EN

GLASS
SOLUTIONS

GRINDING
EDGING MACHINES
BEVELLING MACHINES

WASHING
VERTICAL WASHING MACHINES

COMPLEMENTARY PROCESSING
CORNERS GRINDING MACHINES
HORIZONTAL DRILLING MACHINES

LATTUADA
+ADDING VALUE

adeliolattuada.com

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ADDING VALUE

LATTUADA
+ADDING VALUE

THE INESTIMABLE VALUE OF GIVING AND RECEIVING

THE VALUE RECEIVED

Every person who has trusted Lattuada has enriched its story. Each glass (or stone) processing solution completed and put into production has added even more experience and drive.

THE VALUE OFFERED

Building on many years of market knowledge and a vast portfolio of successful projects, Lattuada continues to invest in development, research and training. With continually updated internal and external feedback, it strives to offer more quality, more solutions, more technology.

ADDING +VALUE

A SYNERGY OF VALUES CALLEDA COMPANY

Quality and personalisation

Are the hallmark of Lattuada's design. Attention to every detail is pursued within a customised production process, with care and attention.

Flexibility and assistance

Maximum willingness to listen and develop the client's requests. Guarantee of follow-up and further customisation throughout the machine life cycle.

History and experience

Since 1978, day after day, milestone after milestone, Lattuada has continued to grow in its problem-solving capacity and in guaranteeing progressive know-how to all its customers.

Internationality and italianity

Made in Italy represents worldwide excellence in the glass sector. The sense of belonging coexists with the pride of constantly interacting with an international audience.

Innovation and substance

Proposing new solutions is part of Lattuada's DNA. Simplification, training and constant support are the pluses offered to combine technology and user-friendliness.

Eco-Sustainability and territory

Starting from the Italian headquarters, concrete actions for the environment have been undertaken for years. Likewise, Lattuada's solutions will be increasingly "green".

AS BIG AS THE WORLD.

OUR SOLUTIONS ARE WORKING ALL OVER THE WORLD. SINCE 2017 WE OPERATE IN THE USA THROUGH LATTUADA NORTH AMERICA BASED IN NORTHWOOD (OHIO).
A PRECISE CORPORATE CHOICE TO STAY CLOSE TO OUR CUSTOMERS BY OFFERING TOP QUALITY SERVICES AND PRODUCTS SPECIFICALLY DESIGNED FOR A DEMANDING AND COMPETITIVE MARKET THAT REQUIRES COMPLIANCE TO SPECIFIC STANDARDS.

100+
Countries where Lattuada machines are installed

90+
Countries where we are present

40+
Agents worldwide

LATTUADA NORTH AMERICA

NORTHWOOD (OH) A PRECISE CORPORATE CHOICE TO STAY CLOSE TO OUR CUSTOMERS

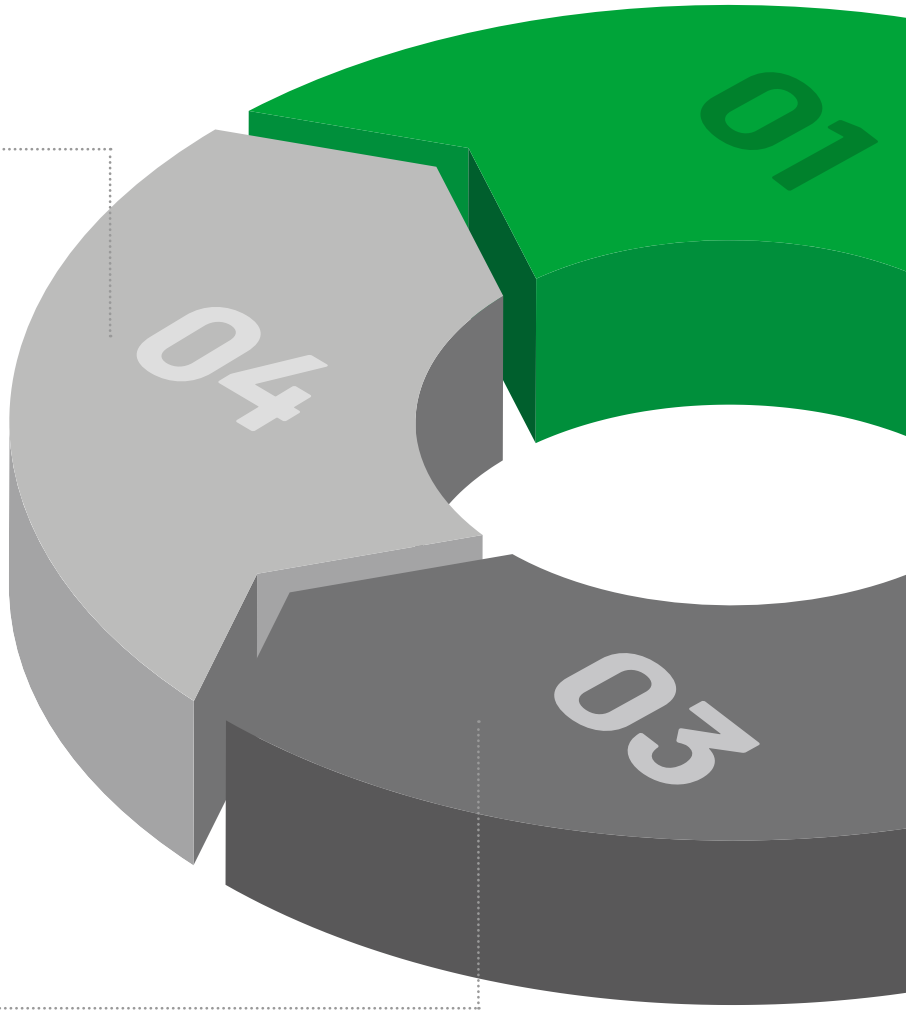
LNA provides all pre- and after-sale services directly from the United States, including a qualified and highly professional technical support service with longstanding experience in the glass-working machine industry.

This new company allows us to offer endless benefits to all our US customers:
- no more problems related to transportation issues;
- machinery are invoiced directly from the United States, eliminating the currency problem;
- specific services for the US market;
- technical support always available with no more time zone issues;
- spare parts are supplied directly from LATTUADA NORTH AMERICA.

integrAL

ADDING VALUES FOR INTEGRAL SOLUTIONS

INTEGRAL IS LATTUADA'S COMBINATION OF PRODUCTS, SERVICES AND TECHNOLOGY TO OFFER A SINGLE, CENTRALISED MANAGEMENT IN GLASS AND STONE PROCESSING.



SPECIAL MACHINES SOLUTIONS

Do you have any special needs?
Out-of-standard processes?
Do you treat composite materials?
That's not a problem.
We can find the most suitable solution for you and customise our machines to ensure you get the flexibility you need.

STONE SOLUTIONS

Lattuada's many years of know-how transferred to natural stone, ceramic and composite material processing: PETRA, vertical edge polisher - Works with precision and quality on all types of edges, and, thanks to its natural versatility, is perfect for Stone Professionals production facilities.

GLASS SOLUTIONS

Customisation, precision, versatility:
all of Lattuada glass processing lines
ensure excellent performance
and high productivity, integrating perfectly
into company realities.
A combination of experience and innovation
to meet any kind of challenge.

> Grinding

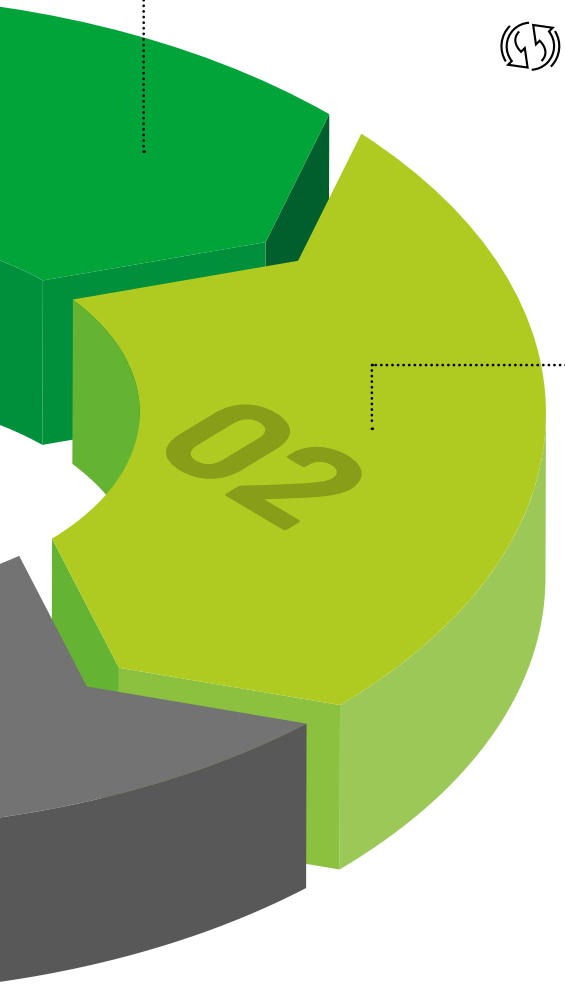
Our strength, always. A variety of solutions taking the shape of a wide range of machines: more than 40 models that can be specifically configured to ensure maximum productivity.

> Washing

For more than 15 years we have been studying and providing solutions for glass washing. We offer a full range of high-tech, vertical washing machines that are easy to use and maintain.

> Complementary processing

Do you need to drill or process corners? We can provide a complete range of horizontal drilling machines and automatic radius and straight corners grinding machines.



AUTOMATION SOLUTIONS

Robotics, A-WR & i-AL Systems,
Augmented Reality and IoT:
a beating heart of innovation
and technology revolutionising glass
and stone processing.
Lattuada Automation Solutions bring
companies into the world of Industry 4.0,
by making every machine a concentrate
of precision, productivity and automation.

> "Made in Lattuada integrated solutions, to meet all your needs"

ROBOTIC SOLUTIONS

LATTUADA-KNITTEL ROBOTIC SOLUTIONS +ADDED VALUES

01 CUSTOMISABLE SUCTION CUPS
vacuum with Venturi system
OPTION: energy-efficient vacuum smart modules with NFC technology (*)

02 HIGH FLEXIBILITY
side by side processing of glasses of different sizes with minimum distance between them

03 AUTOMATIC MEASUREMENT OF GLASS
pre-setting glass size is not required

04 EASE OF USE
straight-line edging machines with standard maintenance

05 AUTOMATIC SPEED ADJUSTMENT
depending on the sizes of the glass

06 LOWER COSTS
only one operator is required

07 INCREASED PRODUCTIVITY / PERFORMANCE
thanks to the high speed of this system

08 FULLY AUTOMATION OF MACHINES
reducing the need to access to the area, safety and productivity increase (possibility of remote control)

09 POSSIBILITY OF INTEGRATION EXPANSION / MODULARITY
with other machines

10 CONTINUITÀ GARANTITA
thanks to low maintenance required by Lattuada/Knittel machines (possibility of video monitoring and remote assistance, including via Whatsapp)

11 SAFETY
plausibility check of loaded pieces.
Special sensors able to read all types of glasses
Measurement and compensation of unloading position (glasses loaded on rack without “ZERO” position)

ENERGY EFFICIENCY:

(*) OPTIONAL:

ENERGY EFFICIENT

ENERGY EFFICIENT VACUUM SMART MODULES WITH NFC TECHNOLOGY

OPTIMIZED ROUTE AND PATH PLANNING

TASK OPTIMIZED ROBOT SIZING

EFFICIENT CELL PLANNING

OPTIMIZED GEARBOXES AND HIGH EFFICIENCY MOTORS

AUTOMATIC MACHINES

A-WR SYSTEM

Introduces a completely
automatic wheels setting management.

01. Automatic pre-setting "ZERO" procedure of diamond and resin wheels, without glass in less than one minute

02. Automatic recover of the polishing wheels' wear, automatic tool increment based on predetermined parameters

03. Automatic positioning for the wheel's replacement

04. Jog increase/decrease of the spindle position (accuracy 0.01 mm)

05. Automatic positioning on setpoint

06. Automatic backlash recovery

07. Automatic spindle cleaning procedure

08. Wheels wear warning

09. Spindle's problems warning

10. Manual unlocking for any situation

11. Motorized adjustable inlet conveyor

12. Digital ammeters and automatic alert system for the polishing wheels wear

13. Automatic detecting and compensating procedure of the inlet conveyor belt wear

14. Inlet conveyor alignment control procedure

15. Automatic adjustment of processing parameters according to glass thickness

16. Precision resin tool absorption detection system (for remote control) and independent rotation speed adjustment

OPTIONAL: thickness control sensor or automatic thickness detection and positioning sensor

i-AL

A comprehensive pack of mechanical, electronic and software systems especially designed to deliver the maximum possible automation in glass processing and a full integration with your entire production system.

i-AL PACK INCLUDES:

01. Digital ammeters displayed on the touch-screen panel

02. Motorized glass removal setting with portable push-button panel

03. Automatic management of all processing parameters

04. Proportional valves for pressure regulation of the polishing spindles

05. Glass length measurement

OPTIONAL: thickness control sensor or automatic thickness detection and positioning sensor

GRINDING
SOLUTIONS

STRAIGHT-LINE
EDGING MACHINES

AL M SERIES
TL SERIES
TLR SERIES
TLS SERIES

STRAIGHT-LINE
BEVELLING MACHINES

GAMMA SERIES

THE WIDEST LINE AVAILABLE IN THE MARKET

GRINDING SOLUTIONS

> STRAIGHT-LINE EDGING MACHINES
> STRAIGHT-LINE BEVELLING MACHINES

As our core-business since our foundation, the Lattuada's offering includes more than 40 models of **straight-line edging machines**, **double-edgers** - which come in several different configurations - **and straight-line bevelling machines** suitable to meet any production need.

performing

high loading capacity, jumbo thicknesses

Our machines can carry sheets weighing up to 1,500 Kg and machine thicknesses measuring up to 100 mm.

productive

smart technology

Automation is an ever-important factor: combining the need for providing high-quality products, without jeopardising flexibility while increasing productivity and cutting costs all at once.

reliable

low maintenance required

We commit towards achieving excellence by making precise choices: saying no to makeshift solutions. We have set up an internal and external supply chain that ensures the highest standards of reliability.

flexible

customised configurations

Our machines are custom-made, to give you more. Consisting of an excellent base structure, they can be configured to meet your needs.

smart

simplicity of use

Easily accessible sophisticated technology: this is our approach when it comes to building machines.

excellent

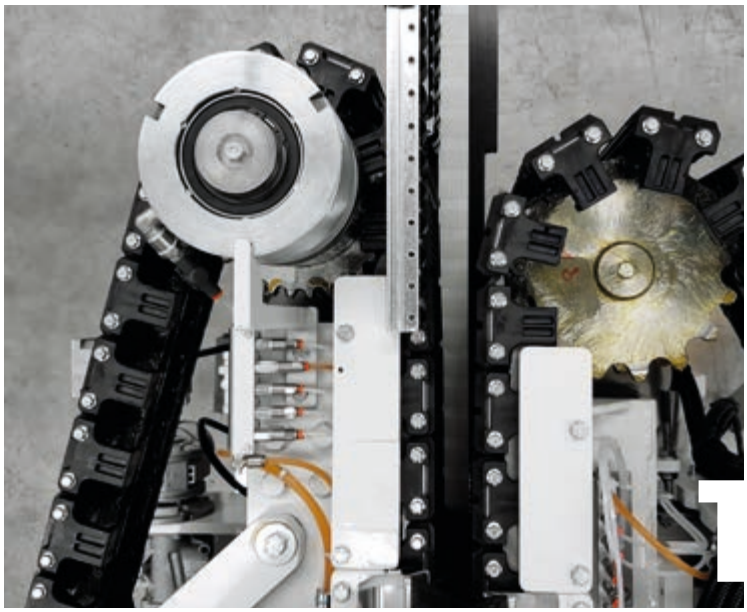
top performance

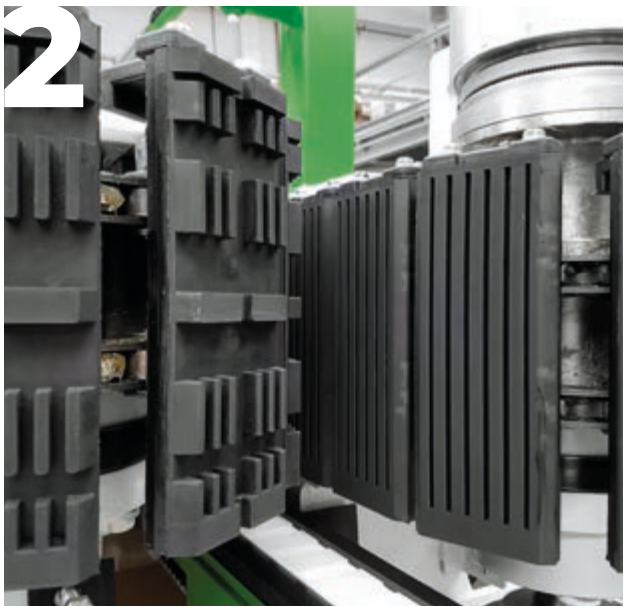
Thanks to our know-how developed and perfected in 40 years of research and activity in grinding, we - at Lattuada - design and manufacture machines that guarantee maximum processing end quality.

STRAIGHT-LINE EDGING MACHINES

TECHNICAL DETAILS

Our strength, ever.
A variety of solutions that take the form of a wide range of machines: **more than 40 models that can be specifically configured to ensure maximum productivity**.





1 - 2 **Conveyor** with support **pads**.

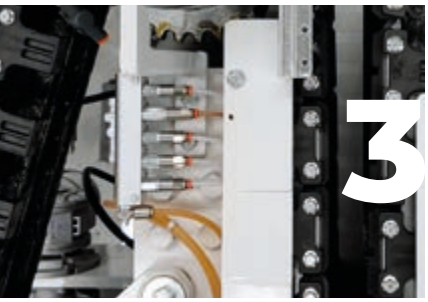
3 - 4 Automatic **lubrication system**.

5 - 6 **Lattuada spindles**: a unique solution for the motion transmission.

7 - 8 **Copper pipes for cooling the wheels** and the internal of the spindle tank.

9 - 10 **Electrical system** with supreme quality components, compliant with the **UL/CSA standards** too. **IE3 high efficiency motors**.

11 **Digital ammeters** with an automatic polishing wheels wear detection system.



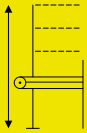
AL M SERIES

RECOMMENDED EVEN FOR LARGE-SCALE PRODUCTION OF MEDIUM THICKNESS SHEETS

Having been conceived and manufactured using some of the technological solutions adopted for the larger series of edging machines, such as the assembly of the same spindles, AL M edging machines can handle high production levels.
These details contribute towards increasing their useful life, while simultaneously reducing the required maintenance.

3 - 20/25 mm
1/8 - 3/4 /1 "

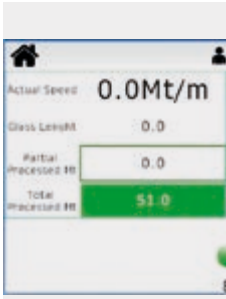
2000 mm
78.7 "



2400 - 3000 mm
94.5 - 118.1 "

400 Kg - 200 Kg/m
881 lbs - 11.2 lbs/ "

700 Kg
1,543 lbs

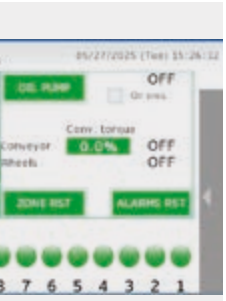


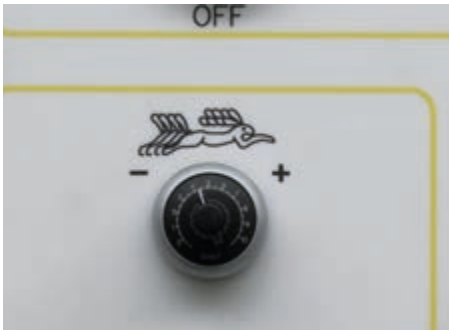
AL M SERIES

Electronic straight-line edging machines
for processing the **flat edge with arris**

AL T SERIES

Peripheral straight-line edging machines for processing
the **pencil edge**, **OG or flat edge with arris**





AL M SERIES

Electronic straight-line edging machines for processing the **flat edge with arris**

			min		Kw.		max	max
AL 6 M	**eu**	0,5 - 4 m/min	H60 mm opt. H35 mm	3 - 20 mm	12,5	5.755x1.450 xH2.400 mm	400 Kg - 200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 " opt. H1.4 "	1/8 - 3/4 "		226.5x57 xH94.5 "	881 lbs - 11.2 lbs/"	1,543 lbs
						6 5 4 3	2 1	

AL 7 M	**eu**	0,5 - 4 m/min	H60 mm opt. H35 mm	3 - 25 mm	15	6.285x1.450 xH3.000 mm	400 Kg -200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 " opt. 1.4 "	1/8 - 1 "		247.4x57 xH118.1 "	881 lbs - 11.2 lbs/"	1,543 lbs
						7 6 5 4 3	2 1	

AL 8 M	**eu**	0,5 - 4 m/min	H60 mm opt. H35 mm	3 - 25 mm	15	6.285x1.450 xH3.000 mm	400 Kg -200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 " opt. H1.4 "	1/8 - 1 "		247.4x57 xH118.1 "	881 lbs - 11.2 lbs/"	1,543 lbs
						8 7 6 5 4 3	2 1	

AL 9 M	**eu**	0,5 - 4 m/min	H60 mm opt. H35 mm	3 - 25 mm	17	6.285x1.450 xH3.000 mm	400 Kg -200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 " opt. H1.4 "	1/8 - 1 "		247.4x57 xH118.1 "	881 lbs - 11.2 lbs/"	1,543 lbs
						9 8 7 6 5 4 3	2 1	

LEGEND

speed | minimum glass size | miter inclination | workable glass thickness | installed power | dimensions | max glass load (on the conveyor) | max glass load (total) | dubbing device

AL T SERIES

Peripheral straight-line edging machines for processing the **pencil edge**, **OG or flat edge with arris**

			min		Kw.		max	max
AL 4 T	eu	0,5 - 4 m/min	H60 mm	3 - 20 mm	10	6.285x1.450 xH2.400 mm	400 Kg -200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 "	1/8 - 3/4 "		247.4x57 xH94.5 "	881 lbs - 11.2 lbs/"	1,543 lbs
							4 3 2 1	

AL 6 T	eu	0,5 - 4 m/min	H60 mm	3 - 20 mm	12,5	6.285x1.450 xH2.400 mm	400 Kg -200 Kg/m	700 Kg
	us	20 - 157 "/min	H2.4 "	1/8 - 3/4 "		247.4x57 xH94.5 "	881 lbs - 11.2 lbs/"	1,543 lbs
						6 5 4 3 2 1		

diamond peripheral wheel | peripheral polishing wheel | diamond cup wheel | resin cup wheel | polishing cup wheel | cerium impregnated cup wheel | felt cup wheel | polishing arris wheel | diamond arris wheel | felt arris wheel

TL SERIES

RECOMMENDED FOR LARGE SCALE PRODUCTION OF TEMPERED GLASS AND/OR HIGH-QUALITY FURNISHING GLASS

Thanks to the reinforced guides and higher pads, TL edging machines can bear greater weight as compared to the previous series. This makes them particularly flexible, given that they can process from glass sheets featuring major thicknesses to small glass strips, up to a minimum of 35 mm in height.

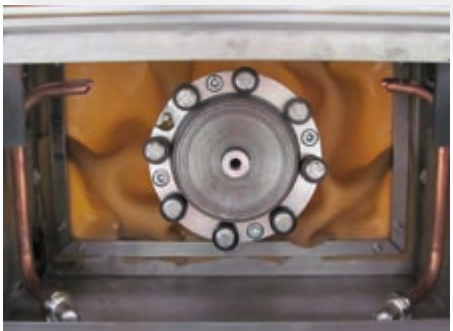
3 - 40 mm 1/8 / 1.5 "	2600 mm 102.4 "	3100 mm 122 "	800 Kg - 250 Kg/m 1,763 lbs - 14 lbs/ "	1.600 Kg 3,527 lbs

TL SERIES

Electronic straight-line edging machines
for processing the **flat edge with arris**

TL AV SERIES

Electronic straight-line edging machine
with **variable angle between 0 and 45°**



TL SERIES

Electronic straight-line edging machines for processing the **flat edge with arris**

			min		Kw.		max	max
TL 10 PC	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 40 mm opt. 3 - 50 mm	20	7.920x1.600 xH3.120 mm	800 Kg - 250 Kg/m	1.600 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 1.5 " opt. 1/8 - 2 "		311x62.2 xH122.8 "	1,763 lbs - 14 lbs/"	3,527 lbs
	3* OPTIONAL				10 9 8 7 6 5 4 3* 2 1			

TL 10 C PC	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 40 mm opt. 3 - 50 mm	21	7.920x1.600 xH3.120 mm	800 Kg - 250 Kg/m	1.600 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 1.5 " opt. 1/8 - 2 "		311x62.2 xH122.8 "	1,763 lbs - 14 lbs/"	3,527 lbs
	3* OPTIONAL				10 9 8 7 6 5 4 3* 2 1			

TL 11 PC	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 40 mm opt. 3 - 50 mm	22	7.920x1.600 xH3.120 mm	800 Kg - 250 Kg/m	1.600 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 1.5 " opt. 1/8 - 2 "		311x62.2 xH122.8 "	1,763 lbs - 14 lbs/"	3,527 lbs
					11 10 9 8 7 6 5 4 3 2 1			

LEGEND

speed | minimum glass size | miter inclination | workable glass thickness | installed power | dimensions | max glass load (on the conveyor) | max glass load (total) | dubbing device

TL AV SERIES

Electronic straight-line edging machine with **variable angle between 0 and 45°**

			min			Kw.		max	max
TL 9 AV PC	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45° opt. 0 - 60°	3 - 40 mm opt. 3 - 50 mm	21	7.920x1.600 xH3.120 mm	800 Kg - 250 Kg/m	1.600 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 1.5 " opt. 1/8 - 2 "		311x62.2 xH122.8 "	1,763 lbs - 14 lbs/"	3,527 lbs
						9 8 7 6		5 4 3 2 1	

TL 10 AV PC	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45° opt. 0 - 60°	3 - 40 mm opt. 3 - 50 mm	23	8.210x1.600 xH3.120 mm	800 Kg - 250 Kg/m	1.600 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 1.5 " opt. 1/8 - 2 "		332.2x62.2 xH122 "	1,763 lbs - 14 lbs/"	3,527 lbs
	3* OPTIONAL					19 9 8 7 6		5 4 3* 2 1	

diamond peripheral wheel | peripheral polishing wheel | diamond cup wheel | resin cup wheel | polishing cup whee | cerium impregnated cup wheel | felt cup wheel | polishing arris wheel | diamond arris wheel | felt arris wheel

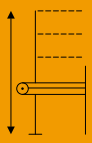
TLR SERIES

THE MOST WIDELY USED BY MAJOR GROUPS OF NORTHERN EUROPE AND USA

Designed for glassmakers handling major volumes of large sheets and high thicknesses for heavy duty construction, or for supreme quality works at high speed.

3 - 50 / 55 mm
1/8 - 2 / 2.2 "

2.600 mm / 3.000 mm
102.3 / 118.1 "



3.100 mm / 3.700 mm
122 / 145.6 "

1.100 Kg - 350 Kg/m
2,425 lbs - 19.6 lbs/ "

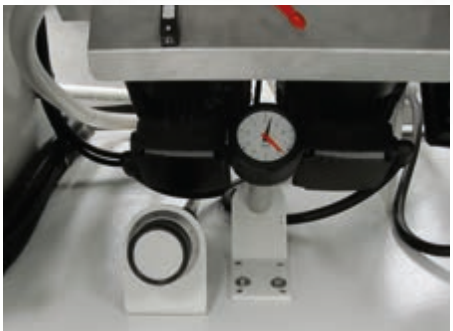
2.000 Kg
4,409 lbs

TLR SERIES

Electronic straight-line edging machines
for processing the **flat edge with arris**

TLR AV SERIES

Electronic straight-line edging machine
with **variable angle between 0 and 45°**



TLR SERIES

Electronic straight-line edging machines for processing the **flat edge with arris**

		speed	min	workable glass thickness	Kw.	dimensions	max glass load (on the conveyor)	max glass load (total)
TLR **11 PC**	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 50 mm	22	8.210x1.1600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2 "		323.2x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

3* OPTIONAL

11 10 9 8 7 6 5 4 3* 2 1

TLR **11 C PC**	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 50 mm	22	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2 "		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

3* OPTIONAL

11 10 9 8 7 6 5 4 3* 2 1

TLR **11 DD PC**	eu	0,3 - 5 m/min*	H60 mm	3 - 50 mm**	22	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min*	H2.4 "	1/8 - 2 "**		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

3* OPTIONAL

* max 3,5 m/min (max 137 "/min) (with dubbing device)
** max 15 mm (max 0.6 ") (with dubbing device)

12 11 10 9 8 7 6 5 4 3* 2 1

TLR **12 C PC**	eu	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 50 mm	23	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2 "		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

12 11 10 9 8 7 6 5 4 3 2 1

TLR **12 DD PC**	eu	0,3 - 5 m/min*	H60 mm	3 - 50 mm**	22	8.970x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min*	H2.4 "	1/8 - 2 "**		353.1x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

* max 3,5 m/min (max 137 "/min) (with dubbing device)
** max 15 mm (max 0.6 ") (with dubbing device)

13 12 11 10 9 8 7 6 5 4 3 2 1

LEGEND

speed · minimum glass size · miter inclination · workable glass thickness · installed power · dimensions · max glass load (on the conveyor) · max glass load (total) · dubbing device

TLR SERIES

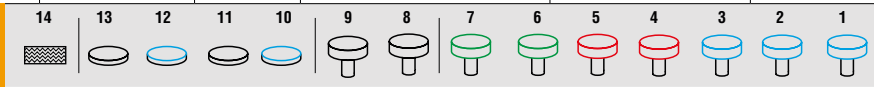
Electronic straight-line edging machines for processing the **flat edge with arris**

			min		Kw.		max	max
TLR 13 PC	**eu**	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 50 mm	28	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2 "		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

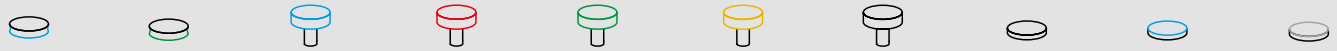
TLR 13 C PC	**eu**	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 55 mm	28	9.590x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2.2 "		377.5x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

TLR 13 C DD PC	**eu**	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 55 mm**	28	10.040x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2.2 "**		395.2x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

* max 3,5 m/min (max 137 "/min) (with dubbing device)
** max 15 mm (max 0.6 ") (with dubbing device)



TLR 14 C PC	**eu**	0,3 - 5 m/min	H60 mm opt. H35 mm	3 - 55 mm	30	9.590x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H2.4 " opt. 1.4 "	1/8 - 2.2 "		377.5x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs



diamond peripheral wheel | peripheral polishing wheel | diamond cup wheel | diamond cup wheel | polishing cup wheel | cerium impregnated cup wheel | felt cup wheel | polishing arris wheel | diamond arris wheel | felt arris wheel

TLR AV SERIES

Electronic straight-line edging machine with **variable angle between 0 and 45°**

			min			Kw.		max	max
TLR **10 AV C PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45° opt. 0 - 60°	3 - 50 mm	23	8.510x1.600 xH3.100 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2 "		335x62.2 xH122 "	2,425 lbs - 19.6 lbs/"	4,409 lbs
							10 9 8 7 6 5 4 3 2 1		
TLR **11 AV PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45° opt. 0 - 60°	3 - 50 mm	23	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2 "		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs
							11 10 9 8 7 6 5 4 3 2 1		
TLR **11 AV C PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45° opt. 0 - 60°	3 - 50 mm	23	8.510x1.600 xH3.120 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2 "		335x62.2 xH122.8 "	2,425 lbs - 19.6 lbs/"	4,409 lbs
							11 10 9 8 7 6 5 4 3 2 1		
TLR **11 AV C DD PC**	eu	0,3 - 5 m/min*	H85 mm	0 - 45°	3-50 mm**	25	8.970x1.600 xH3.100 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min*	H3.3 "		1/8 - 2 "**		353.1x62.2 xH122 "	2,425 lbs - 19.6 lbs/"	4,409 lbs
							12 11 10 9 8 7 6 5 4 3 2 1		

* max 3,5 m/min (max 137 "/min) (with dubbing device)
** max 15 mm (max 0.6 ") (with dubbing device)

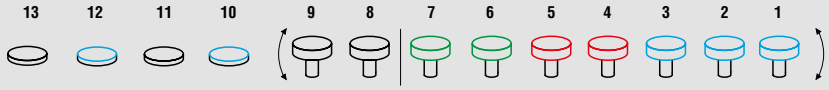
LEGEND

speed · minimum glass size · miter inclination · workable glass thickness · installed power · dimensions · max glass load (on the conveyor) · max glass load (total) · dubbing device

TLR AV SERIES

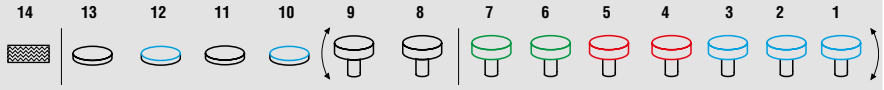
Electronic straight-line edging machine with **variable angle between 0 and 45°**

			min			Kw.		max	max
TLR **13 AV C PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45°	3-55 mm	28	9.590x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2.2 "		377.6x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

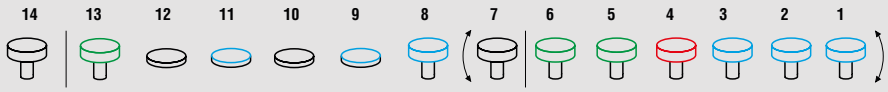


TLR **13 AV C DD PC**	eu	0,3 - 5 m/min*	H85 mm opt. H60 mm	0 - 45°	3 - 55 mm**	30	10.020x1.600 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min*	H3.3 " opt. H2.4 "		1/8 - 2.2 "**		394.5x62.2 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs

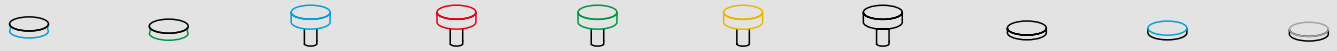
* max 3,5 m/min (max 137 "/min) (with dubbing device)
** max 15 mm (max 0.6 ") (with dubbing device)



TLR **14 AV C PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45°	3 - 55 mm	30	10.040x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2.2 "		377.6x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs



TLR **16 AV C PC**	eu	0,3 - 5 m/min	H85 mm opt. H60 mm	0 - 45°	3 - 55 mm	34	10.390x1.700 xH3.700 mm	1.100 Kg - 350 Kg/m	2.000 Kg
	us	12 - 197 "/min	H3.3 " opt. H2.4 "		1/8 - 2.2 "		409x66.9 xH145.6 "	2,425 lbs - 19.6 lbs/"	4,409 lbs



diamond peripheral wheel | peripheral polishing wheel | diamond cup wheel | diamond cup wheel | polishing cup wheel | cerium impregnated cup wheel | felt cup wheel | polishing arris wheel | diamond arris wheel | felt arris wheel

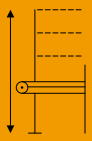
TLS SERIES

THE EVOLUTION OF OUR FAMILY OF TLR EDGING MACHINES

Thanks to some structural changes, mainly due to the application of new pads and reinforced guides, the models of this series are capable of carrying sheets weighing up to 1,500 Kg (on the conveyor) and processing sheets with thickness up to 100 mm.

3 - 60 / 80 /100 mm
1/8 - 2.4 / 3.1 / 3.9 "

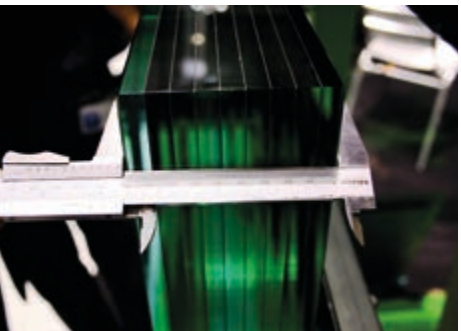
3.000 mm
118.1 "



3.700 mm
145.6 "

1.100 Kg - 350 Kg/m
2,425 lbs - 19.6 lbs/ "

2.200 Kg
4,850 lbs



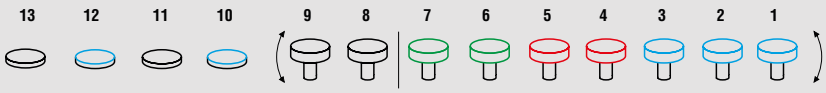
TLS AV SERIES

Electronic straight-line edging machine
with **variable angle between 0 and 45°**

TLS AV SERIES

Electronic straight-line edging machine with **variable angle between 0 and 45°**

				min			Kw.		max	max
TLS **13 AV C PC**	**sp60/80/100**	**eu**	0,3 - 5 m/min	H85 mm	0 - 45°	3 - 60/80/100 mm	28	10.040x1.750 xH3.700 mm	1.100 Kg - 350 Kg/m opt. 1.500 Kg - 350 Kg/m	2.200 Kg
		us	12 - 197 "/min	H3.3 "		1/8 - 2.4/3.1/3.9 "		377.6x68.9 xH145.6 "	2,425 lbs - 19.6 lbs/" opt. 3,307 lbs - 19.6 lbs/"	4,850 lbs



LEGEND

speed | minimum glass size | miter inclination | workable glass thickness | installed power | dimensions | max glass load (on the conveyor) | max glass load (total) | dubbing device

TLS 15 AV C PC				min			Kw.		max	max
sp60/80/100	eu	0,3 - 5 m/min	H85 mm	0 - 45°	3 - 60/80/100 mm	32	10.390x1.750 xH3.700 mm	1.100 Kg - 350 Kg/m opt. 1.500 Kg - 350 Kg/m	2.200 Kg
	us	12 - 197 "/min	H3.3 "		1/8 - 2.4/3.1/3.9 "		409x68.9 xH145.6 "	2,425 lbs - 19.6 lbs/" opt. 3,307 lbs - 19.6 lbs/"	4,850 lbs

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

diamond peripheral wheel | peripheral polishing wheel | diamond cup wheel | diamond cup wheel | polishing cup wheel | cerium impregnated cup wheel | felt cup wheel | polishing arris wheel | diamond arris wheel | felt arris wheel | cerium impregnated wheel

ACCESSORIES

STRAIGHT-LINE EDGING MACHINES

The washing machine applied to the edging machines and bevelling machines outlet conveyor allows the complete cleaning and drying of the processed edges of the glass sheets.

		min		Kw.		
OT 300	eu	300x300 mm	the same of the machine on which it is fitted on	2 *	550x600 xH770 mm	2
	us	11.8x11.8 "			21.6x23.6 xH30.3 "	

***standard** (t may change according to the included options)

PAR-AL: device for processing **parallelogram-shaped glasses**.

LOOK AT THE DEVICE AT WORK

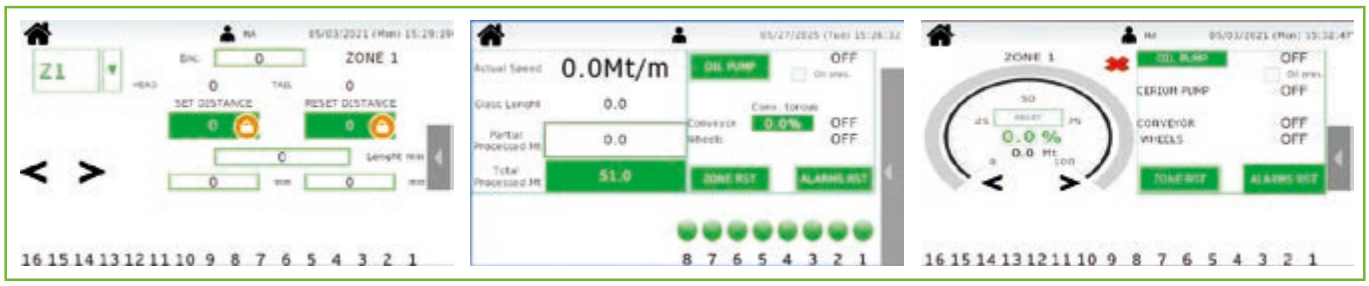
PANEL

TOUCH SCREEN OPERATOR

The **only one in the market** capable of guaranteeing constant monitoring of the various functions of the machine through different control methods.

BASIC 4 "

Machine's data and maintenance information panel



ADVANCED 10 "

Panel for the control and management of all work steps

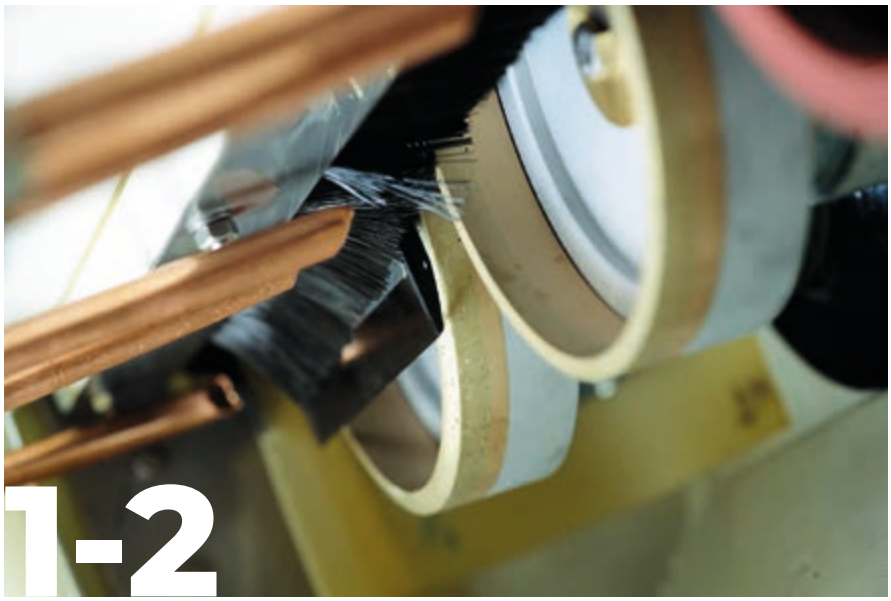
ADVANCED 12 "

Panel for the control and management of all work steps for automatic machines (with A-WR and i-AL packages)

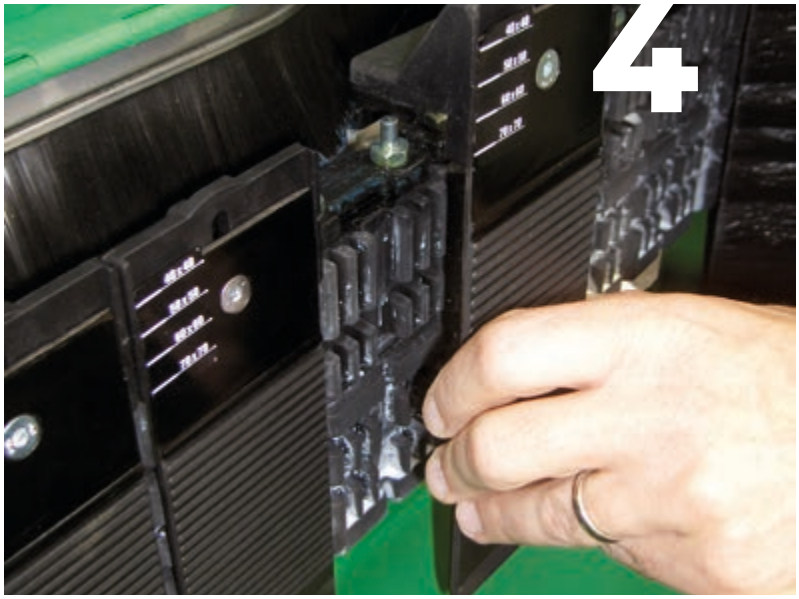
STRAIGHT-LINE BEVELLING MACHINES

TECHNICAL DETAILS

Bevelling has always considered the **most complex edging operation**.
This is why Lattuada manufactures very precise and accurate bevelling machines, renowned for their reliability, low maintenance and duration over time.



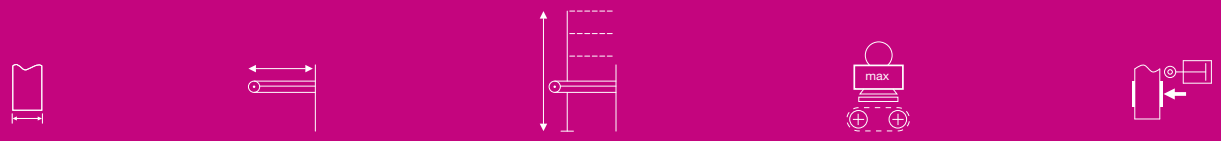
1 **Numerous wheel configurations** available, even customised.
2 **Quick and simple** wheel change.
3 Managing all work steps through a **touch screen operator panel**.
4 **Small piece processing** system.
5 OT 300 **washing machine**.
6 Motor absorption **digital ammeters**.
7 Pads washing **rotary brush**.
8 **Automatic** lubrication.
9 Variation of the conveyor speed by **means of the inverter**.
10 Version with 4 felts: **high processing speed and quality**!



GAMMA SERIES

THE WIDEST RANGE CURRENTLY AVAILABLE IN THE MARKET, IT OFFERS TECHNICAL SOLUTIONS CAPABLE OF MEETING ANY PRODUCTION NEED

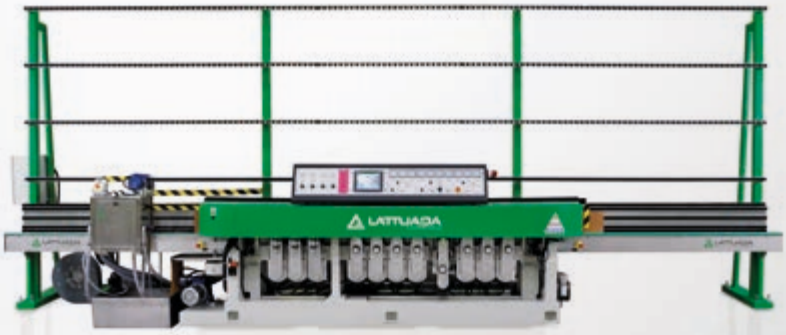
GAMMA 8, which combines the versatility of a small machine with the capacity of processing on sizeable productions, even thanks to the three felts it is provided with, we go all the way to the “elder sisters”: recommended for glassmakers in need of machines capable of operating at high speeds and with utmost quality level.

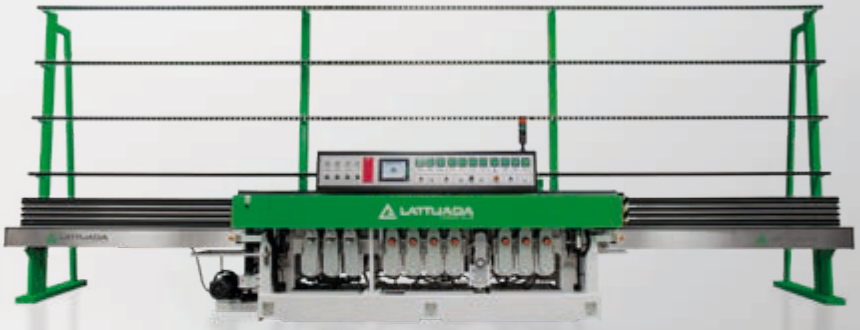


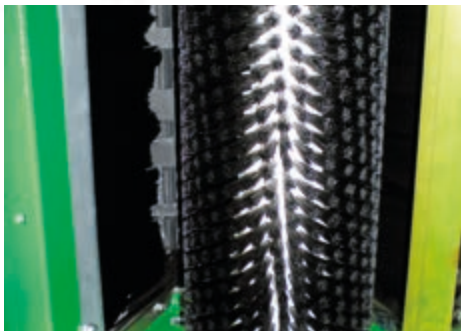
3 - 20 / 25 mm 1/8 - 3/4 / 1 "	2.000 / 2.600 mm 78.7 / 102.3 "	2.450 / 3.100 mm 96.5 / 122 "	500 Kg - 150 Kg/m 1,102 lbs - 8.4 lbs/ "	mechanical

GAMMA SERIES

Straight-line bevelling machines
for processing **the bevel** and **flat edge with arris**,
using **liquid cerium oxide**







GAMMA SERIES

Straight-line bevelling machines for processing the **polished bevel using liquid cerium oxide**

				STANDARD	OPTIONAL			Kw.		
GAMMA 8 PC	eu	0,5 - 4 m/min	110x110 mm opt. 40x40 mm	3 - 45°	3 - 25°	40 mm	3 - 20 mm	18	6.510x1.350 xH2.450 mm	500 Kg - 150 Kg/m
	us	20 - 157 "/min	4.3x4.3 " opt. 1.6x1.6 "			1.6 "	1/8 - 3/4 "		256.2x53.1 xH96.5 "	1,102 lbs - 8.4 lbs/"
	3* OPTIONAL						8 7 6 5 4 3* 2 1			
GAMMA 613 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	3 - 25°	50 mm	3 - 25 mm	23	8.420x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "			2 "	1/8 - 1 "		331.4x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
	4* OPTIONAL						10 9 8 7 6 5 4* 3 2 1			
GAMMA 614 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	3 - 25°	50 mm	3 - 25 mm	26	8.420x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "			2 "	1/8 - 1 "		331.4x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
	4* OPTIONAL						11 10 9 8 7 6 5 4* 3 2 1			
GAMMA 713 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	3 - 25°	50 mm	3 - 25 mm	26	8.420x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "			2 "	1/8 - 1 "		331.4x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
	4* OPTIONAL						11 10 9 8 7 6 5 4* 3 2 1			

Straight-line bevelling machines for processing **the bevel and pencil edge**, **using liquid cerium oxide**

GAMMA 633 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	3 - 25°	50 mm	3 - 25 mm	27	8.880x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "			2 "	1/8 - 1 "		349.6x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
	7* OPTIONAL						12 11 10 9 8 7* 6 5 4 3 2 1			

Straight-line bevelling machines for processing **the bevel and flat edge with arris, using liquid cerium oxide**

GAMMA 643 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	50 mm	3 - 25 mm	32	8.880x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "		2 "	1/8 - 1 "		349.6x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
					13 12 11 10 9 8 7 6 5 4 3 2 1				
GAMMA 723 PC	eu	0,3 - 5 m/min	110x110 mm opt. 40x40 mm	3 - 45°	50 mm	3 - 25 mm	32	8.880x1.600 xH3.100 mm	500 Kg - 150 Kg/m
	us	12 - 197 "/min	4.3x4.3 " opt. 1.6x1.6 "		2 "	1/8 - 1 "		349.6x62.2 xH123.2 "	1,102 lbs - 8.4 lbs/"
	OPTIONAL 4* 12*				12* 11 10 9 8 7 6 5 4* 3 2 1				

LEGEND

speed · minimum glass size · bevel inclination · max bevel width · workable glass thickness · installed power · dimensions · max glass load (on the conveyor)

ACCESSORIES

STRAIGHT-LINE BEVELLING MACHINES

The washing machine applied to the edging machines and bevelling machines outlet conveyor allows the complete cleaning and drying of the processed edges of the glass sheets.

		min		Kw.		
OT 300	eu	300x300 mm	the same of the machine on which it is fitted on	2 *	550x600xH770 mm	2
	us	11.8x11.8 "			21.6x23.6xH30.3 "	

*standard (it may change according to the included options)

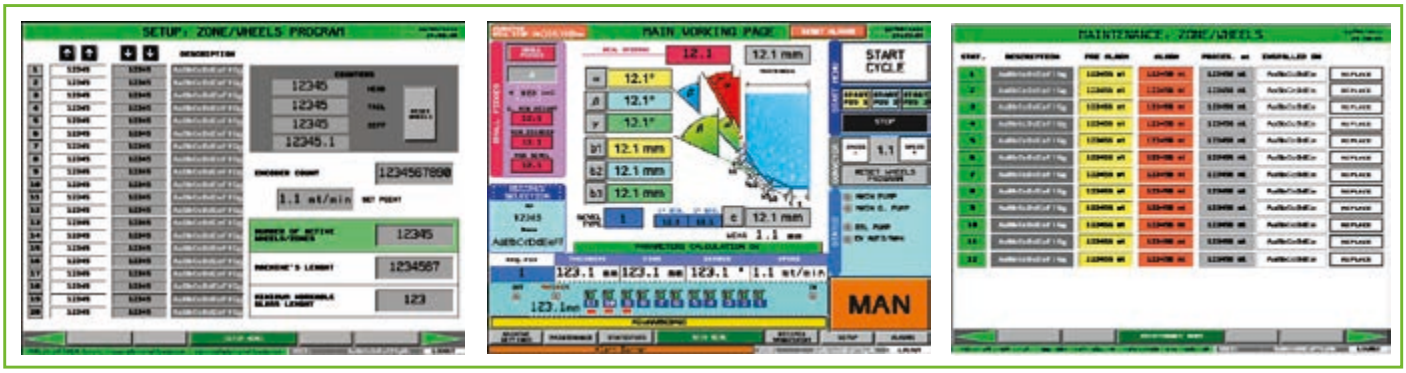
PANEL

TOUCH SCREEN OPERATOR

The **only one in the market** capable of guaranteeing constant monitoring of the various functions of the machine through different control methods.

ADVANCED 10.4 "

Panel for the control and management of all work steps



diamond cup wheel | peripheral polishing wheel | diamond cup wheel | resin cup wheel | polishing cup wheel | felt cup wheel | polishing arris wheel

WASHING
SOLUTIONS

VERTICAL WASHING MACHINES

OT SERIES

CT SERIES

CTS SERIES

WASHING AND DRYING GLASS SHEETS

WASHING SOLUTIONS

Lattuada washing machines can be integrated with different machines, such as vertical grinding, drilling and milling lines as well as CNC machines.
They differ in terms of the useful washing height, number of brushes and total loadable weights. The machine body and all parts exposed to contact with water are made of stainless steel or stainless material.

performing

high washing and drying capacity

Lattuada design criteria increasingly focused on each and every need as well as construction and structural robustness offer high washing and drying quality washing machines, even at high speeds and on any type of glass.

productive

smart technology

Suitable for high production loads, our washing machines can run 24/7 non-stop.

reliable

little maintenance required

All points requiring maintenance are easily accessible and the maintenance operations to be carried out are simple and quick to perform.

flexible

customised configurations

All Lattuada washing machine models are highly customisable and can be integrated with different machines, such as vertical grinding, drilling and milling lines as well as CNC machines.

smart

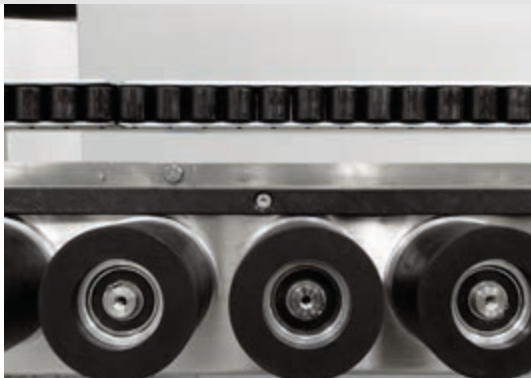
simplicity of use

Easily accessible sophisticated technology; this is our approach when it comes to building machines.

excellent

top performance

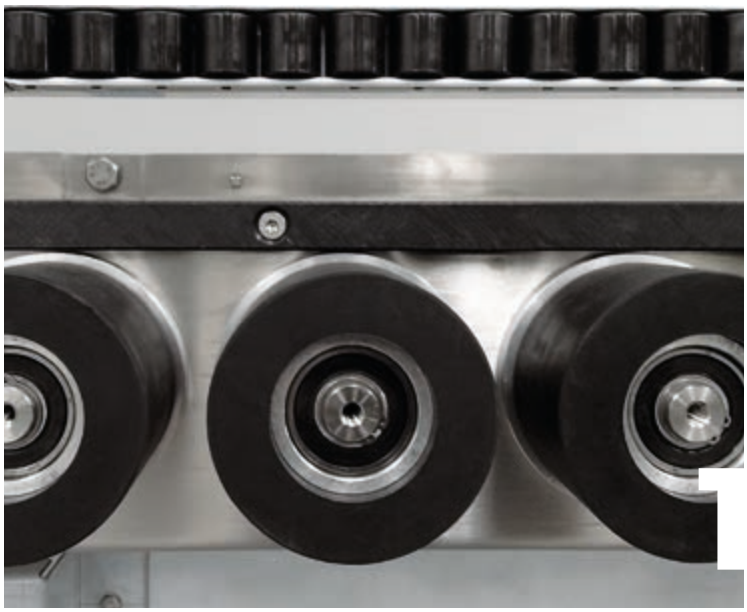
Thanks to our know-how developed and perfected in 40 years, we - at Lattuada - design and manufacture machines that offer utmost washing and drying final quality.

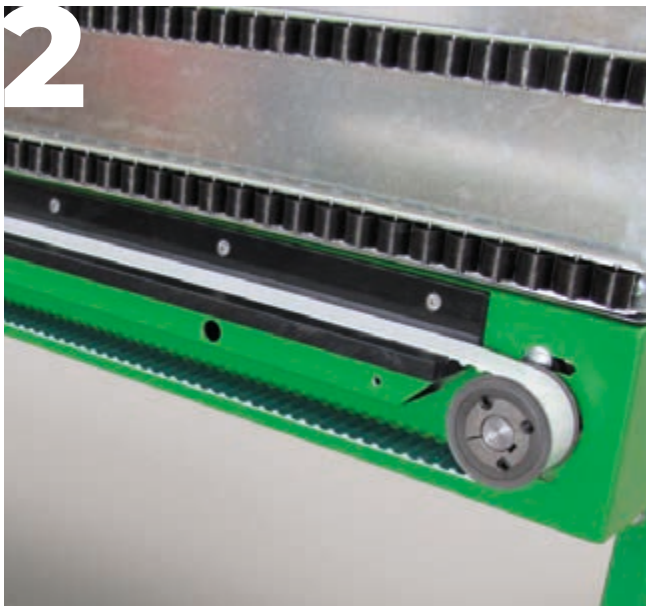


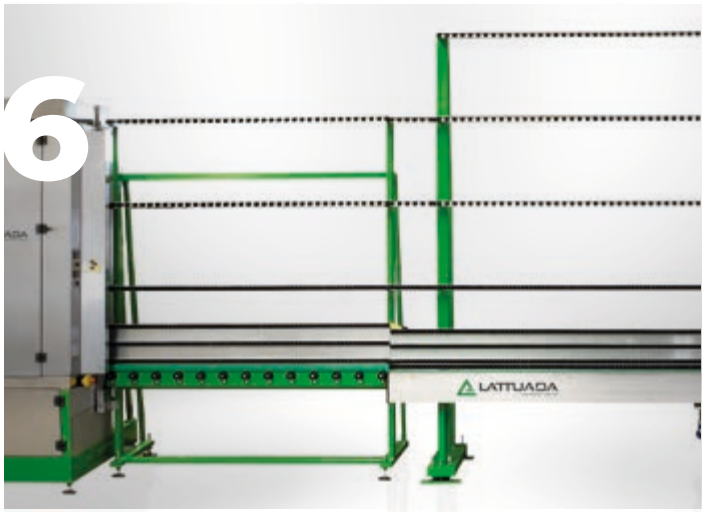
VERTICAL WASHING MACHINES

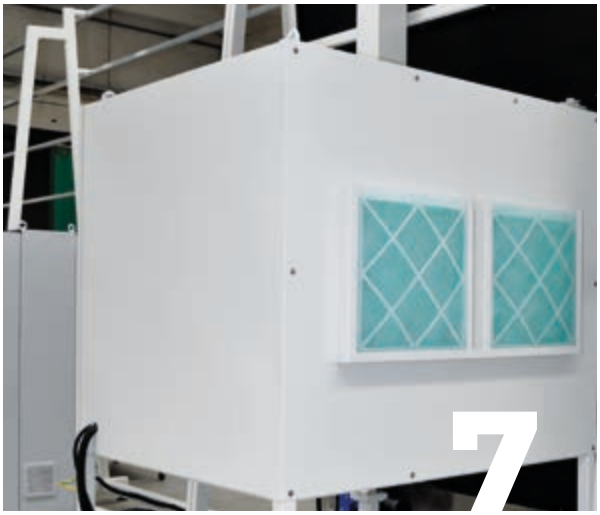
TECHNICAL DETAILS

Attention to details generates supreme quality products. Highly reliable state-of-the-art machines, in terms of precision, are our company's strong points.

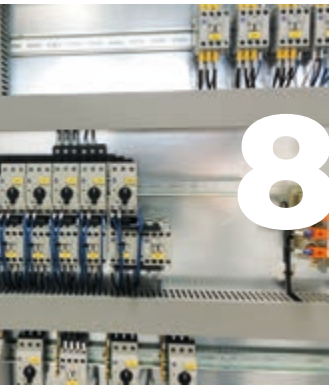








1 **Rollers for glass sheets** transport (special version for heavy loads).
2 Conveyors with belts **for washing shaped glasses**.
3 Brushes available for **Low-E glass** too.
4 Glass **anti-chute sensor and pedal**.
5 **Brush motors** positioned at the top part of the washing machine.
6 Option to **position in line** with our edging and bevelling machines.
7 Soundproofed **high-pressure fan**.
8 **Components certified** in compliance with the UL-CSA standards.
9 **Hot water** for pre-washing, first washing or rinsing section.
10 Black panel with **inspection lights**.
11 High **soundproof** level.



OT SERIES

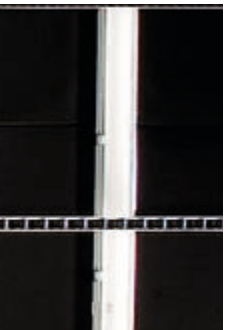
OPEN TOP VERTICAL WASHING MACHINES

When stored, glasses are usually exposed to the risk of being scratched due to the dirt that deposits on them during processing.
This problem can be solved by using an OT series washing machine, designed for washing and drying sheets, and which can be integrated with different machines, such as vertical grinding, drilling and milling lines as well as CNC machines.

3 - 15 / 20 / 25 mm 1/8 - 0.6 / 3/4 / 1 "	350xH100 mm 13.8xH3.9 "	200 / 300 / 500 kg 441 / 661 / 1,102 lbs	2 / 4 / 6

OT 1600 | OT 2000 SERIES

Open top vertical
washing machines



Open top vertical washing machines

		speed	min	max	workable glass thickness	Kw.	dimensions	max	brushes
OT 1600/200/2S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 15 mm opt. 3 - 19 mm	7**	5.970x2.000 xH2.520 mm	200 Kg	2
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 0.6 " opt. 1/8 - 0.7 "		235x78.7 xH99.2 "	441 lbs	
OT 1600/200/4S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 15 mm opt. 3 - 19 mm	7**	6.240x2.000 xH2.520 mm	200 Kg	4
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 0.6 " opt. 1/8 - 0.7 "		245.6x78.7 xH99.2 "	441 lbs	
OT 1600/300/4S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 20 mm opt. 3 - 30 mm	9**	6.240x2.000 xH2.520 mm	300 Kg	4
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 3/4 " opt. 1/8 - 1.2 "		245.6x78.7 xH99.2 "	661 lbs	
OT 1600/300/6S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 20 mm opt. 3 - 30 mm	9**	6.720x2.000 xH2.520 mm	300 Kg	6
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 3/4 " opt. 1/8 - 1.2 "		264.5x78.7 xH99.2 "	661 lbs	
OT 1600/500/4S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 25 mm opt. 3 - 40 mm	9**	6.710x2.000 xH2.520 mm	500 Kg	4
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 1 " opt. 1/8 - 1.6 "		264.1x78.7 xH99.2 "	1,102 lbs	
OT 1600/500/6S	eu	0,5 - 5 m/min	350xH100 mm*	1.600 mm	3 - 25 mm opt. 3 - 40 mm	9**	7.210x2.200 xH2.520 mm	500 Kg	6
	us	19.7 - 197 "/min	13.8xH3.9 "*	63 "	1/8 - 1 " opt. 1/8 - 1.6 "		283.8x86.6 xH99.2 "	1,102 lbs	

LEGEND

speed · minimum glass size · maximum glass size · workable glass thickness · installed power · dimensions · max glass load (on the conveyor) · brushes

Open top vertical washing machines

			min	max		Kw.		max	
OT 2000/300/4s	**eu**	0,5 - 5 m/min	350xH100 mm*	2.000 mm	3 - 20 mm opt. 3 - 30 mm	9**	6.240x2.000 xH2.920 mm	300 Kg	4
	us	19.7 - 197 "/min	13.8xH3.9 "*	78.7 "	1/8 - 3/4 " opt. 1/8 - 1.2 "		245.6x78.7 xH114.9 "	661 lbs	
OT 2000/300/6s	**eu**	0,5 - 5 m/min	350xH100 mm*	2.000 mm	3 - 20 mm opt. 3 - 30 mm	9**	6.720x2.000 xH2.920 mm	300 Kg	6
	us	19.7 - 197 "/min	13.8xH3.9 "*	78.7 "	1/8 - 3/4 " opt. 1/8 - 1.2 "		264.5x78.7 xH114.9 "	661 lbs	
OT 2000/500/4s	**eu**	0,5 - 5 m/min	350xH100 mm*	2.000 mm	3 - 25 mm opt. 3 - 40 mm	14**	6.720x2.000 xH2.920 mm	500 Kg	4
	us	19.7 - 197 "/min	13.8xH3.9 "*	78.7 "	1/8 - 1 " opt. 1/8 - 1.6 "		264.5x78.7 xH114.9 "	1,102 lbs	
OT 2000/500/6s	**eu**	0,5 - 5 m/min	350xH100 mm*	2.000 mm	3 - 25 mm opt. 3 - 40 mm	14**	7.210x2.200 xH2.920 mm	500 Kg	6
	us	19.7 - 197 "/min	13.8xH3.9 "*	78.7 "	1/8 - 1 " opt. 1/8 - 1.6 "		283.8x86.6 xH114.9 "	1,102 lbs	

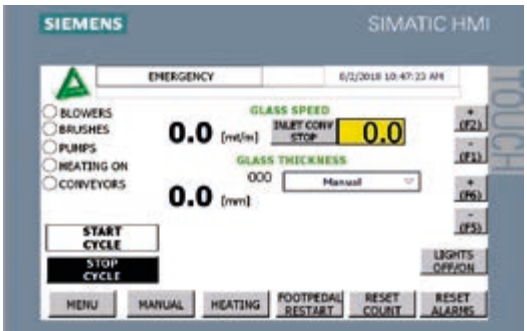
* others on request
** standard (may vary depending on options potentially included)

CT SERIES

VERTICAL WASHING MACHINES CLOSED ON TOP

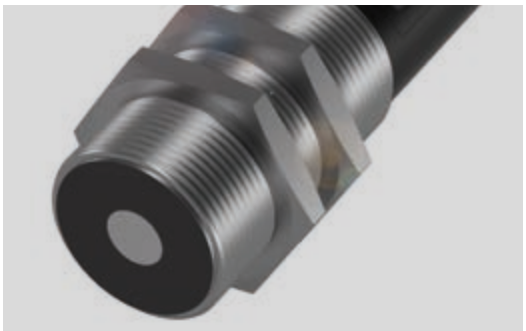
When stored, glasses are usually exposed to the risk of being scratched due to the dirt that deposits on them during processing.
This problem can be solved by using a CT series washing machine, designed for washing and drying sheets, and which can be integrated with different machines, such as vertical grinding, drilling and milling lines as well as CNC machines.

3 - 25 mm 1/8 - 1 "	400xH100 15.7x3.9 "	500 kg 1,102 lbs	4 / 6



CT 2600 | CT 3300 SERIES

Vertical washing machines
closed on top



Vertical washing machines
closed on top

			min	max		Kw.		max	
CT 2600/500/4S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 25 mm opt. 3 - 40 mm	19**	7.950x2.570 xH3.590 mm	500 Kg opt. 800 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 1 " opt. 1/8 - 1.6 "		321.9x101.1 xH141.3 "	1,102 lbs opt. 1,764 lbs	

CT 2600/500/6S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 25 mm opt. 3 - 40 mm	23**	8.670x2.570 xH3.590 mm	500 Kg opt. 800 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 1 " opt. 1/8 - 1.6 "		341.3x101.1 xH141.3 "	1,102 lbs opt. 1,764 lbs	

LEGEND

speed | minimum glass size | maximum glass size | workable glass thickness | installed power | dimensions | max glass load (on the conveyor) | brushes

Vertical washing machines
closed on top

			min	max		Kw.		max	
CT 3300/500/4S	**eu**	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 25 mm opt. 3 - 40 mm	23**	9.440x2.570 xH4.290 mm	500 Kg opt. 800 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 1 " opt. 1/8 - 1.6 "		371.6x101.1 xH168.8 "	1,102 lbs opt. 1,764 lbs	

CT 3300/500/6S	**eu**	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 25 mm opt. 3 - 40 mm	23**	10.160x2.570 xH4.290 mm	500 Kg opt. 800 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 1 " opt. 1/8 - 1.6 "		400x101.1 xH168.8 "	1,102 lbs opt. 1,764 lbs	

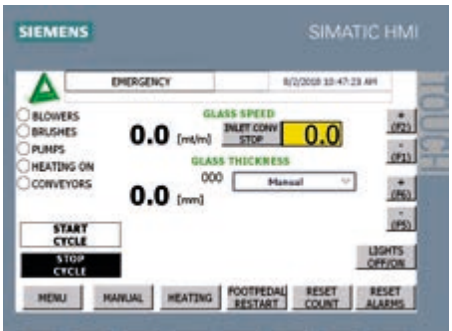
* others on request
** standard (may vary depending on options potentially included)

CTS SERIES

VERTICAL WASHING MACHINES CLOSED ON TOP

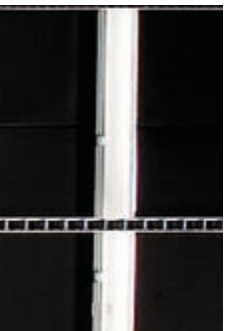
The Lattuada CTS series models are washing machines designed for glassmakers handling **major volumes of large sheets and high thicknesses**.

3 - 60/80 mm 1/8 - 2.3/3.1 "	400xH100 15.7x3.9 "	800/1.500 kg 1,764/3,306 lbs	4/6



CTS 2600 | CTS 3300 SERIES

Vertical washing machines
closed on top



CTS 2600 SERIES

Vertical washing machines **closed on top**

			min	max		Kw.		max	
CTS 2600 800/4S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 60 mm	23**	7.950x2.570 xH3.590 mm	800 Kg opt. 1.000 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 2.3 "		321.9x101.1 xH141.3 "	1,764 lbs opt. 2,204 lbs	
CTS 2600 800/6S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 60 mm	23**	8.670x2.570 xH3.590 mm	800 Kg opt. 1.000 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 2.3 "		341.3x101.1 xH141.3 "	1,764 lbs opt. 2,204 lbs	
CTS 2600 1500/4S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 80 mm	23**	8.780x2.585 xH3.590 mm	1.500 Kg opt. 2.000 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 3.1 "		345.6x101.7 xH141.3 "	3,306 lbs opt. 4,409 lbs	
CTS 2600 1500/6S	eu	0,5 - 5 m/min	400xH100 mm*	2.600 mm	3 - 80 mm	23**	9.120x3.590 xH3.590 mm	1.500 Kg opt. 2.000 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	102.3 "	1/8 - 3.1 "		359x101.7 xH141.3 "	3,306 lbs opt. 4,409 lbs	

CTS 3300 SERIES

Vertical washing machines **closed on top**

			min	max		Kw.		max	
CTS 3300 800/4S	eu	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 60 mm	23**	9.440x2.570 xH4.290 mm	800 Kg opt. 1.000 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 2.3 "		371.6x101.1 xH168.8 "	1,764 lbs opt. 2,204 lbs	
CTS 3300 800/6S	eu	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 60 mm	23**	10.160x2.570 xH4.290 mm	800 Kg opt. 1.000 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 2.3 "		400x101.1 xH168.8 "	1,764 lbs opt. 2,204 lbs	
CTS 3300 1500/4S	eu	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 80 mm	23**	10.270x2.585 xH4.290 mm	1.500 Kg opt. 2.000 Kg	4
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 3.1 "		404.3x101.7 xH168.8 "	3,306 lbs opt. 4,409 lbs	
CTS 3300 1500/6S	eu	0,5 - 5 m/min	400xH100 mm*	3.300 mm	3 - 80 mm	23**	10.610x2.585 xH4.290 mm	1.500 Kg opt. 2.000 Kg	6
	us	19.7 - 197 "/min	15.7xH3.9 "*	129.9 "	1/8 - 3.1 "		417.7x101.7 xH168.8 "	3,306 lbs opt. 4,409 lbs	

* others on request ** standard (may vary depending on options potentially included)

LEGEND

speed	minimum glass size	minimum glass size	workable glass thickness	installed power	dimensions	max glass load (on the conveyor)	brushes

ACCESSORIES

VERTICAL WASHING MACHINES

The washing machine applied to **the edging machines and bevelling machines** outlet conveyor allows the complete cleaning and drying of the processed edges of the glass sheets.

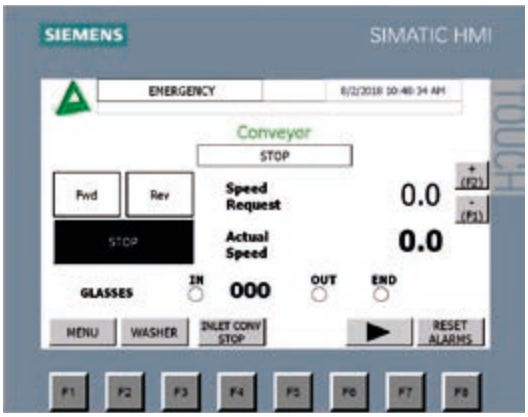
		min		Kw.		
OT 300	eu	300x300 mm*	the same of the machine on which it is fitted on	2 **	550x600 xH770 mm	2
	us	11.8x11.8 "*			21.6x23.6 xH30.3 "	

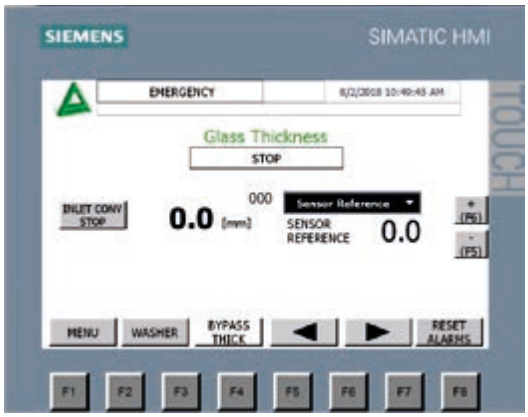
* others on request
** standard (may vary depending on options potentially included)

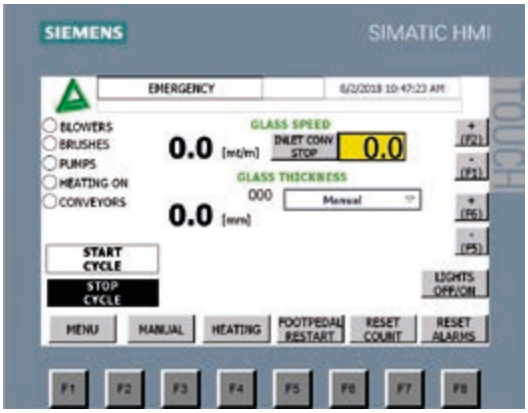
PANEL

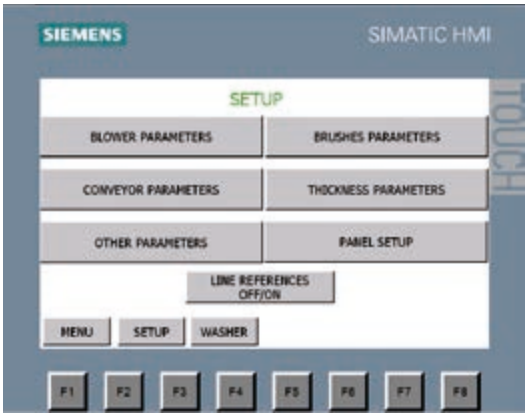
TOUCH SCREEN OPERATOR

Panel for the control and management of all work steps









COMPLE MENTARY

PROCESSING SOLUTIONS

CORNERS GRINDING MACHINES

DELTA SERIES

HORIZONTAL **DRILLING** MACHINES

TP SERIES

CORNERS GRINDING MACHINES AND DRILLING MACHINES

SOLUTIONS FOR COMPLEMENTARY PROCESSING

Specific machines for automatically processing radius and straight corners, thus recommended for example for glassmakers who manufacture large volumes of furnishing shelves or doors.
Complete line of automatic, **semi-automatic and manual horizontal drilling machines** with one or two opposing heads.

performing
high speed

Corners grinding machines: cycle time less than 30" for thicknesses up to 20 mm.

productive
smart technology

Drilling machines: laser centring system and supports for drilling in series.

reliable
little maintenance required

Machines with extremely long useful life and extremely easy to maintain.

flexible
customised configurations

Corners grinding machines: you can work on different types of corners and profiles depending on the assembled type of tools.

smart
simplicity of use

Drilling machines: automatic adjustment of the diamond tool speed by setting the drilling diameter.

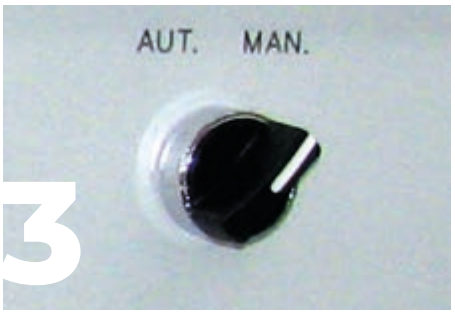
excellent
top performance

Thanks to optionals such as the use of liquid cerium oxide, our corners grinding machines can offer high final processing quality.

CORNERS GRINDING MACHINES

TECHNICAL DETAILS

1. Movement of the **pneumatic wheel-holder units**.
2. Spindle **adjustment handwheels**.
3. Option to work in **automatic cycle**.
4. **Manual lubrication** of all rotary parts.
5. Integrated support for processing **medium size sheets**.
6. Simple and quick **positioning of the templates**.



HORIZONTAL DRILLING MACHINES

TECHNICAL DETAILS

1 **Automatic ejection** of the glass cores (not available for the TP 1000 version).

2 Laser **centring system**.

3 Pneumatic glass **support table**.

4 **Automatic adjustment of the diamond tool speed** by setting the drilling diameter (not available for the TP 1000 version).

DELTA SERIES

SPECIFIC MACHINES FOR AUTOMATIC PROCESSING OF CORNERS

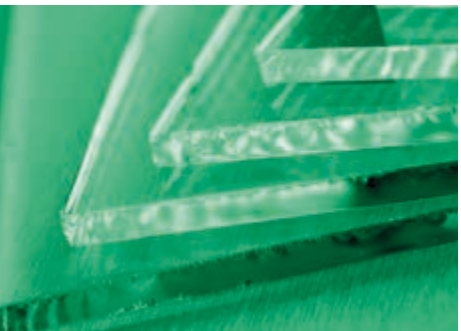
The DELTA series comprises specific machines for automatically processing corners, thus recommended for example for glassmakers who manufacture large volumes of furnishing shelves or doors.
They can process radius or straight corners on thicknesses up to 20 mm in less than 30 seconds, even with liquid cerium oxide polishing.

4 - 20 mm
5/32 - 3/4 "

10 - 150 mm
25/64 - 6 "

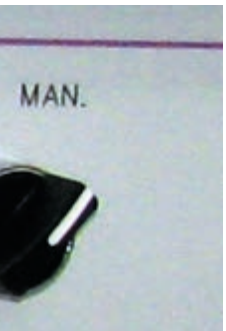
10 - 200 mm
25/64 - 7.9 "

pneumatic



DELTA SERIES

Corners grinding machines



Automatic machines for **processing radius and straight corners**

		min	max				Kw.	
DELTA M3	**eu**	200x300 mm opt. 100x200 mm	1.000x1.000 mm (square glasses) 1.300x700 mm (rectangular glasses)	10 - 150 mm	10 - 200 mm	4 - 20 mm	8,5	2.200x1.150 xH1.750 mm
	us	7.9x11.8 " opt. 3.9x7.9 "	39.4x39.4 " (square glasses) 51.2x27.5 " (rectangular glasses)	25/64 - 6 "	25/64 - 7.9 "	25/64 - 7.9 "		86.6x45.3 xH68.9 “
								3 2 1

DELTA M4	**eu**	200x300 mm opt. 100x200 mm	1.000x1.000 mm (square glasses) 1.300x700 mm (rectangular glasses)	10 - 150 mm	10 - 200 mm	4 - 20 mm	11	2.680x1.300 xH1.750 mm
	us	7.9x11.8 " opt. 3.9x7.9 "	39.4x39.4 " (square glasses) 51.2x27.5 " (rectangular glasses)	25/64 - 6 "	25/64 - 7.9 "	25/64 - 7.9 "		105.5x51.2 xH68.9 “
								4 3 2 1

LEGEND

diamond peripheral wheel | peripheral polishing wheel | peripheral felt wheel | minimum glass size | maximum glass size | workable glass thickness | installed power | dimensions | radium corners size | cant corners size

		min	max				Kw.	
DELTA M4 C	**eu**	200x300 mm opt. 100x200 mm	1.000x1.000 mm (square glasses) 1.300x700 mm (rectangular glasses)	10 - 150 mm	10 - 200 mm	4 - 20 mm	11	2.680x1.300 xH1.750 mm
	us	7.9x11.8 " opt. 3.9x7.9 "	39.4x39.4 " (square glasses) 51.2x27.5 " (rectangular glasses)	25/64 - 6 "	25/64 - 7.9 "	25/64 - 7.9 "		105.5x51.2 xH68.9 “
							4 3 2 1	

DELTA M5	**eu**	200x300 mm opt. 100x200 mm	1.000x1.000 mm (square glasses) 1.300x700 mm (rectangular glasses)	10 - 150 mm	10 - 200 mm	4 - 20 mm	13	3.000x1.300 xH1.750 mm
	us	7.9x11.8 " opt. 3.9x7.9 "	39.4x39.4 " (square glasses) 51.2x27.5 " (rectangular glasses)	25/64 - 6 "	25/64 - 7.9 "	25/64 - 7.9 "		118.1x51.2 xH68.9 “
							5 4 3 2 1	

TP SERIES

SEMI-AUTOMATIC AND AUTOMATIC MANUAL HORIZONTAL DRILLING MACHINES

Complete line of automatic, semi-automatic and manual horizontal drilling machines with one or two opposing heads (bottom automatic and top manual). Common features are the automatic locking of the glass during the drilling cycle and the option to adjust the drilling depth on the bottom head. Just like for all of our models, they come in various options, thus allowing utmost customisation and adaptation of the product to the various needs.

Ø 4 - 200 / 250 mm
Ø 5/32 - 7.9 / 9.8 "

Ø 4 - 130 mm
Ø 5/32 - 5.1 "

50 mm
2 "

1.000 / 1.065 / 1.200 / 1.665 mm
39.3 / 41.9 / 47.2 / 65.5 "

TP SERIES

Manual and **semi-automatic**
horizontal drilling machines

TP SERIES

Manual horizontal drilling machines

				max	max	Kw.	
TP 1000.1H	eu	Ø 4 - 200 mm	-	1000 mm	50 mm	1,5	1.700x1.300 xH1.800 mm
	us	Ø 5/32 - 7.9 "	-	39.4 "	2 "		66.9x51.1 xH70.8 "
TP 1000.2H	eu	Ø 4 - 200 mm	Ø 4 - 130 mm	1000 mm	50 mm	2,5	1.700x1.300 xH1.800 mm
	us	Ø 5/32 - 7.9 "	Ø 5/32 - 5.1 "	39.4 "	2 "		66.9x51.1 xH70.8 "
					Available also the automatic version		

TP SERIES

Semi-automatic/automatic horizontal drilling machines

				max	max	Kw.	
TP 1065	eu	Ø 4 - 250 mm	Ø 4 - 130 mm	1.065 mm	50 mm	3	1.700x900 xH1.760 mm
	us	Ø 5/32 - 9.8 "	Ø 5/32 - 5.1 "	41.9 "	2 "		66.9x35.4 xH69.2 "
					Available also the automatic version		
TP 1200	eu	Ø 4 - 250 mm	Ø 4 - 130 mm	1.200 mm	50 mm	3	1.900x900 xH1.760 mm
	us	Ø 5/32 - 9.8 "	Ø 5/32 - 5.1 "	47.2 "	2 "		74.8x35.4 xH69.2 "
					Available also the automatic version		
TP 1200 VSE	eu	Ø 4 - 250 mm	Ø 4 - 130 mm	1.200 mm	50 mm	3	4.920x2.483 xH1.760 mm
	us	Ø 5/32 - 9.8 "	Ø 5/32 - 5.1 "	47.2 "	2 "		193.7x97.7 xH69.2 "
					Available also the automatic version		
TP 1665	eu	Ø 4 - 250 mm	Ø 4 - 130 mm	1.665 mm	50 mm	3	2.700x900 xH1.760 mm
	us	Ø 5/32 - 9.8 "	Ø 5/32 - 5.1 "	65.5 "	2 "		106.2x35.4 xH69.2 "
					Available also the automatic version		

LEGEND

drilling diameter (with 1 head)	drilling diameter (with 2 heads)	useful depth	max glass thickness	installed power	dimensions

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+ADDING VALUE

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