changed at any time based on improvements and other reasons.



Low Maintenance

Remote access and simple design for self-servicing with internationally branded components. Training and ongoing technical support provided.

Performance Metrics

Online monitoring of performance metrics records throughput and coverage per panel.

Choose the X-Line model that matches your needs

EnduroShield

“We have used a number of different options over the years with limited success, however when we saw the superior product and support that comes from being an EnduroShield partner we were quick to make the move. EnduroShield and our partnership has proven its worth over the past 8 years.”
Bobby Landeros
PRL Glass Systems

Value add to your glass products

EnduroShield enables glass processors to differentiate from the competition by producing easy clean, low maintenance glass that offers great value to customers, and a value added service that drives increased revenue.

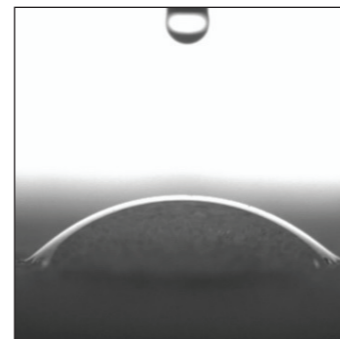
Combined with the X-Line machine, EnduroShield provides glass processors the complete solution.

EnduroShield's easy clean treatment is increasingly being used in commercial and residential projects, ideal for:

- ✓ Shower glass
- ✓ Insulated glass
- ✓ Facades
- ✓ Railings
- ✓ Printed glass and more



Treated Glass



Untreated Glass

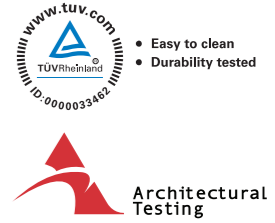
Industry Leading Performance

- A product of great benefit for the end customer at an affordable price point
- 10 year limited warranty - an industry best performance warranty that the glass will be hydrophobic and oleophobic (easy to clean) for 10 years
- Single application permanently* bonds to the glass. Revitalizer products are not required to maintain performance
- Single coating application (does not require two part treatment, reducing time & labor costs)
- Glass is easy to handle straight after application (glass is not slippery)
- UV stable

*Based on 10 years of simulated normal use and certified by TÜV Rheinland

Open & Clear Certification

EnduroShield has been awarded certification from TÜV Rheinland Germany for both durability and easy to clean functionality. The durability test was carried out to simulate a lifetime of 10 Years on interior and exterior use. Architectural Testing, one of the North American glass industry's most respected testing houses has completed independent comparison on the respective options available in the market with EnduroShield the clear leading performer. Combined with our in field project references, the testing and certification provides our customers and the general public quantifiable evidence of performance from some of the world's most prestigious independent, international testing agencies.

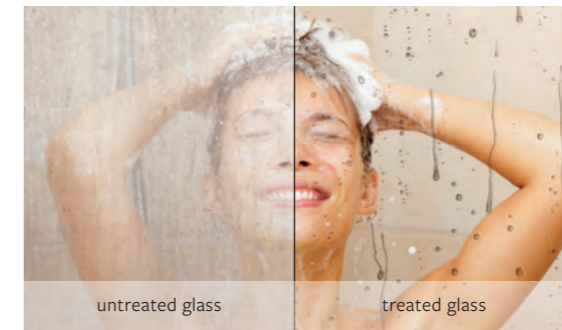


Supported Warranty System

The EnduroShield warranty system provides both glass suppliers, contractors, and end customers with a simple and transparent approach to registering their EnduroShield 10 year warranty. The warranty process captures data such as the customer's name, address, date of installation, and contractor through online registration of a unique warranty code. This data is maintained in a database, allowing for quick and accurate access to all necessary information in the event of a customer call.

Sales and Marketing Support

At EnduroShield, we pride ourselves on fostering a partnership that helps our customers grow through high quality marketing initiatives that appeal to a variety of markets. Complimentary marketing materials are provided, including brochures, promotional videos, demonstration sales tools, website integration support, and tailored graphic design to suit customer branding.



Trusted partner to glass processors and fabricators globally

Enduro Shield

pct
GLOBAL™

AUSTRALIA

PCT Global Pty Ltd
5/21 Bearing Road
Seven Hills NSW 2147
Australia
sales@enduroshield.com
Tel: +61 2 9674 9299

AMERICAS

PCT Global LLC
110 El Paseo
Santa Barbara CA 93101
USA
salesusa@enduroshield.com
Tel: +1 805 617 4609

EUROPE

EnduroShield Europe B.V.
Slimdijk 4
1631 DB Oudendijk
Netherlands
saleseurope@enduroshield.com
Tel: +31 208 081 445

CHINA

Zhuhai EnduroShield
Hi-Tech Material Co., Ltd
06-1206/1009 Jiuzhou Ave. Xiangzhou,
Zhuhai, Guangdong
P.R. of China
saleschina@enduroshield.com
Tel: +86 400 842 9152

DISTRIBUTORS

EnduroShield has Distributors in over
25 countries. For a complete list,
please visit our website
enduroshield.com

origen
AUSTRALIA

Origen Australia Pty Ltd
4/21 Bearing Road
Seven Hills NSW 2147
Australia
sales@enduroshield.com
Tel: +61 2 9674 9299

enduroshield.com/xline

Made in Australia

EnduroShield is a registered trademark of PCT Global Pty Ltd
X-Line is a registered trademark of Origen Australia Pty Ltd



ISO 9001:2015
Quality Management
System Certified

