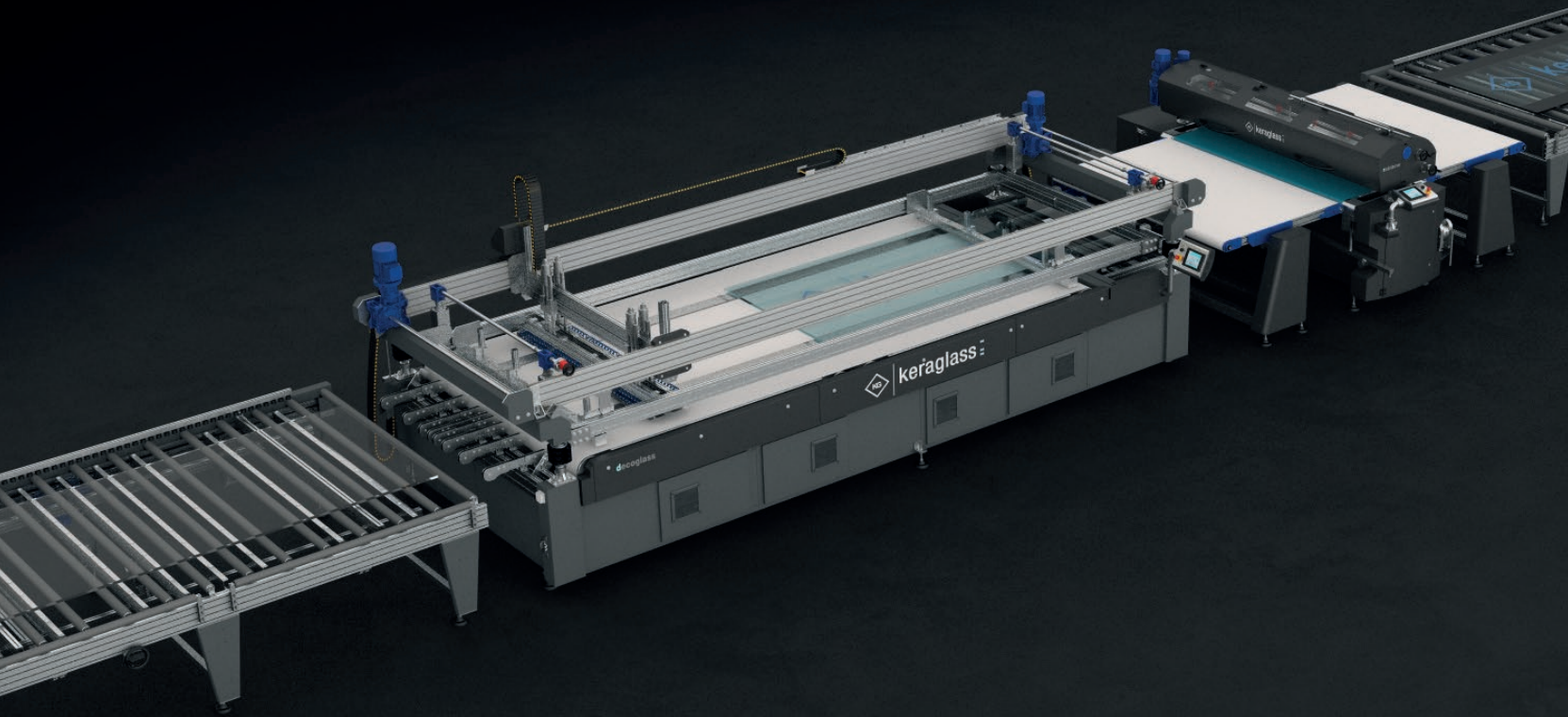


rde line





Core Business

CORE BUSINESS

An overview that makes the difference. What characterizes Keraglass as a worldwide leader in the glass industry is its “all around” approach.

With innovative, functional and customer oriented solutions.

Developed around a deep and direct analysis of the issues that may arise in glass processing on flat and curved tempering, decoration and laminating.

lrde line



In line with the future

Keraglass is the only company worldwide which produces a complete line for screen printing, roller coating and drying glass sheets of any size and processing type. Through its complete range, Keraglass is perfectly placed not only to speed up the production process but also to interact with the building, architectural, automotive and interior design sectors, because its language is forged from advanced technology that interprets the future and translates it into the here and now.

lrde: innovation in decoration

The LRDE line comprises a screen printing machine, a roller coating machine and a dryer. Designed to perform the process in perfect synchrony, each machine in the line represents the top of the range, in terms of effectiveness and logic, to provide comprehensive and flawless decoration treatment.



Headquarters

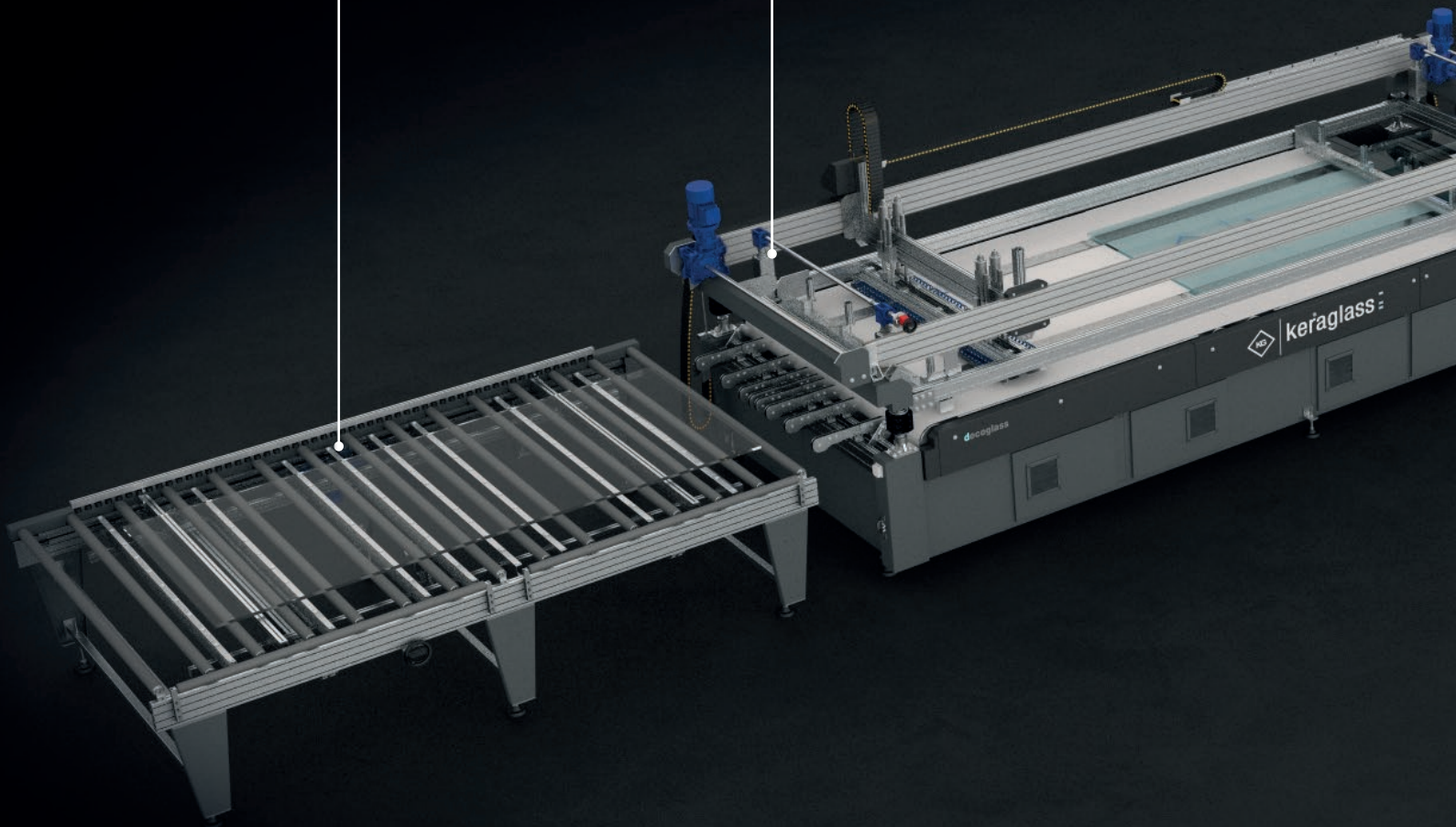
The headquarter in Baiso (Italy), with an area of 10,000 sqm includes executive offices, production workshops, R&D, warehouse in addition to the technological Showroom. All these aspects are the real flagship for technology and innovation.



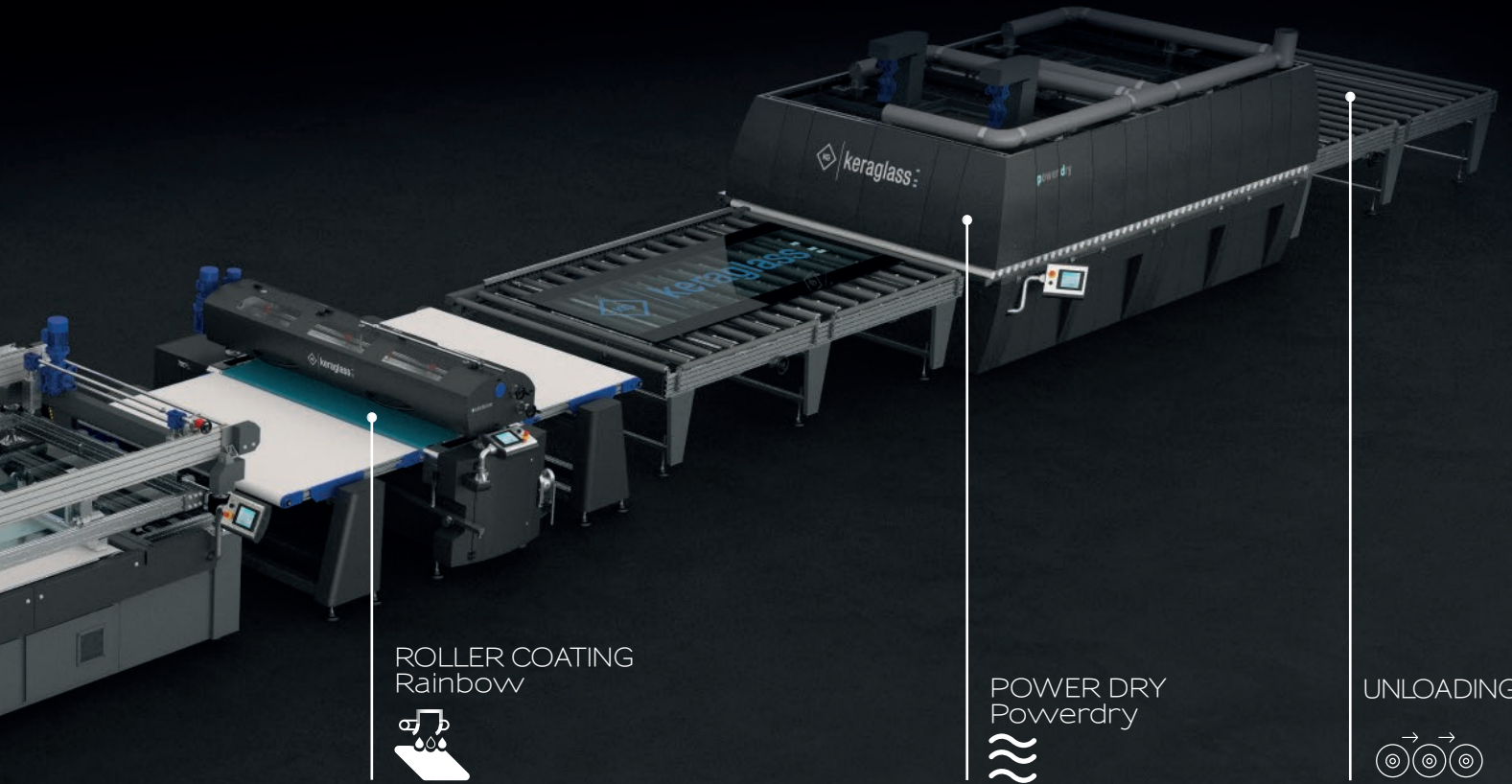
rde line



SCREEN PRINTING
Decoglass



**Effectiveness, speed and
perfection on the same level**



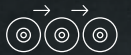
ROLLER COATING
Rainbow



POWER DRY
Powerdry



UNLOADING



SHOWER DOOR



ARCHITECTURE



INTERIOR DESIGN



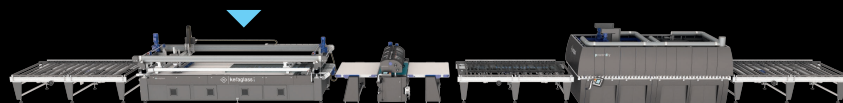
decoglass



Decoglass

This technologically advanced machine makes each stage of the decoration process extremely straightforward and fast. The operator enters the dimensions of the glass panel in the computer to obtain a simulation of the automatic registration procedure. If the parameters match, the machine admits the glass panel, which is positioned perfectly: at this point, two functional units come into operation, the floodbar, which spreads the enamel over the screen, and the printing squeegee, which

transfers the enamel to the substrate through the stencil. The floodbar distributes the enamel over the screen, and the perfectly positioned panel simultaneously enters the machine. The screen is then lowered onto the substrate and the printing squeegee applies the enamel onto the glass substrate (which can be of different sizes and thickness) with absolute precision.



decoglass

SCREEN PRINTING MACHINE

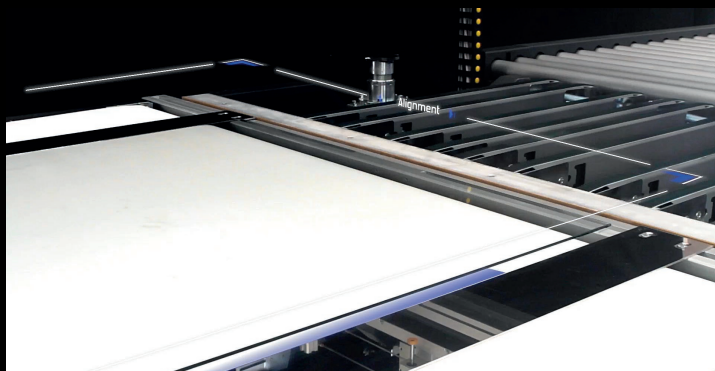
- + Automatic alignment
- + Automatic writing
- + High precision
- + Top speed



decoglass



STAGE 1
Registration set-up and simulation, performed by the operator



STAGE 2
Automatic panel positioning



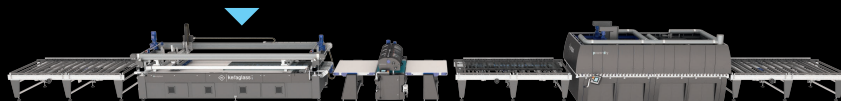
STAGE 3
Enamel flooding on screen



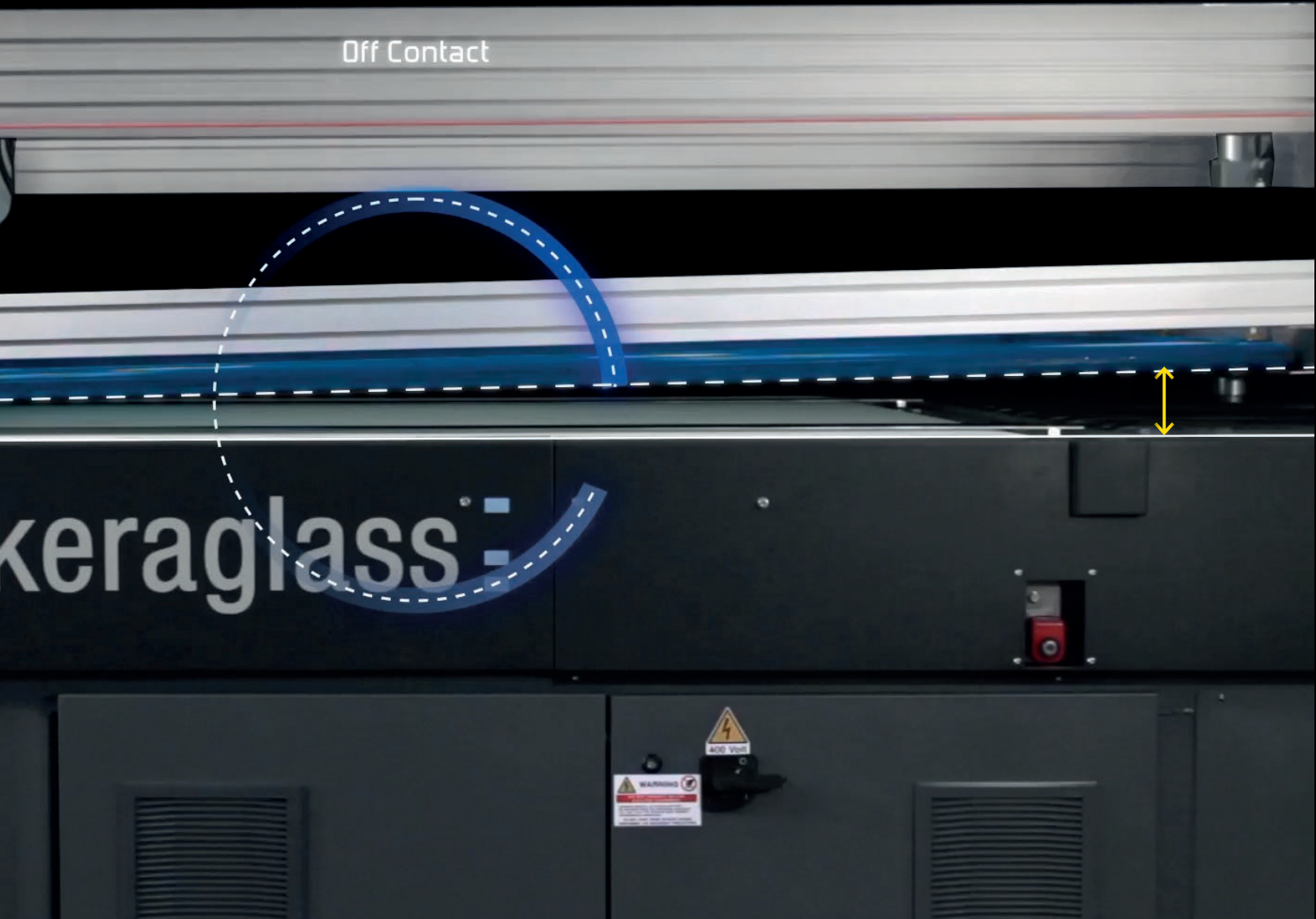
STAGE 4
Enamel transfer onto panel

FOCUS: off contact
During the print stroke, the frame is automatically angled to avoid blurring of the image on the substrate.





Off Contact



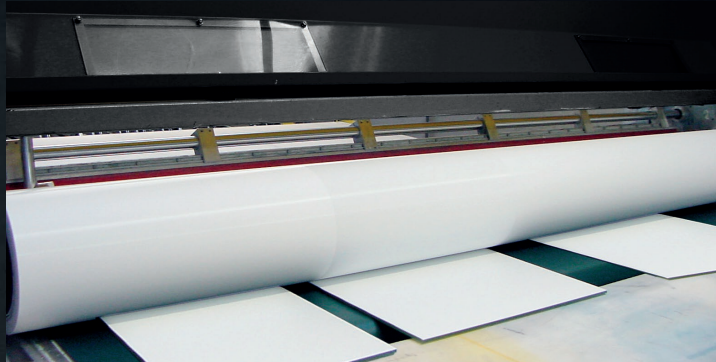
rainbow

STAGE 1

Presetting: In the presetting stage the enamel quantity is dosed based on the desired coating effect

STAGE 2

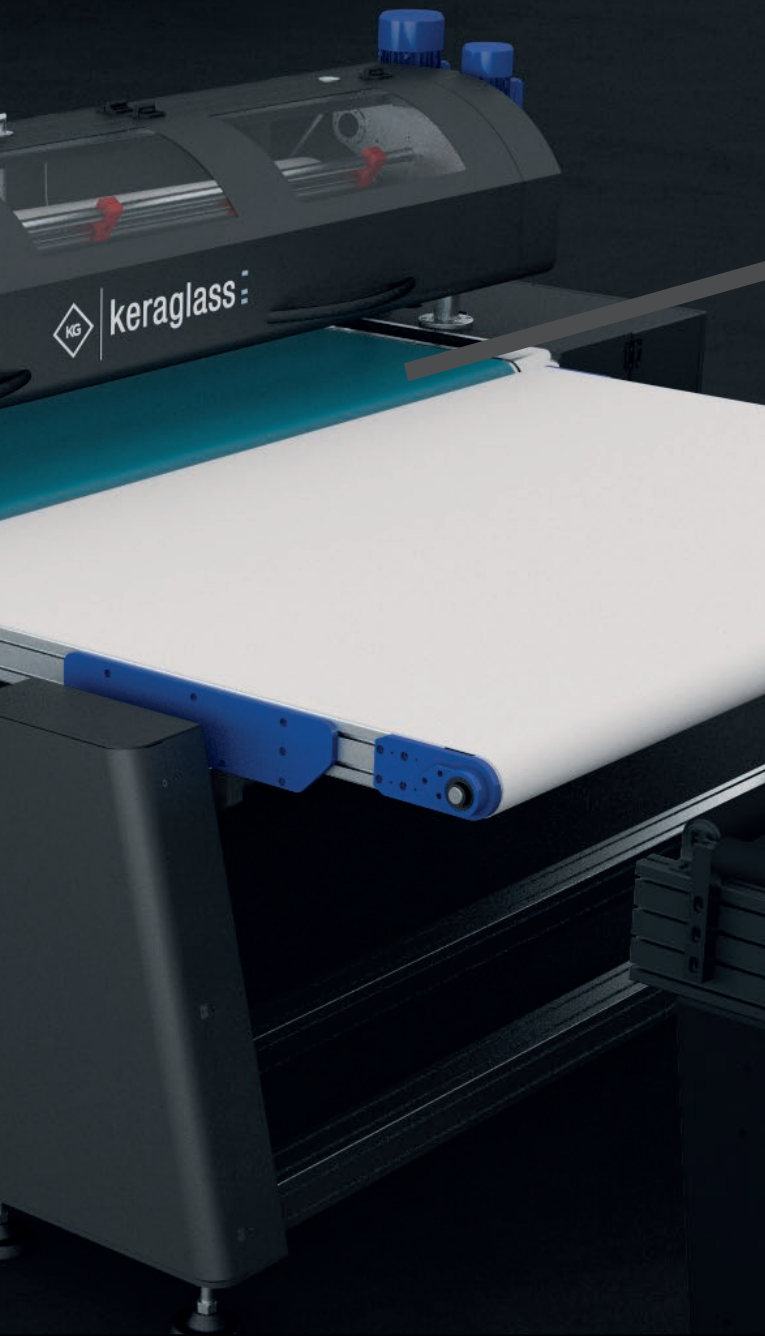
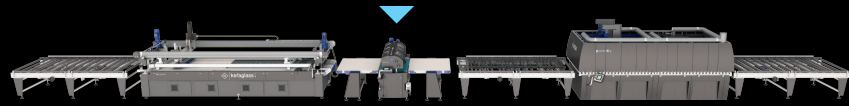
Enamel application



Rainbow

Thanks to its speed, the “Rainbow” roller coater guarantees high throughput and excellent finished product quality. The machine keeps the edge of the glass panel clean and, compared to a conventional “spray-type” system, it reduces enamel consumption while ensuring complete opacity of the panel.

The coating process is performed by means of continuous recirculation, with the possibility of automatically recovering unused enamel at the end of the process

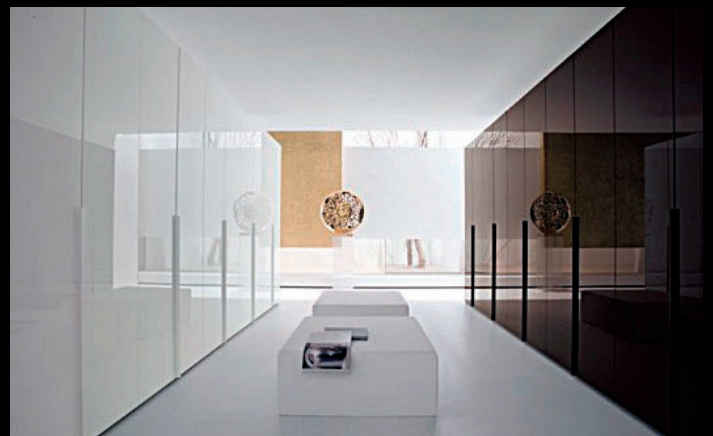
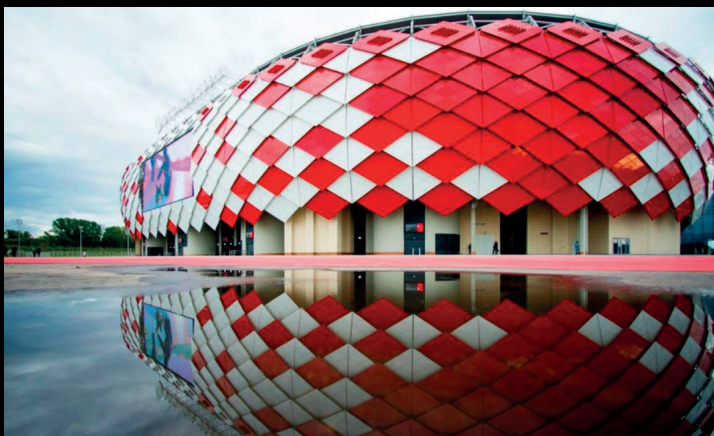


FOCUS: satin effect
In addition to the opaque effect, the machine can apply a very high quality satin effect finish

rainbow

ROLLER COATING MACHINE

- + Excellent Coverage
- + High Productivity
- + Quick Cleaning
- + Automatic Color Recycling
- + Used On Various Types of Coating



power dry



Power Dry

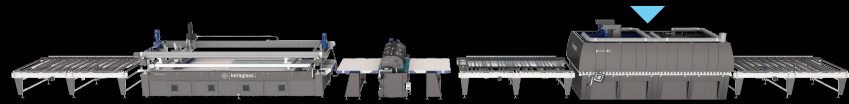
“Power dry” is a roller dryer with capabilities that make it absolutely unique. Thanks to a drying system based on recirculation of preheated air, the coated glass surface is dried completely through the full film thickness, with the complete elimination of particles of moisture and solvent.

The injection of clean air during the process eliminates the risk of the

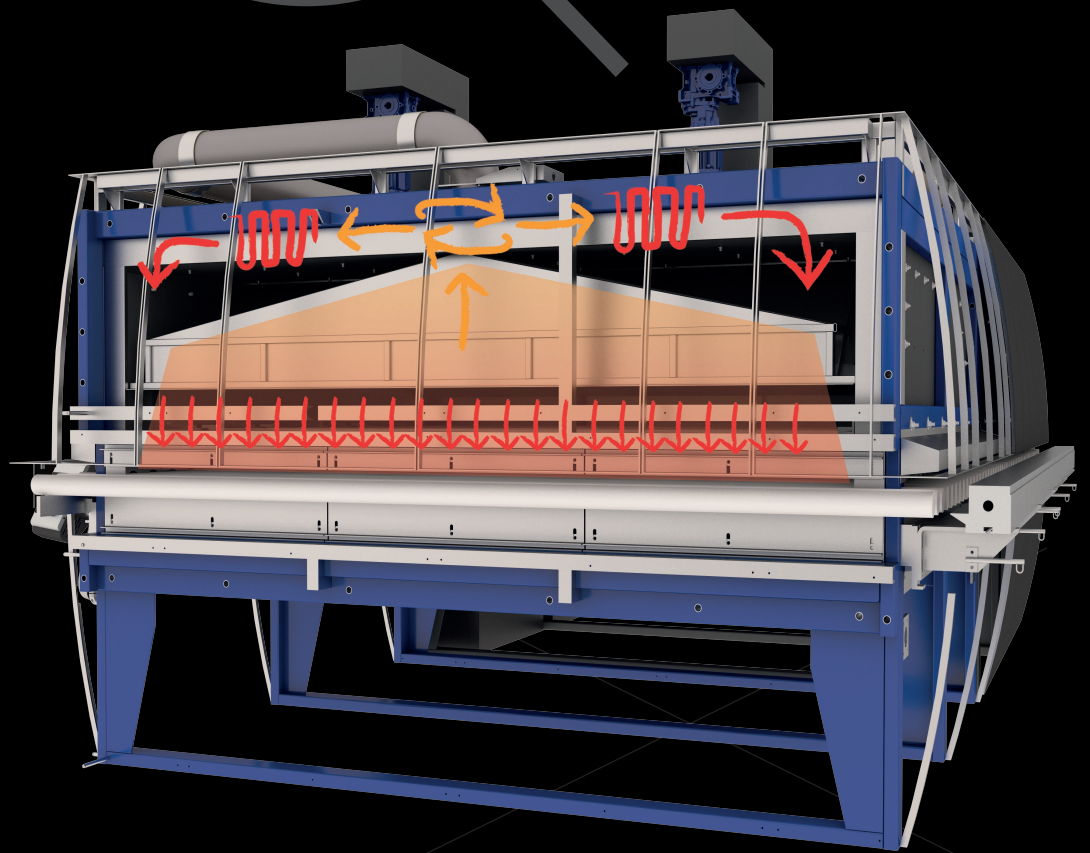
formation of humidity and/or condensation inside the dryer.

Volatile substances released by the enamel are expelled automatically to the exterior of the shop through a dedicated chimney.

Thanks to this drying method, the coated and dried panels can be forwarded immediately to the tempering furnace, eliminating the risk of possible imperfections of the finished product.



FOCUS:
Convection System
Recirculation convection system with
preheated air at 180 °

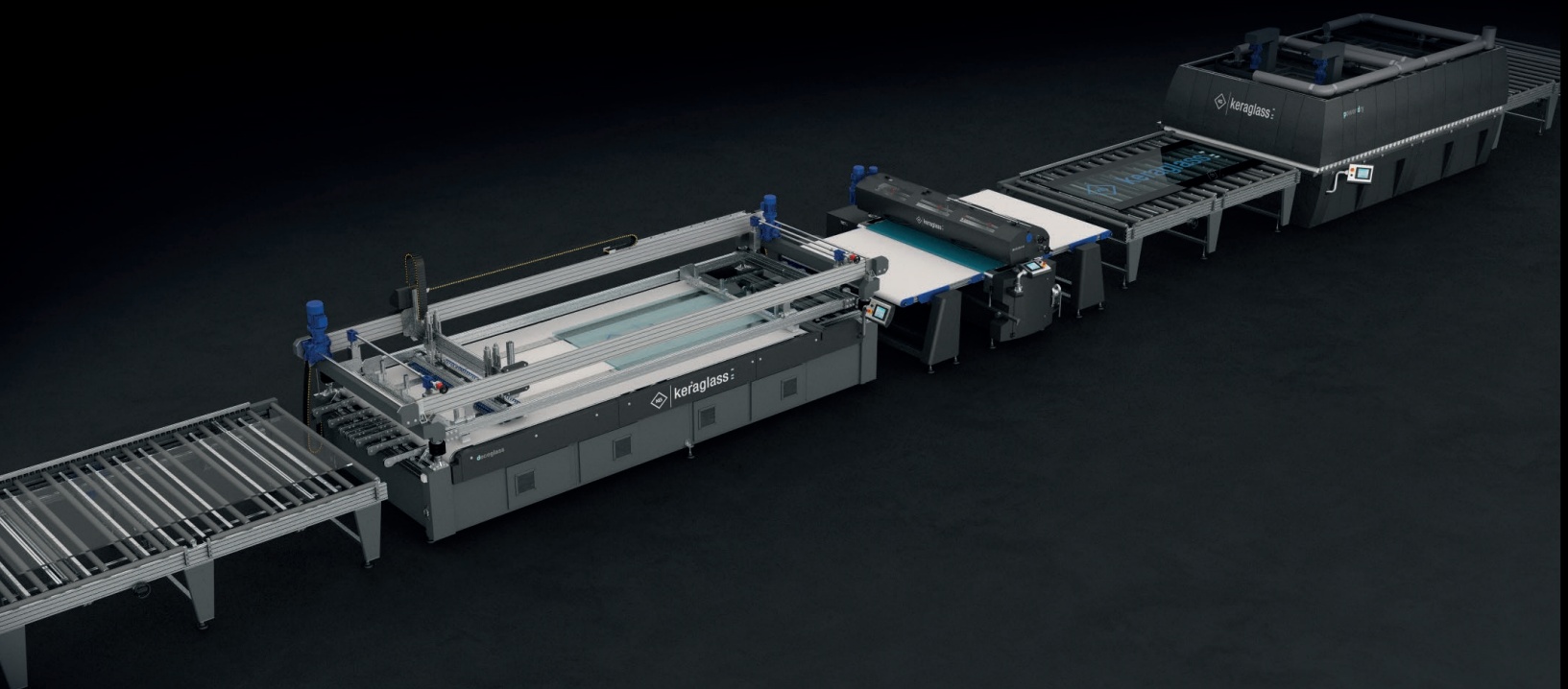


data sheets

Model	Glass Size	Glass thickness	Productivity		Productivity	Velocity	Power installed	Total length
			Max Size	1600x1000				
	mm	mm	pcs/min		m/min	m/min	kw	mm
			decoglass		rainbow	power dry		
RDE	1600x2600	2,8 - 19	4	5	4-6	3-8	180	24.220
RDE	2200x4200	2,8 - 19	3	5	4-6	3-8	210	31.365
RDE	2600x5200	2,8 - 19	2	5	4-6	3-8	290	33.115
DE	3210x6200	2,8 - 19	1	5	-	3-8	310	31.885

Model	Glass Size	Glass thickness	Productivity		Productivity	Velocity	Power installed	Total length
			Max Size	1600x1000				
	mm	mm	pcs/min		m/min	m/min	kw	mm
			decoglass		rainbow	power dry		
RDE	63"x102,36"	0,11" - 0,74"	4	5	4-6	3-8	180	953,54"
RDE	86,61"x165,35"	0,11" - 0,74"	3	5	4-6	3-8	210	1234,84"
RDE	102,36"x204,72"	0,11" - 0,74"	2	5	4-6	3-8	290	1303,74"
DE	126,37"x244,09"	0,11" - 0,74"	1	5	-	3-8	310	1255,31"

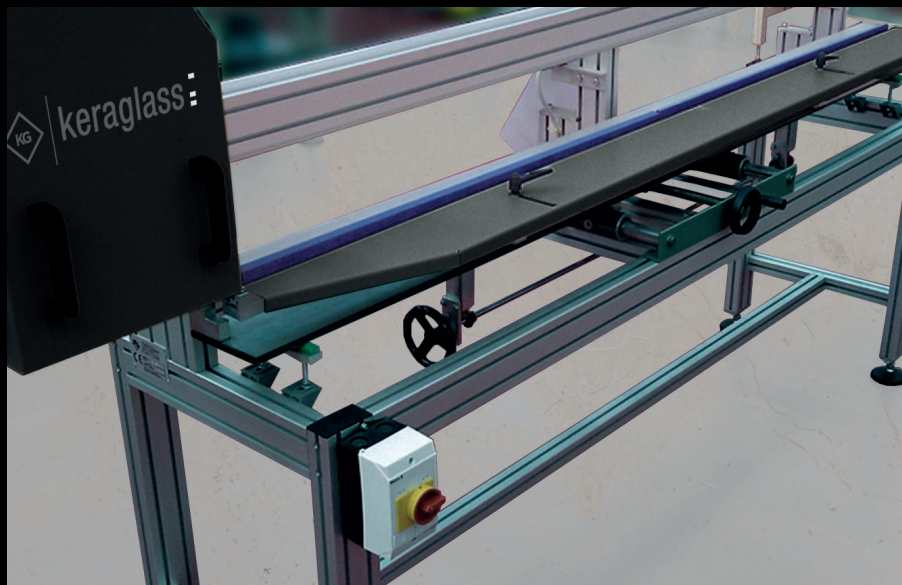
Note: The above-mentioned productivity data are based on 100% useful charge, on a hour constant production and with glass size according to standard rules. Actual productivity depends on the operator's efficiency, size of the glass, shape and quality standards requested by the customer.



decoglass accessories



Enamel preparation kit with mixer



Squeegee blade sharpener

rainbow accessories



Enamel preparation kit with heating tank



Roller replacement system



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