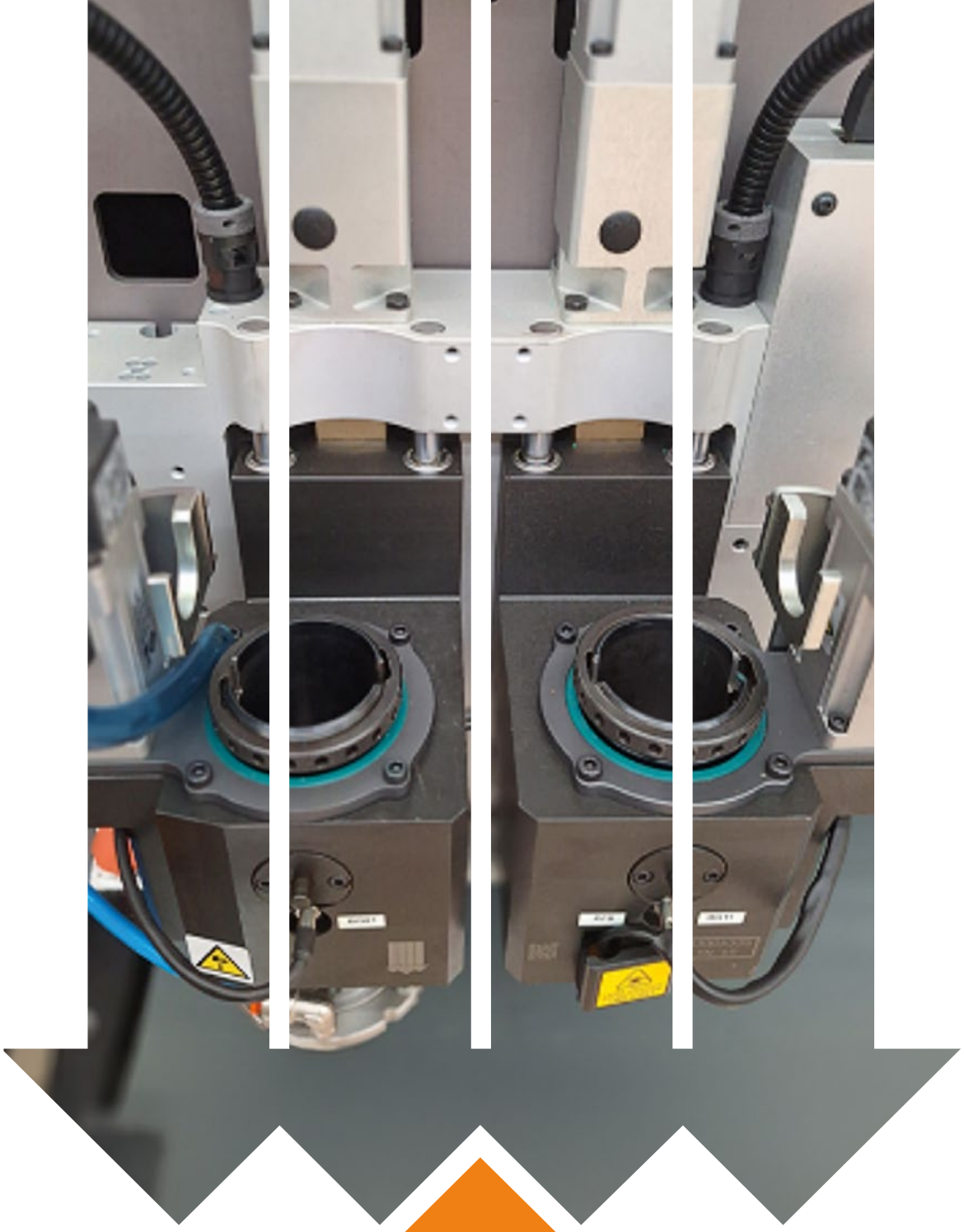


FlashCut **Twins**

FOR COMBINED PROCESSES

ATOM

Combined cutting systems optimise processing times. Born from a deep understanding of application and production processes, this line of machines offers the possibility of cutting thick materials, combining two technologies during machining. They allow combining a cutter with a cutting spindle, or two spindles with different technologies. They are among the most flexible systems in the Atom range of machines and can be configured from the type of base to the cutting technologies. Sturdy and reliable like every Atom cutting system, they are the result of experience gained during our 70 years of market presence.

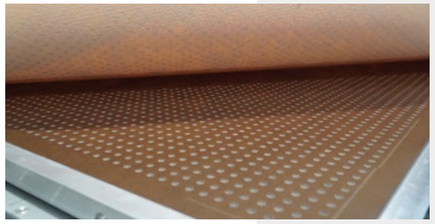
Wide range of models and configurations available

FlashCut **Twins** 1515 B/2

FlashCut **Twins** EMHD

A modular head with two independent vertical axes that allows sequential machining (combining a wide range of cutting, creasing, marking, and punching tools) and performing different operations on the same shape, using the most suitable tool for each specific need.

The EMH head allows sequential or separate blade and cutter operations. It is ideal both for combined machining of foam or rigid materials and for single-tool machining of a wide range of other materials. The Atom range includes two cutter versions, 2.4 kW and 5 kW, to cover most market requirements. The EMH and EMHD machine ranges can be combined with Atom cutting technology to enable combined machining of different materials.
The new US35 head with an ultrasonic spindle is also available for cutting up to 35 mm of material in a single pass.

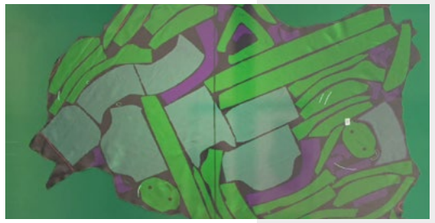


SECTORISED SUCTION SYSTEM

Powerful, sectorised, and adjustable suction allows adapting to any type of material or process, concentrating it where necessary for maximum hold during cutting and, at the same time, ensuring maximum energy savings.

PERFORMANCE AND RELIABILITY

Excellent cutting quality and high processing speed are the result of sturdy, precise mechanics, top-quality components, and latest-generation electronics.

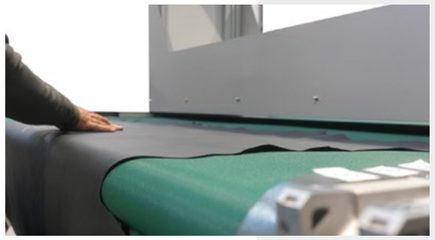


OPTIMISED PLACEMENT

A complete range of customised automatic placement systems and a simple, intuitive interface dramatically reduce process times and maximise material yield.

HIGH-BRIGHTNESS PROJECTORS

High-brightness projectors ensure optimal vision in any environment and on any type of material or colour. Equipped with LED lamps, they ensure high brightness, stable projection power, low maintenance, and a long lifespan. They are excellent for processing materials with irregular contours.



FEEDING SYSTEMS

The Twins models can be integrated with optional devices to facilitate and speed up feeding, loading, and unloading operations. Among these devices, the most commonly used are loading and unloading tables, either integrated into the table structure or separate, self-centring cradle unwinders, those with an expanding shaft or multi-roll, and automatic spreading systems, which are truly useful for cutting fabrics with a high number of layers.

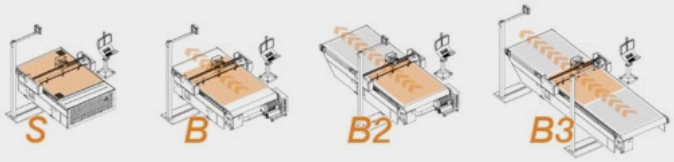
CONFIGURATIONS WITH FIXED TABLE OR CONVEYOR BELT

The Twins series models are available with a fixed cutting table or with a conveyor belt. In the latter, the material is fed through a combined action between the conveyor belt and a series of grippers integral with the cutting beam: this ensures maximum feed precision for both rigid and elastic materials, both single- and multi-layer. The feed and cutting precision allow cutting shapes longer than the cutting table over several times.

Twins Models

WORKPLACE SAFETY

Patented laser scanning protection system (standard on some models) to ensure greater operator safety even when working with the machine in motion, for example when collecting cut pieces on two-station machines.



S VERSION

MODELS AREA	WORKING (mm)	MAX. POWER CONSUMPTION (kW)	DIMENSIONS (mm)		WEIGHT (Kg)*
		1 pump/2 pumps	without projector	with projector	
FlashCut Twins 1515	1550x1550	13.46 / -	2500x2120x1220	2500x3000x3110	1290
FlashCut Twins 3015	3050x1550	13.46 /23.86	4000x2120x1220	4000x3000x3110	1790
FlashCut Twins 3020	3050x2050	13.46 /23.86	4000x2620x1220	4000x3630x2980	2090
FlashCut Twins 3026	3050x2600	- /23.86	4540x3144x1220	4540x4174x4181	2490
FlashCut Twins 4015	4050x1550	13.46 /23.86	5250x2120x1220	5250x3000x3110	2140

For other unlisted sizes, please contact the sales office.

B VERSION

MODELS	*B VERSION*			*B2 VERSION*			*B3 VERSION*		
	DIMENSIONS (mm)		WEIGHT (Kg)*	DIMENSIONS (mm)		WEIGHT (Kg)*	DIMENSIONS (mm)		WEIGHT (Kg)*
	without projector	with projector		without projector	with projector		without projector	with projector	
FlashCut Twins 1515	3150x2160x1220	3150x3040x3024	1340	4200x2120x1220	4200x3000x3024	1560	4970x2120x1220	4970x3000x3024	1690
FlashCut Twins 3015	4880x2160x1220	4880x3040x3110	1890	7200x2120x1220	7200x3000x3110	2290	9470x2120x1220	9470x3000x3110	2490
FlashCut Twins 3020	4880x2660x1220	4880x3670x2980	2140	7200x2620x1220	7200x3630x2980	2490	9470x2620x1220	9470x3630x2980	2790

* without projectors

Subject to change without notice - January 2026 edition

The dimensions in the table refer to short-beam models. For the long beam, take into account a 200mm increase in width.

ATOM

HEADQUARTERS

ATOM ITALY

Atom Cutting s.p.a. Via Morosini, 6 - 27029 Vigevano - PV - Italy – T +39 0381 3021 – info.atom@atom.it – www.atom.it