

Flat Glass

General Catalogue



EN

Flat Glass Technology

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we • glass

we ●

glass

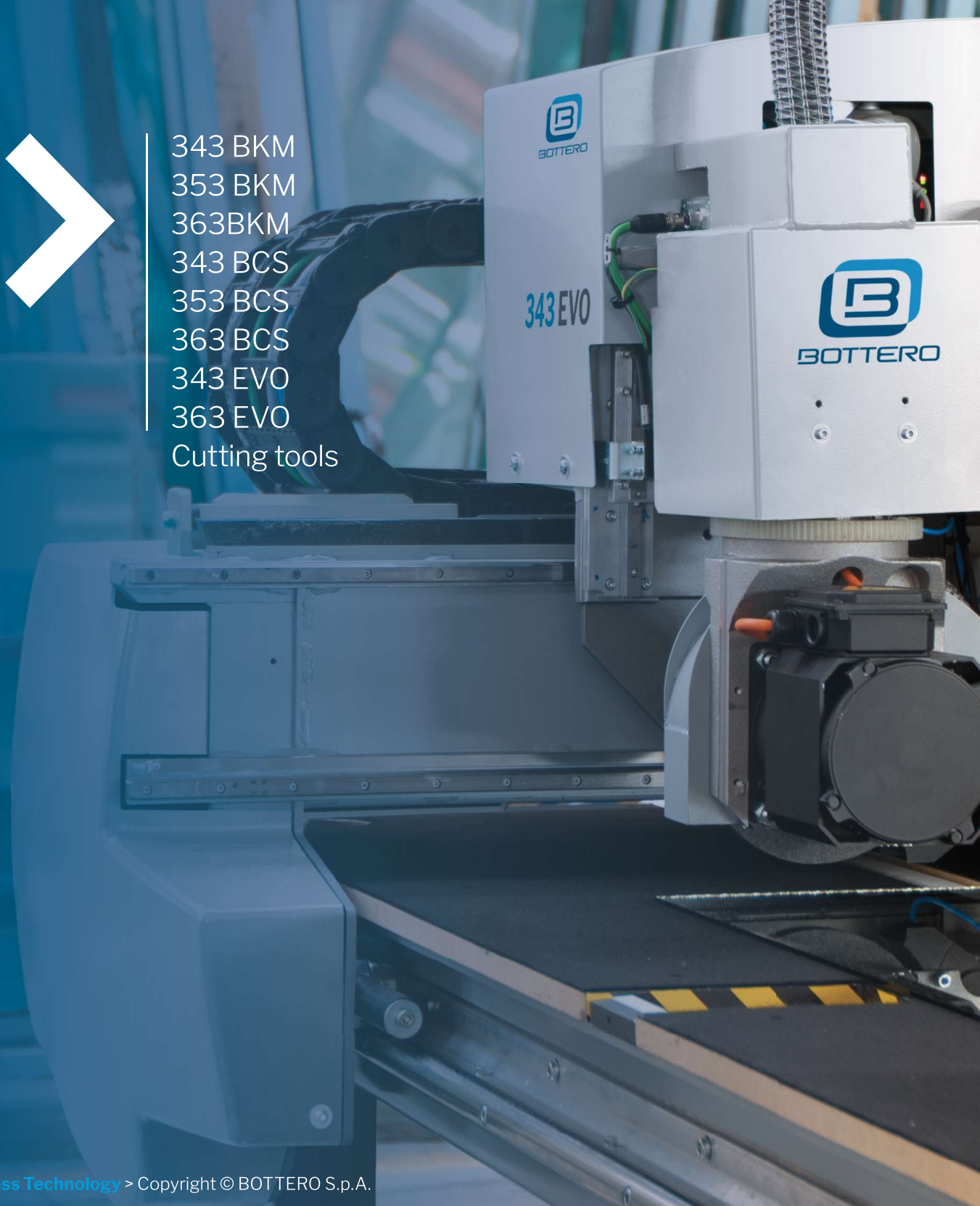
we **know** glass, we **love** glass

As a global leader in flat glass and hollow glass processing technology, we have been helping to shape one of the most beautiful and useful materials in the world for over 60 years. Its unique qualities, combined with the passion for technology and innovation, guide us in seeking for newer and more effective solutions to improve and expand its use.

Float Cutting



- 343 BKM
- 353 BKM
- 363BKM
- 343 BCS
- 353 BCS
- 363 BCS
- 343 EVO
- 363 EVO
- Cutting tools





A complete range of cutting machines for float glass. From stand alone machines to high automation lines, a complete range of performances as well as the possibility having low emissive removal on all configurations.

343 BKM

Cutting and Low-e grinding machine for monolithic glass sheets. The model Moduline 343 BKM is available with fixed working table and belts. The shape cutting table is complete with air cushion and quick shut-off valve for air cushion (option), automatic management of cutting pressure and shape scanner + scan cad.

Plank Type	On-line Cut
Processed glass	Float
Processing	Cut Only
Automation level	★★★★•

Evaluation based on comparison with other Bottero products of the same category.





Technical features

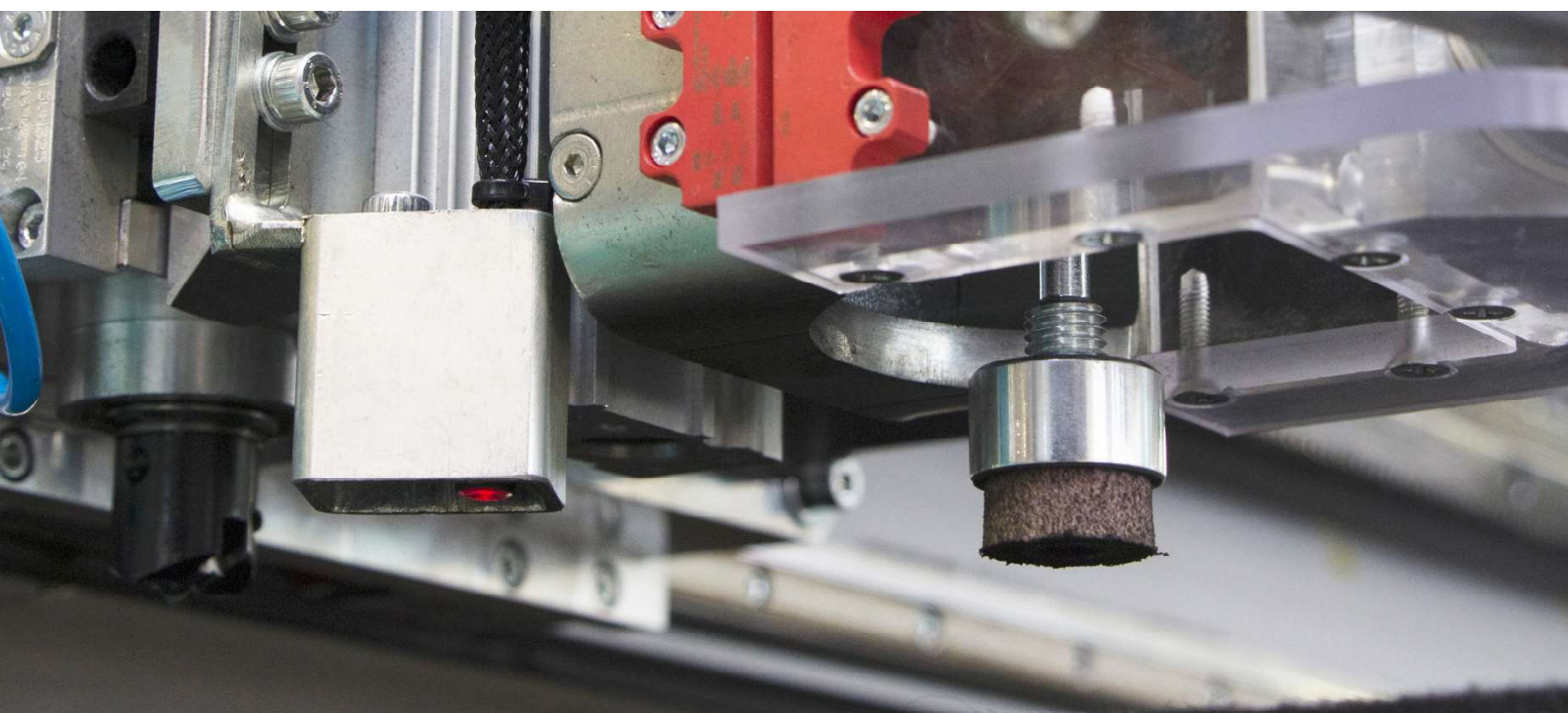
	Metric	Imperial
Max cutting speed	150 m/min	5906 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Max glass size	6100 x 3355 mm 3810 x 2750 mm	240" x 132" 150" x 108"

353 BKM

Loading, cutting, grinding, and breakout machine for monolithic glass sheets. The model Modulinea 353 BKM is available with fixed or tilting working table. The shape cutting table is complete with air cushion, quick shut-off valve for air cushion, automatic management of cutting pressure and shape scanner + scan cad.

Plank Type	Stand Alone
Processed glass	Float
Processing	Cut Only
Automation level	★★★★●●

Evaluation based on comparison with other Bottero products of the same category.





Technical features

	Metric	Imperial
Max cutting speed	150 m/min	5906 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Max glass size	6100 x 3355 mm 3810 x 2750 mm	240" x 132" 150" x 108"

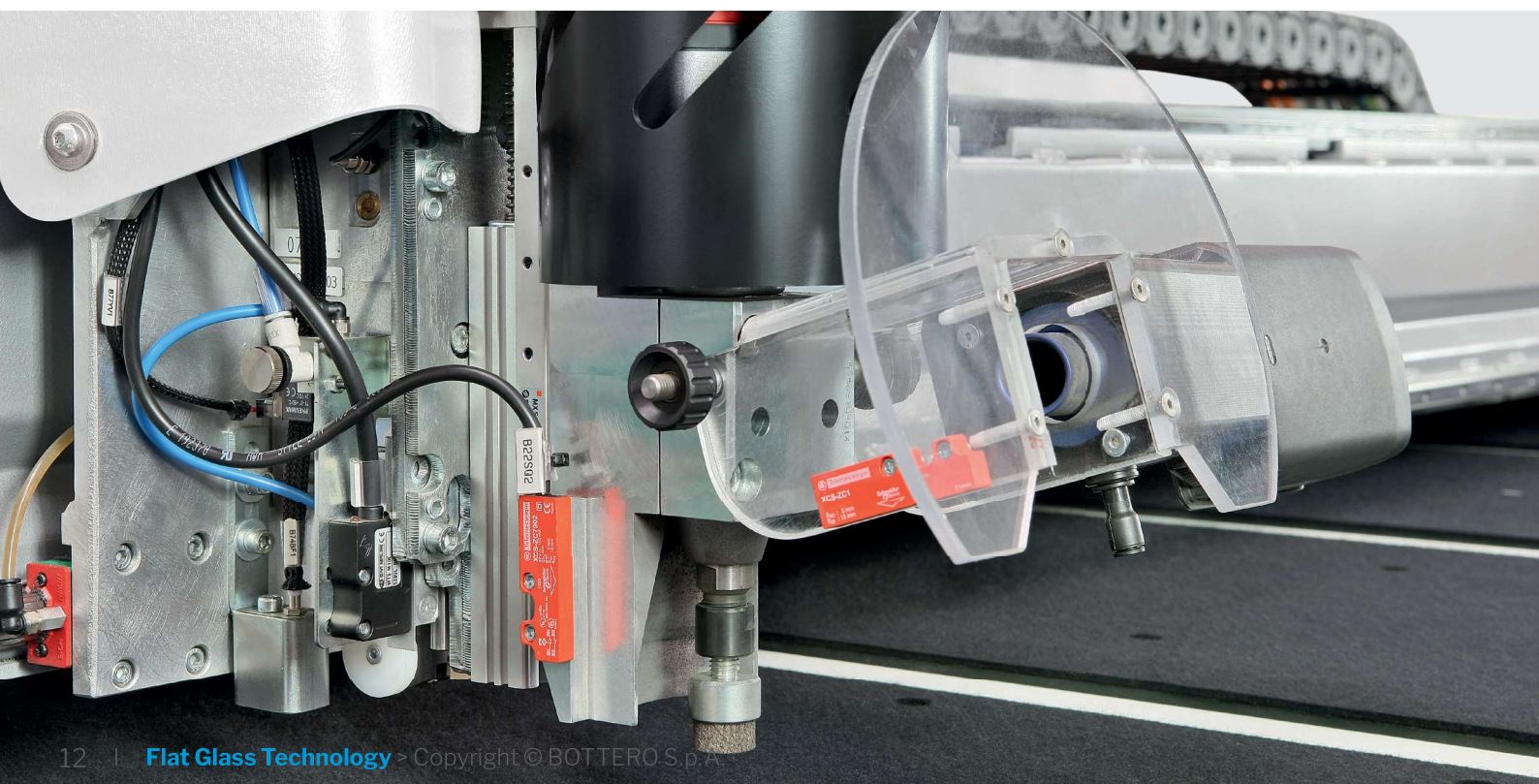
363 BKM

Loading, cutting, and break out machine for monolithic glass sheets, can be combined with manual or automatic loading and breakout modules and laminated modules.

The model Moduline 363 BKM is available with fixed or tilting working table. The shape cutting table is complete with air cushion and belts transport, quick shut-off valve for air cushion, automatic selection of the cutting pressure and shape scanner.

Plank Type	On-line Cut
Processed glass	Float
Processing	Cut Only
Automation level	★★★★•

Evaluation based on comparison with other Bottero products of the same category.





Technical features

	Metric	Imperial
Max cutting speed	150 m/min	5906 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Max glass size	6100 x 3355 mm 3810 x 2750 mm	240" x 132" 150" x 108"

343 BCS

This cutting, grinding and marking machine can be combined with manual and automatic loading and breakout modules.

The shape cutting table model Modulinea 343 BCS is fixed and complete with belts transport, automatic selection of the cutting pressure, shape scanner + scan cad, optimizer on board and bcms windows.

Plank Type	On-line Cut
Processed glass	Float / LOW-E
Processing	Cut + 1 Additional Tool
Automation level	★★★★★

Evaluation based on comparison with other Bottero products of the same category.





Technical features

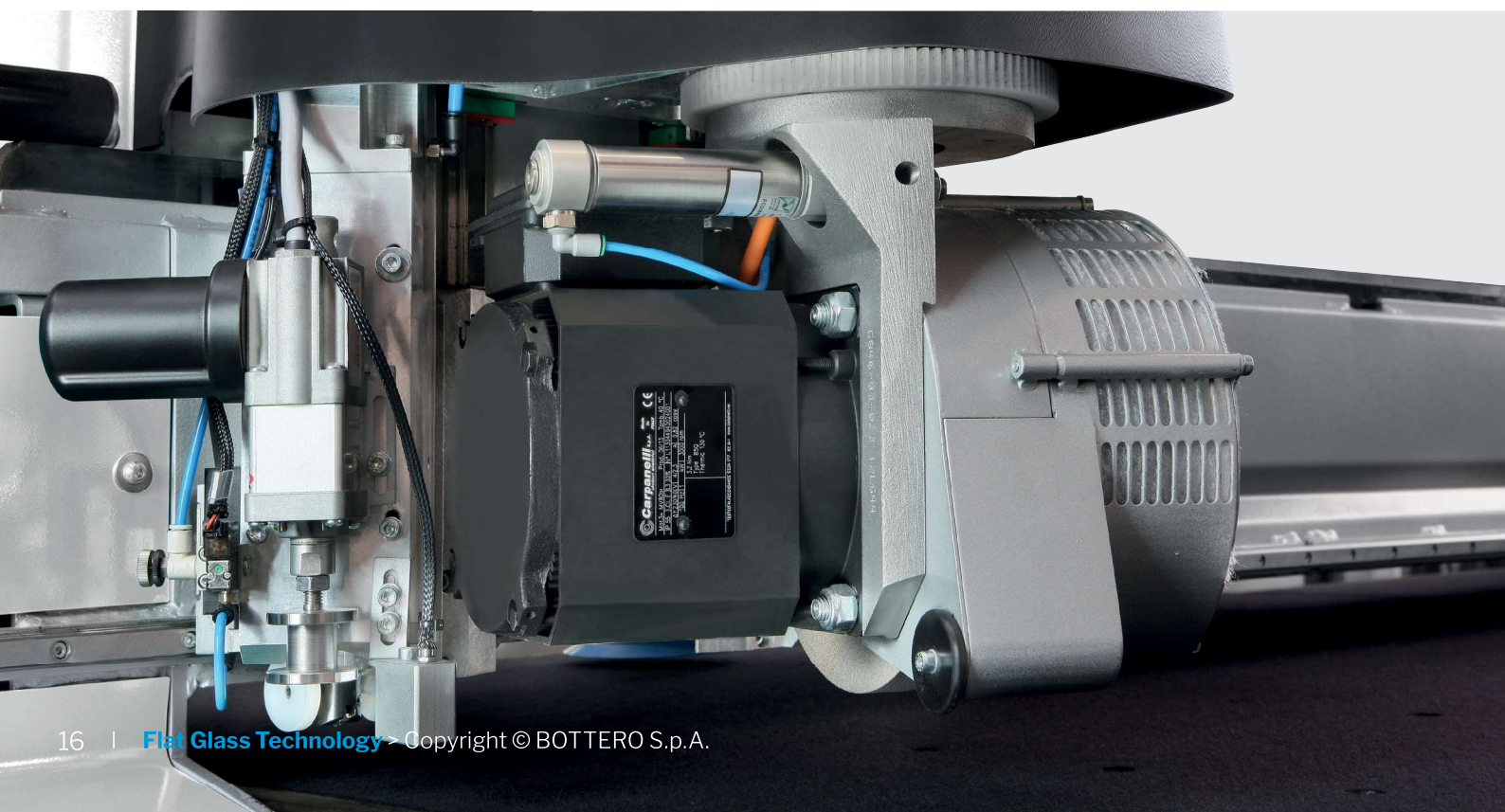
	Metric	Imperial
Max cutting speed	200 m/min	7874 ipm
Max low-e grinding speed	160 m/min	6299 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Optional glass thickness	2 ÷ 25 mm	5/64" ÷ 1"

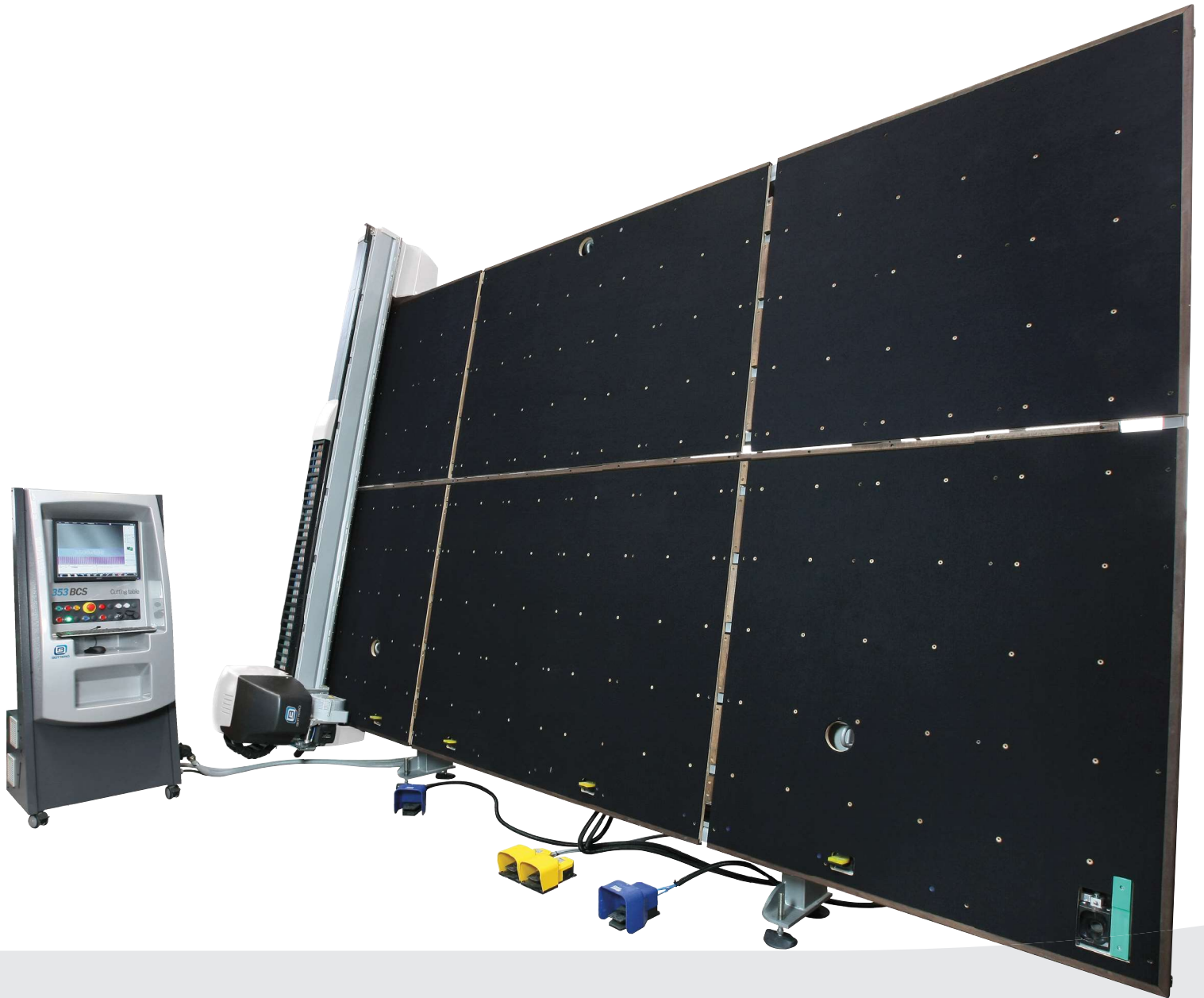
353 BCS

Loading, cutting, grinding, marking and break out machine for monolithic glass sheets. The model Modulinea 353 BCS is available with fixed or tilting working table. The shape cutting table is complete with air cushion, quick shut-off valve for air cushion, automatic selection of the cutting pressure and shape scanner.

Plank Type	On-line Cut
Processed glass	Float / Laminated / LOW-E
Processing	Cut + 1 Additional Tool
Automation level	★★★★●●

Evaluation based on comparison with other Bottero products of the same category.





Technical features

	Metric	Imperial
Max cutting speed	200 m/min	7874 ipm
Max low-e grinding speed	160 m/min	6299 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Optional glass thickness	2 ÷ 25 mm	5/64" ÷ 1"

363 BCS

Loading, cutting, grinding, marking and break out machine for monolithic glass sheets, can be combined with manual or automatic loading and breakout modules and laminated modules. The model Modulinea 363 BCS is available with fixed or tilting working table. The shape cutting table is complete with air cushion and belts transport, quick shut-off valve for air cushion, automatic selection of the cutting pressure and shape scanner.

Plank Type	On-line Cut
Processed glass	Float / LOW-E
Processing	Cut + 1 Additional Tool
Automation level	★★★★•

Evaluation based on comparison with other Bottero products of the same category.





Technical features

	Metric	Imperial
Max cutting speed	200 m/min	7874 ipm
Max low-e grinding speed	160 m/min	6299 ipm
Accuracy	± 0,15 mm	± 0,006"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Optional glass thickness	2 ÷ 25 mm	5/64" ÷ 1"

343 EVO

This cutting, grinding and marking machine can be combined with manual and automatic loading and breakout modules.

The shape cutting table model Moduline 343 EVO is fixed and complete with belts transport, automatic selection of the cutting pressure, shape scanner + scan cad, optimizer on board and bcms windows.

Plank Type	On-line Cut
Processed glass	Float / LOW-E & TPF
Processing	Cut + 2 Additional Tools
Automation level	★★★★★

Evaluation based on comparison with other Bottero products of the same category.





Technical features

	Metric	Imperial
Max cutting speed	200 m/min	7874 ipm
Max low-e grinding speed	160 m/min	6299 ipm
Accuracy	± 0,1 mm	± 0,004"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Optional glass thickness	2 ÷ 25 mm	5/64" ÷ 1"

363 EVO

Loading, cutting, grinding, marking and break out machine for monolithic glass sheets, can be combined with manual or automatic loading and breakout modules and laminated modules. The model Modulinea 363 EVO is available with fixed or tilting working table. The shape cutting table is complete with air cushion and belts transport, quick shut-off valve for air cushion, automatic selection of the cutting pressure and shape scanner.

Plank Type	Dual Line
Processed glass	Float / LOW-E & TPF
Processing	Cut + 2 Additional Tools
Automation level	★★★★★

Evaluation based on comparison with other Bottero products of the same category.





Technical features

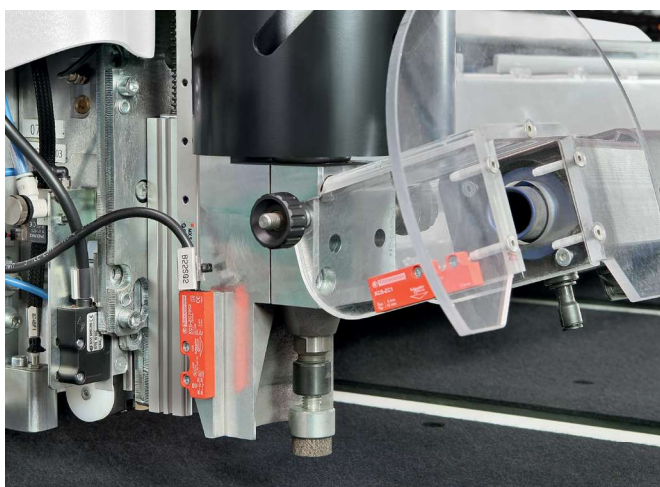
	Metric	Imperial
Max cutting speed	200 m/min	7874 ipm
Max low-e grinding speed	160 m/min	6299 ipm
Accuracy	± 0,1 mm	± 0,004"
Glass thickness	2 ÷ 19 mm	5/64" ÷ 3/4"
Optional glass thickness	2 ÷ 25 mm	5/64" ÷ 1"

Cutting tools



LMT

High performance system for the Edge Deletion of Low-E coating with 200 mm diameter peripheral wheel. The ideal solution for large Low-E edge deletion needs thanks to the max 160 m/min processing speed on structural glazing too.



Easy deletion

Edge deletion of Low-E coating with vertical axis wheel operating at up to 80 m/min speed and therefore compatible to moderate edge deletion requirements.



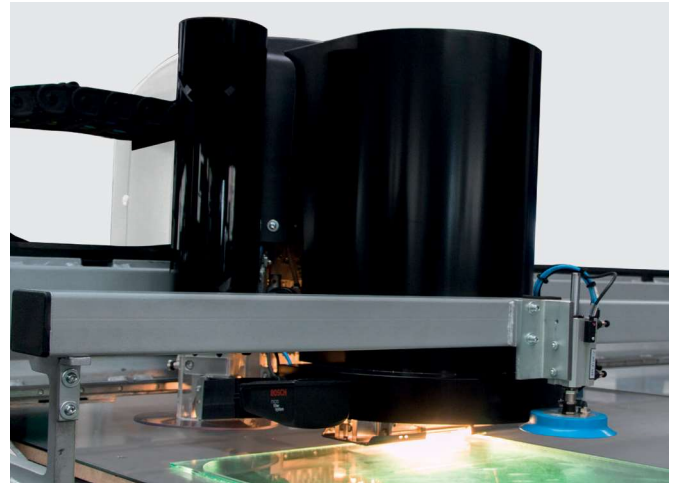
PPL

The automatic labeling system is the best solution for obtaining the identification (free from human errors) of the glass and consequently the most efficient organization of post-processes within the factory.

LAM Shape

Cutting, breakout and detachment system for the production of small batches of laminated glass to shape within a normal float glass production.

The innovative system patented by Bottero optimises the radiant power without overheating the glass and allows performing the final glass detachment operation without the use of other tools. The total coverage of the area being processed avoids flash leakage, thus ensuring maximum safety for the operators.

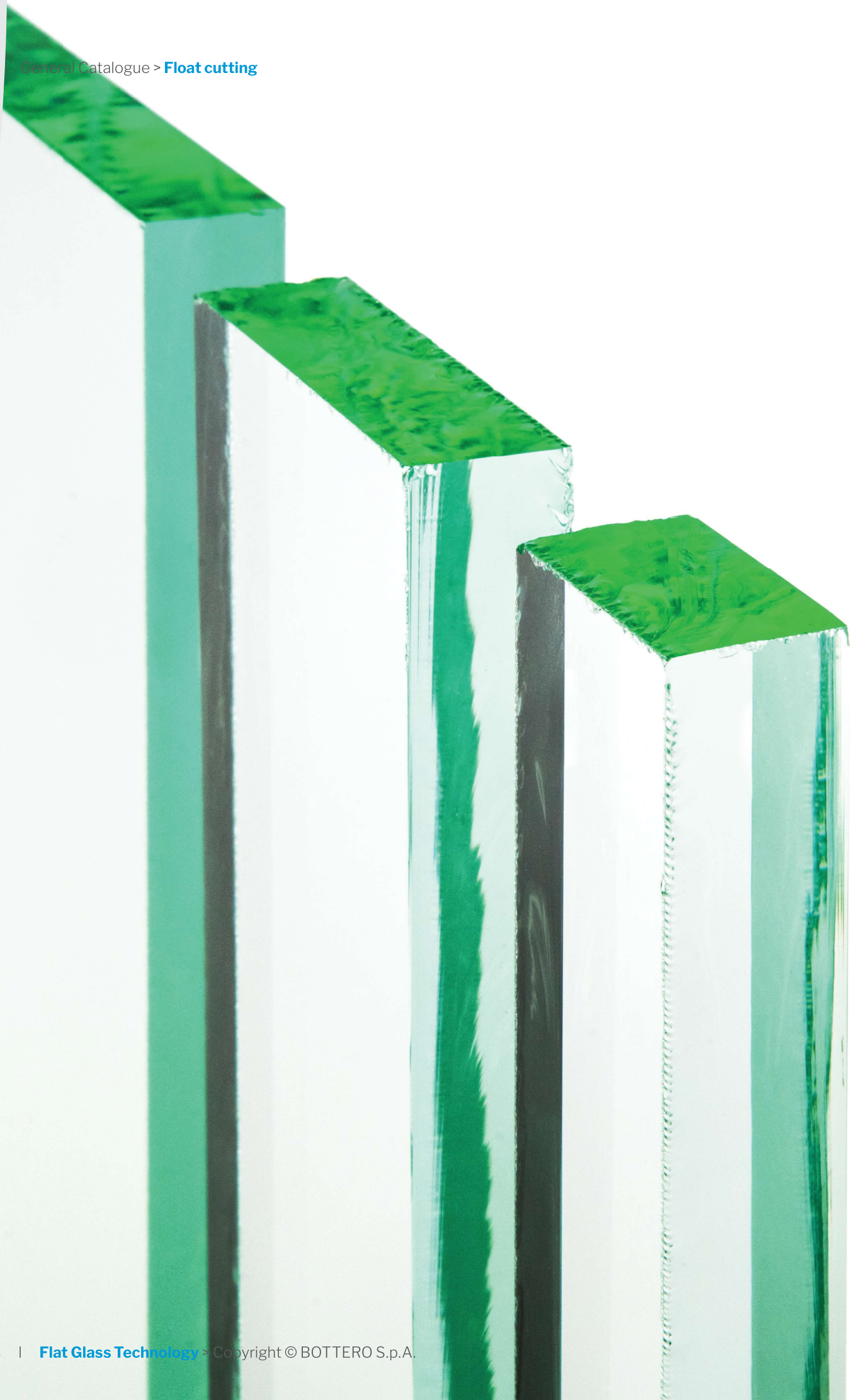


CO2 Laser

High performance laser marking unit, for permanent marking onto the surface of the glass.

The device is composed by a CO2 laser source (class 4), which is installed on the cutting table bridge and is automatically positioned over the surface to be marked. It can be applied on each kind of glass: float, laminated, low-e, ...





Tools Configurations

	Max tools number	Easy Deletion	LMT	PPL	Lam Shape	CO ₂ Laser
BKM	1	•				
BCS	1	•	•	•	•	
EVO	2		•	•		•