

HELIOS PLUS

High speed automatic textile laser cutting machine by Matic

TECHNICAL SPECIFICATIONS

- Fully automatic laser cutter
- Available widths: 3,3 m and 5 m
- Cutting length: 3,3 m
- Cutting speed: up to 1.5 linear meter per second
- Laser power: 120 W - air cooled (no maintenance)
- Scanning speed: up to 1m per second
- Conforms to the CE safety regulations

FEATURES

- Laser power adjustable according to fabrics
- High speed conveyor belt system
- Scanning system in the cutting bridge
- Unassisted operation
- Motorized unwinding and edge control
- Intelligent software - compensates for shrinkage and cuts on size
- Versatile scanning system - will cut according to registration marks or by scanning a printed contour
- Self-alignment during the loading process of the roll
- Integrated smoke vacuum system
- Low cost of operation and maintenance
- Remote assistance for quick trouble shooting
- Safety barriers
- Extension table to pick up the cut pieces*
- Roll up device*

ADVANTAGES

- Dedicated to textile - this machine is designed and built with only fabric in mind, it handles fabric differently than multi-tool lasers.
- Unassisted operation - after loading, the machine will scan and cut a full roll of fabric without involving an operator.

- Full roll scanning capacity - super wide format prints can be read as a whole, even if their size is greater than the length of the table, before starting the cutting process. This ensures that the stretch or shrinkage factor is applied over the full file, and that the print is cut precisely on size and centered.
- Stays cleaner and free of debris - due to the fact, that it is cutting only fabric, the machine will not be dirty with debris from cutting boards, or woods and other rigid materials.
- Laser power is adjustable according to the different fabrics that are being cut, this means constant quality and no yellowing or burning of the edges.
- High speed conveyor belt system advances the fabric, keeps it flat, self-aligns the fabric, eliminate waves on the surface. This conveyor belt, and the way that the Helios Plus handles the fabric, is very unique.
- The scanning system speeds up the set-up process - the scanner will read the full width of the table while advancing. It is not reading individual dots one by one, but the full print as a whole. This process is done in less than 4 seconds, then the cutting will start.
- The scanning system is located in the bridge - this ensures that the fabric is in place on the table, and not moving, when the scanner reads it.
- The fabric will self-align when it is being fed on the conveyor belt. This ensures, that the fabric is always straight and flat on the table and that there are no waves.
- Low cost of operation and maintenance - there are no knives, blades or conveyor belt to replace.
- The engineers at Matic can access the machine remotely to help trouble shoot issues and help you solve them in minimal time.

*Optional