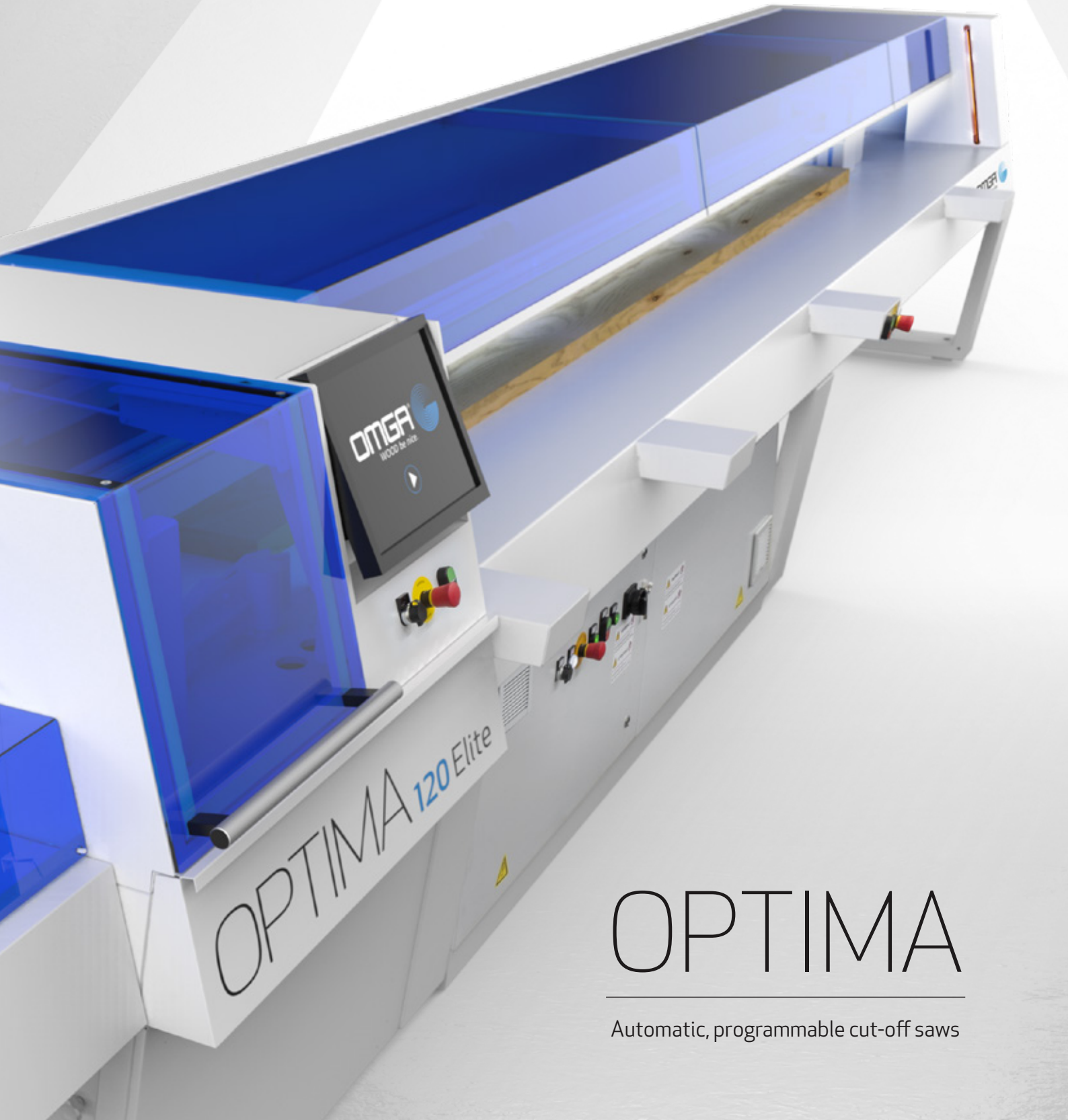
OMGA®
WOOD be nice.



OPTIMA

Automatic, programmable cut-off saws

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DESIGN AND TECHNOLOGY: PASSION AND PRECISION

OPTIMA Line

Clean and essential design, taut lines with sharp edges, transparency combined with the solid and robust compactness of the new Family feeling **OPTIMA**. These are the brand new **OMGA** optimizers able to blend avant-garde stylistic elements with the best performances and the historical reliability of the brand.

The **Pusher Optimizing and Defecting Cut-off Saws** line consists of 4 models in multiple versions, making it adaptable to every need and requirements of the various sectors to which it is addressed: from the simple machine to the fully automated system for high production.

Maximum ergonomics and new powers; software designed to offer the user an easy absolute control of each function, position the new **OPTIMA** series at the top of its sector and make it a true reference point for the industry.

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The **OPTIMA 240** is a Push-Feed Optimizing and Defecting Cut-Off Saw, for high-speed production. The last generation CNC, with Windows Embedded OS and connected to an adjustable 19" Touch Screen display, combines reliability, ease of use and always maintains the ergonomic position of the operator. The network connection is guaranteed by an available RJ45 Ethernet port and the software allows for reports on the ongoing production runs, to always be available on screen or through the network, without interrupting the process of the machine. The pusher system, rides on precision linear rails and bearings and, along with the pneumatic tail clamp and linear encoder, ensures very accurate positioning of the work piece (+/- 0.15 mm). The loading table, allows the operator to grade and prepare multiple boards which may be loaded in sequence, eliminating waste of time. The cutting area is fitted with a system of "intelligent" vertical and horizontal clamps, which automatically adapt to the dimension of the stock being processed, making the cutting cycle faster and ensuring the squareness of the cut pieces. The optimization software features a wide variety of available cutting programs and combinations, which make this system very versatile and ready to respond to the different needs of the industry.

The OPTIMA 240 is available in 2 different configurations of maximum length of infeed boards, 4200 mm and 6200 mm.

The system may be completed with a variety of optional equipment such as length sorters with kickers, automatic loading systems, in-line high resolution ink-jet printer, width sensor as well as custom executions, based on the needs of our customers.

OPTIMA 240: TOP PERFORMANCE

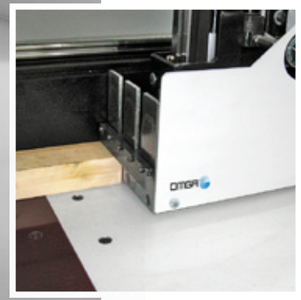




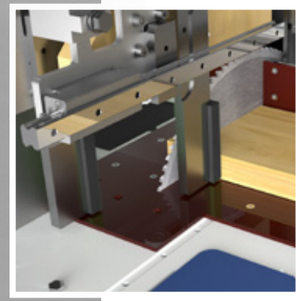
Safety barrier: allows the operator to work with maximum safety as, if interrupted, it immediately blocks the movement of the feeding carriage. The barrier is deactivated automatically when the carriage is working inside the machine cabinet, thus allowing the pre-loading of a new bar.



CNC, with Windows Embedded OS and connected to an adjustable 19" Touch Screen display, allows the easy and comfortable use to any operator, reducing vision fatigue and ensures a natural touch on the screen.



A vertical tail clamp fitted on the pusher, allows for feeding speeds of 240 m/min. while ensuring very precise length tolerance of +/- 0.15 mm.



Detail of the cutting area with "Intelligent" front and vertical clamps, riding on high precision linear bearings. The see-through polycarbonate guard allows for a clear line of sight to the area of the operation of the saw and easy access to the compartment for maintenance, through the assisted lifting of the guard.

OPTIMA 120 Elite: NO COMPROMISE

The **OPTIMA 120 Elite** is an Optimizing, Defecting Cut-off Saw with pusher feeding system. Equipped with a latest generation numerical control, equipped with Windows Embedded operating system, with Touch Screen, which combines reliability, ease of use and ergonomics. The network connection is guaranteed by an available RJ45 Ethernet port and the software allows for reports on the ongoing production runs, to always be available on screen or through the network, without interrupting the process of the machine. The pusher system, rides on precision linear rails and bearings and, along with the pneumatic tail clamp and linear encoder, ensures very accurate positioning of the work piece (+/- 0.15 mm).
The loading table, allows the operator to grade and prepare multiple boards which may be loaded in sequence, eliminating waste of time. The cutting area is fitted with a system of "intelligent" vertical and horizontal clamps, which automatically adapt to the dimension of the stock being processed, making the cutting cycle faster and ensuring the squareness of the cut pieces. The optimization software features a wide variety of available cutting programs and combinations, which make this system very versatile and ready to respond to the different needs of the industry.

The OPTIMA 120 Elite is available in 2 different configurations of maximum length of infeed boards, 4200 mm and 6200 mm.

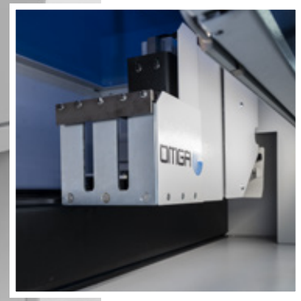
The system may be completed with a variety of optional equipment such as length sorters with kickers, automatic loading systems, in-line high resolution ink-jet printer, width sensor as well as custom executions, based on the needs of our customers.





Safety barrier: allows the operator to work with maximum safety as, if interrupted, it immediately blocks the movement of the feeding carriage. The barrier is deactivated automatically when the carriage is working inside the machine cabinet, thus allowing the pre-loading of a new bar.

CNC, with Windows Embedded OS and connected to an adjustable 17" Touch Screen display, allows the easy and comfortable use to any operator, reducing vision fatigue and ensures a natural touch on the screen.



A vertical tail clamp fitted on the pusher, allows for feeding speeds of 120 m/min. while ensuring very precise length tolerance of +/- 0.15 mm. The tail clamp is lifting during the return stroke to read beginning and end of board, as well as the marked defects. The carriage stroke is automatically fixed according to each board length.



Detail of the cutting area with "Intelligent" front and vertical clamps, riding on high precision linear bearings. The see-through polycarbonate guard allows for a clear line of sight to the area of the operation of the saw and easy access to the compartment for maintenance, through the assisted lifting of the guard.

OPTIMA 120: FLEXIBILITY AND PRODUCTIVITY



The numerical control, associated with the 10.4" industrial Touch Screen, offers the operator an easy data entry and an intuitive guide to the use of the various optimization programs. The adjustable Touch Screen display, allows the easy and comfortable use to any operator, reducing vision fatigue and ensures a natural touch on the screen.



The pneumatic tail clamp assures a high precision length positioning with a tolerance of +/- 0.15 mm at a maximum feed speed of 120 m/min.



Safety barrier: allows the operator to work with maximum safety as, if interrupted, it immediately blocks the movement of the feeding carriage. The barrier is deactivated automatically when the carriage is working inside the machine cabinet, thus allowing the pre-loading of a new bar.

The **OPTIMA 120** is an Optimizing, Defecting Cut-off Saw with pusher feeding system. Equipped with a latest generation numerical control, with industrial Touch Screen on adjustable angle, which combines reliability, ease of use and ergonomics. This machine uses a pneumatic tail-clamp system that ensures precise bar management during positioning for cutting with a length tolerance of +/- 0.15 mm. The cutting area is fitted with a system of "intelligent" vertical and horizontal clamps, which automatically adapt to the dimension of the stock being processed, making the cutting cycle faster and ensuring the squareness of the cut pieces. The USB and RJ45 ports allow connection to the company network. The software allows for reports on the ongoing production runs, to always be available on screen, without interrupting the process of the machine.

The **OPTIMA 120** is available in two versions: **SNC** or **OPT**:

SNC, it allows to execute cutting lists favoring the longest possible measurements, or to execute sequences of lengths defined by the operator. This version is ideal for processing bundled boards.

OPT, Capable of optimization coupled with defecting functions. The board is read through a laser guided system, which allows to select up to two separate grades and an absolute accuracy, even on finished parts, without leaving any trace.



OPTIMA 60: SIMPLICITY AND CUTTING QUALITY

The **OPTIMA 60** is an Optimizing, Defecting Cut-off Saw with pusher feeding system. Equipped with a latest generation numerical control, with industrial Touch Screen on adjustable angle, which combines reliability, ease of use and ergonomics.
This machine can be equipped with a pneumatic tail-clamp system (optional) to ensures precise board management during positioning for cutting with a length tolerance of +/- 0.15 mm.
The cutting area can be fitted with a system of "intelligent" vertical and horizontal clamps, (optional), which automatically adapt to the dimension of the stock being processed, making the cutting cycle faster and ensuring the squareness of the cut pieces.
The USB and RJ45 ports allow connection to the company network. The software allows for reports on the ongoing production runs, to always be available on screen, without interrupting the process of the machine.

The OPTIMA 60 is available in two versions: **SNC** or **OPT**:

SNC, it allows to execute cutting lists favoring the longest possible measurements, or to execute sequences of lengths defined by the operator. This version is ideal for processing bundled boards.

OPT, Capable of optimization coupled with defecting functions. The board is read through a laser guided system, which allows to select up to two separate grades and an absolute accuracy, even on finished parts, without leaving any trace.



The pneumatic tail clamp (optional), assures a high precision length positioning with a tolerance of +/- 0.15 mm at a maximum feed speed of 60 m/min.

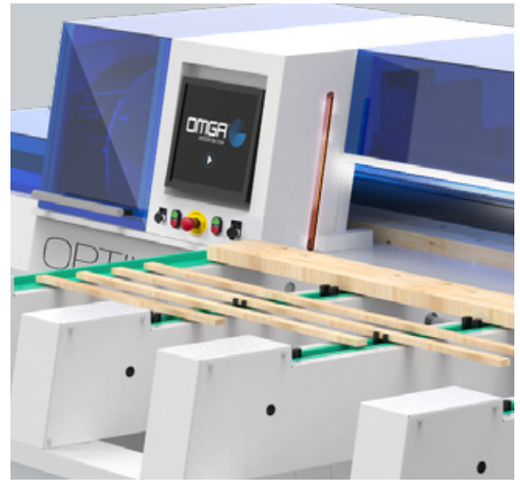


The numerical control, associated with the 10.4" industrial Touch Screen, offers the operator an easy data entry and an intuitive guide to the use of the various optimization programs. The adjustable Touch Screen display, allows the easy and comfortable use to any operator, reducing vision fatigue and ensures a natural touch on the screen.

OPTIMA VERSATILITY AND CREATIVITY WITHOUT BORDERS



High resolution INK-JET printer for printing custom strings and logos on cut pieces. The system uses HP (Hewlett Packard) cartridges, which make it reliable and easy to maintain.

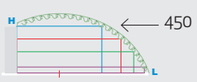
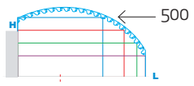


Automatic front chain loading system. New design, more functional and ergonomic. Available in various dimensions and configurations.



Automatic length sorting system with pneumatic kickers. Available in various dimensions and configurations. The management is integrated with the optimization software.

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		OPTIMA **240**	OPTIMA **120 elite**	OPTIMA **120**	OPTIMA **60**
	mm (L x H)	215 x 100 244 x 80 275 x 50 300 x 18	200 x 110 245 x 80 275 x 50 300 x 14	200 x 110 245 x 80 275 x 50 300 x 14	200 x 110 245 x 80 275 x 50 300 x 14
	mm (L x H)	220 x 120 240 x 110 280 x 80 300 x 50	200 x 110 250 x 110 280 x 80 300 x 50	200 x 140 250 x 110 280 x 80 300 x 50	200 x 140 250 x 110 280 x 80 300 x 50
	mm RPM	A = Ø 450 B = Ø 35 3000 n/1' opt. Ø 500	A = Ø 450 B = Ø 35 3000 n/1' opt. Ø 500	A = Ø 450 B = Ø 35 3000 n/1' opt. Ø 500	A = Ø 450 B = Ø 35 3000 n/1' opt. Ø 500
	kW	1 x 5,5 kW 1 x 3,27 kW (5,2 Nm) opt. 7,5 kW	1 x 4,6 kW 1 x 1,27 kW (2,7 Nm)	1 x 4,6 kW 1 x 1,27 kW (2,7 Nm)	1 x 4,6 kW 1 x 0,75 kW (2,5 Nm)
	Ø mm	200	160	160	160
	atm	7/8	7/8	7/8	7/8
	mm	900	900	900	900
 *	n°	1 - 8	1 - 8	SNC 1 - 2 OPT 1 - 5	SNC 1 - 2 OPT 1 - 5

Cutting Programs *

1 Cutting pattern with fixed sequence.



2 Full board optimization.



3 Optimized cutting with defect removal.



4 Defecting with front and end trim.



5 Optimized cutting on two grades.



6 Optimized cutting and defect removal with clear recovery for Finger Jointer (●).



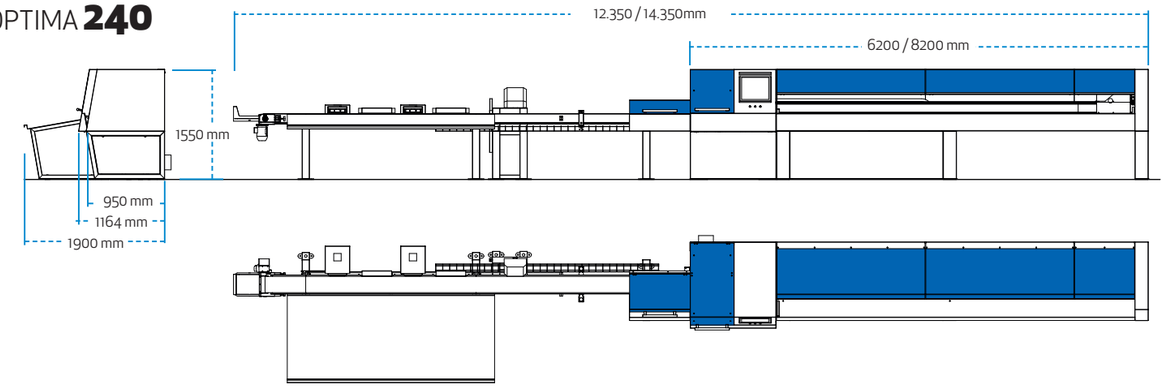
7 Optimized cutting and defect removal with waste fragmentation (X).



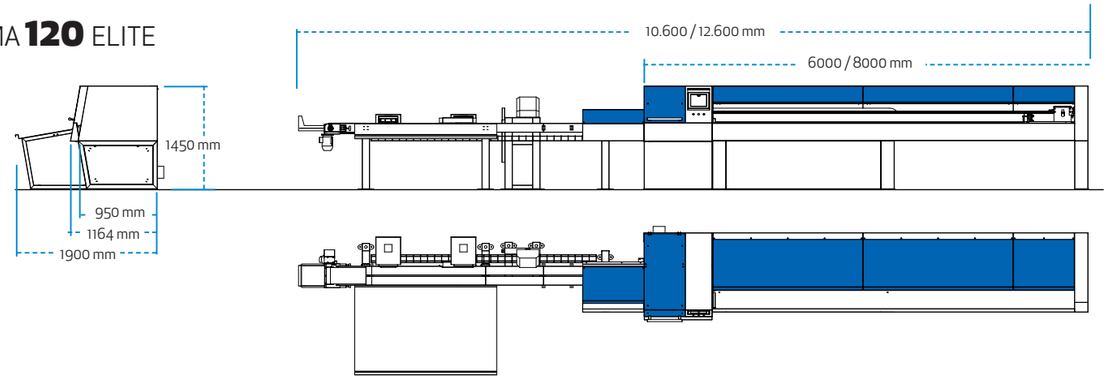
8 Optimized cutting on three grades with marking on one side.



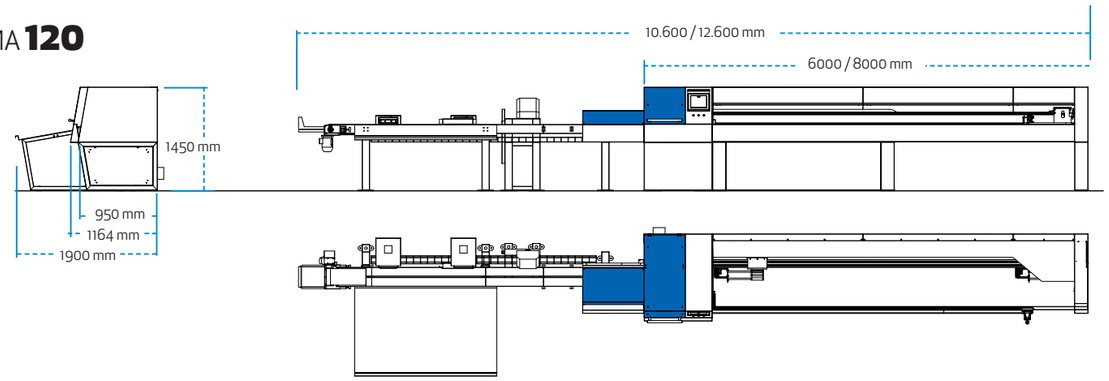
OPTIMA **240**



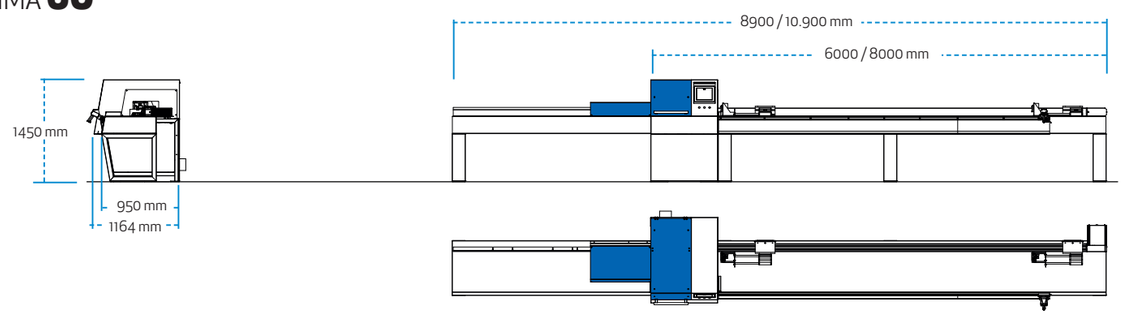
OPTIMA **120** ELITE



OPTIMA **120**



OPTIMA **60**



Technical data is subject to change without notice.



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