



LASER CUTTER XL-1600

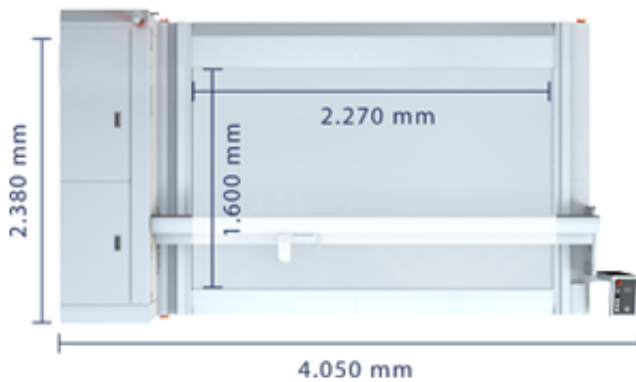
- the Cutting Experience!

The laser cutter size XL-1600 is the professional solution for the laser processing of various materials. With its modular concept and the easy handling it offers a future-oriented and efficient investment – just like all other Laser cutting systems. With cutting and engraving tests performed on your individual materials we determine in advance the optimal configuration of your laser cutter.

[GET INFO \(/contact/\)](/contact/)

or please call for your individual consulting!

+49 (0)4131 / 9697 - 500



Technical specifications of the Laser Cutter XL-1600:

Working area (w x l):	2,270 mm x 1,600 mm (89.4" x 63")
Dimensions (w x l x h):	4,050 mm x 2,380 mm x 1,530 mm (159.5" x 93.7" x 60.2")
Max. material width:	2,550 mm (100.0")
Material clearance:	58 - 80 mm (according to material support)
Laser power:	60 to 600 watt
Laser source:	CO ₂
Speed:	1 - 1,414 mm/s (in steps of 1 mm)
Acceleration:	max. 9.1 m/s ² (358"/s ²)

The Laser Cutter XL-1600 is also available with Conveyor System for textiles processing.

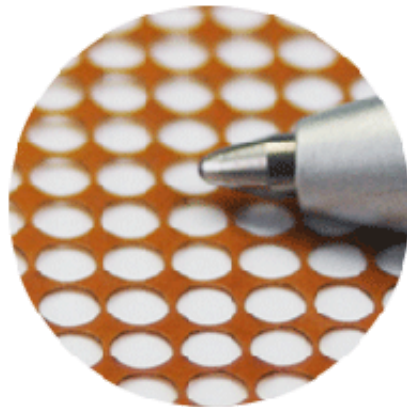


[\(/laser-systems/system-automation/conveyor-system/\)](/laser-systems/system-automation/conveyor-system/)

Which options do we offer you?

The modular design enables eurolaser systems to be specially configured to suit every requirement. We analyze your requirements and configure the laser system individually for you. The usage of eurolaser laser machines enables you to process a wide range of materials, such as cutting of plastics, foams, textiles, adhesive foils, wood, acrylic, composite materials and much more. We are pleased to run a cutting test in our Application Center by using your individual material.

Subsequently, you will receive a detailed test report in order to identify how your material was cut and engraved with our laser machines. adhesive foils, wood, acrylic, composite materials and much more. We are pleased to run a cutting test in our Application Center by using your individual material. Subsequently, you will receive a detailed test report in order to identify how your material was cut and engraved with our laser machines.



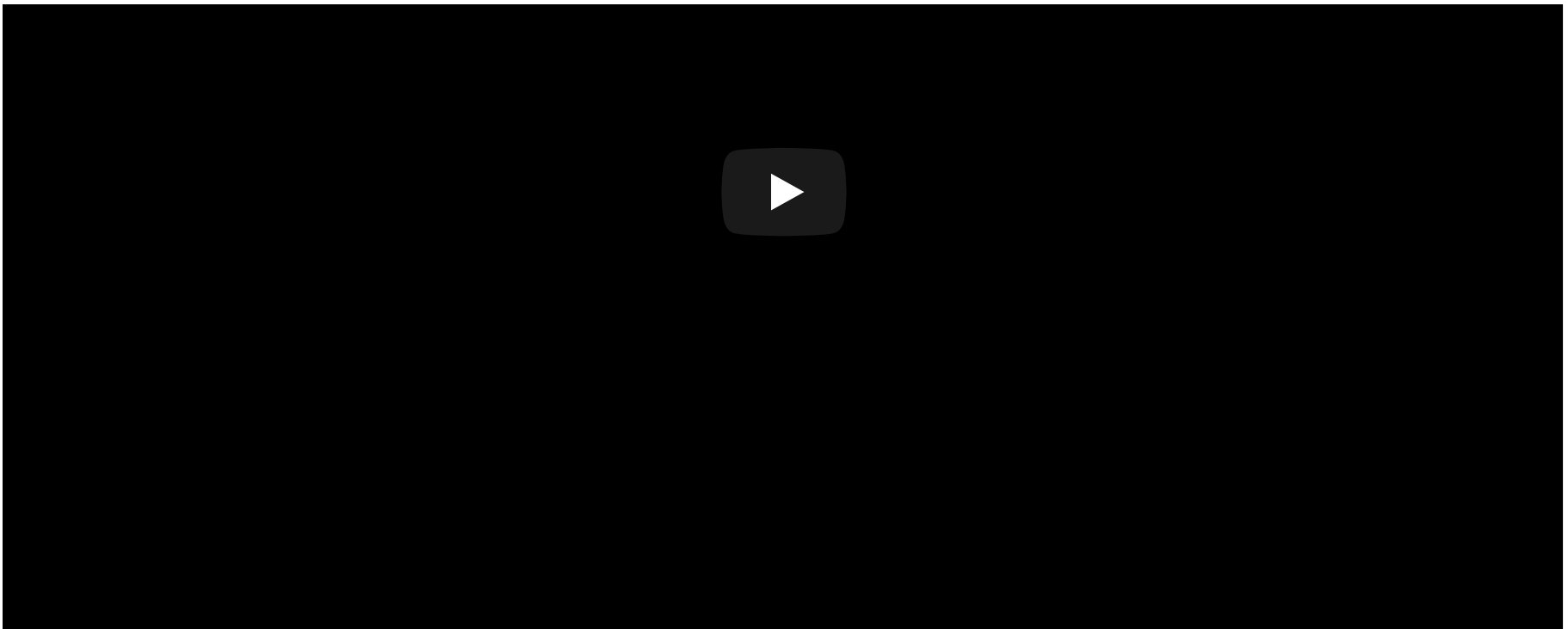
Filigree cuts



Clear cut edges



Engravings



Automated processes for your laser machine

Higher productivity, more economical working - save time and money



[\(/laser-systems/system-automation/remote-operation/\)](/laser-systems/system-automation/remote-operation/)

Remote Operation (/laser-systems/system-automation/remote-operation/)

The software-controlled division of the work area allows laser system operation on alternate sides. This enables production to be continued on the opposite side while removing and reloading material.

more >



[\(/laser-systems/system-automation/conveyor-system/\)](/laser-systems/system-automation/conveyor-system/)

Conveyor System (/laser-systems/system-automation/conveyor-system/)

By using this automatic material feed, textiles can be fed for laser cutting directly from the roll and routed after laser cutting directly to a table extension. With a high degree of connecting accuracy after a material feed cycle, sections, which for all practical purposes are endless, can be produced.

The bale material is fed via an automatic feeding unit. An feeding system edge controller ensures accurate positioning of the material. There is even an option to add a winding unit to the Conveyor System. This is used for the even winding of previously processed textiles and this accordingly results in a completely automated cutting process.

more >

Optional extras

Customized options simplify everyday tasks and increase your possibilities



[\(/laser-systems/system-options/optical-recognition-system/\)](/laser-systems/system-options/optical-recognition-system/)

POSITIONplus - Optical Recognition System (/laser-systems/system-options/optical-recognition-system/)

Automatic camera detection enables printed materials to be cut out precisely along the printed outline. Even copying tolerances in the printed format can be compensated by software control.

more >



[\(/laser-systems/system-options/mechanical-material-processing/\)](/laser-systems/system-options/mechanical-material-processing/)

Mechanical Machining (/laser-systems/system-options/mechanical-material-processing/)

Mechanical tool heads can be installed parallel to the laser, giving you the option to use tools such as milling cutters or knives. A valuable extension to your machining options with just one system technology.

more >



[\(/laser-systems/system-options/raster-engraving-unit/\)](/laser-systems/system-options/raster-engraving-unit/)

PICTUREplus - Raster Engraving Unit (/laser-systems/system-options/raster-engraving-unit/)

This optional equipment allows machining of image files and production of both 2D-images and 3D-reliefs. Engraving is possible with a resolution of up to 1200 dpi and in 256 shades of grey.

more >



[\(/applications/packaging/\)](/applications/packaging/)

Dieboard processing possible (/applications/packaging/)

Cut with constantly high accuracy from 1 pt to 6 pts. Focus your cutting with the box cut process. At the same time, less material vaporizes, which means fewer emissions and therefore more costeffective extraction and filter systems.

more >



[\(/laser-systems/system-components/extraction-and-filter-concepts/\)](/laser-systems/system-components/extraction-and-filter-concepts/)

Exhaust and filter units (/laser-systems/system-components/extraction-and-filter-concepts/)

Suction devices are selected to match your application and the table concept of your laser system. This guarantees complete emission extraction above and below the material.

more >



[\(/laser-systems/system-components/cooling-unit/\)](/laser-systems/system-components/cooling-unit/)

Cooling units (/laser-systems/system-components/cooling-unit/)

The high-quality energy efficient cooling units are fitted with electronic temperature controllers and monitoring systems, so that they always control ideal conditions for laser beam sources, in order to guarantee constant performance.

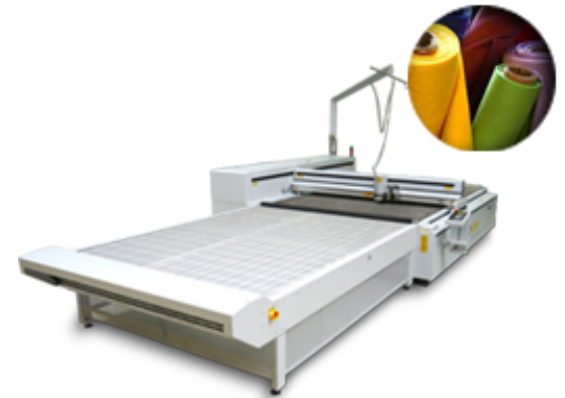
more >



(/laser-systems/laser-systems-for-acrylic/xl-1600-acrylic/) **Laser Cutter XL-1600 for acrylic**
(/laser-systems/laser-systems-for-acrylic/xl-1600-acrylic/)



(/laser-systems/laser-systems-for-wood/xl-1600-wood/) **Laser Cutter XL-1600 for wood**
(/laser-systems/laser-systems-for-wood/xl-1600-wood/)



(/laser-systems/laser-systems-for-textiles/xl-1600-textile/) **Laser Cutter XL-1600 for textile**
(/laser-systems/laser-systems-for-textiles/xl-1600-textile/)

Please call for your individual consulting!

[GET INFO \(/contact/\)](/contact/)

[Laser Systems \(/laser-systems/laser-systems-at-a-glance/\)](/laser-systems/laser-systems-at-a-glance/)

[Options \(/laser-systems/system-options/\)](/laser-systems/system-options/)

[Suitable Materials \(/materials/\)](/materials/)



E-Mail address:

Newsletter language:

I have read and accepted the [privacy policy. \(/privacy-policy/\)](/privacy-policy/)

Subscribe to the Newsletter

- » [M-800 \(/laser-systems/laser-systems-at-a-glance/m-800/\)](/laser-systems/laser-systems-at-a-glance/m-800/)
- » [M-1200 \(/laser-systems/laser-systems-at-a-glance/m-1200/\)](/laser-systems/laser-systems-at-a-glance/m-1200/)
- » [M-1600 \(/laser-systems/laser-systems-at-a-glance/m-1600/\)](/laser-systems/laser-systems-at-a-glance/m-1600/)
- » [L-1200 \(/laser-systems/laser-systems-at-a-glance/l-1200/\)](/laser-systems/laser-systems-at-a-glance/l-1200/)
- » [L-3200 \(/laser-systems/laser-systems-at-a-glance/l-3200/\)](/laser-systems/laser-systems-at-a-glance/l-3200/)
- » [XL-1200 \(/laser-systems/laser-systems-at-a-glance/xl-1200/\)](/laser-systems/laser-systems-at-a-glance/xl-1200/)
- » [XL-1600 \(/laser-systems/laser-systems-at-a-glance/xl-1600/\)](/laser-systems/laser-systems-at-a-glance/xl-1600/)
- » [XL-3200 \(/laser-systems/laser-systems-at-a-glance/xl-3200/\)](/laser-systems/laser-systems-at-a-glance/xl-3200/)
- » [2XL-3200 \(/laser-systems/laser-systems-at-a-glance/2xl-3200/\)](/laser-systems/laser-systems-at-a-glance/2xl-3200/)
- » [3XL-3200 \(/laser-systems/laser-systems-at-a-glance/3xl-3200/\)](/laser-systems/laser-systems-at-a-glance/3xl-3200/)
- » [QuickMark \(/laser-systems/laser-systems-at-a-glance/quickmark/\)](/laser-systems/laser-systems-at-a-glance/quickmark/)

- » [Shuttle Table System \(/laser-systems/system-automation/shuttle-table-system/\)](/laser-systems/system-automation/shuttle-table-system/)
- » [Conveyor System \(/laser-systems/system-automation/conveyor-system/\)](/laser-systems/system-automation/conveyor-system/)
- » [Remote Operation \(/laser-systems/system-automation/remote-operation/\)](/laser-systems/system-automation/remote-operation/)
- » [POSITIONplus \(/laser-systems/system-options/optical-recognition-system/\)](/laser-systems/system-options/optical-recognition-system/)
- » [Mechanical Machining \(/laser-systems/system-options/mechanical-material-processing/\)](/laser-systems/system-options/mechanical-material-processing/)
- » [PICTUREplus \(/laser-systems/system-options/raster-engraving-unit/\)](/laser-systems/system-options/raster-engraving-unit/)
- » [360° Extraction System \(/laser-systems/system-components/extraction-technology/\)](/laser-systems/system-components/extraction-technology/)

- » [Table Concepts \(/laser-systems/system-components/table-concepts/\)](/laser-systems/system-components/table-concepts/)
- » [Filter Units \(/laser-systems/system-components/extraction-and-filter-concepts/\)](/laser-systems/system-components/extraction-and-filter-concepts/)
- » [Cooling Units \(/laser-systems/system-components/cooling-unit/\)](/laser-systems/system-components/cooling-unit/)
- » [Software \(/laser-systems/software/\)](/laser-systems/software/)
- » [Services \(/customer-service/\)](/customer-service/)

- » [Acrylic \(/materials/acrylic-pmma/\)](/materials/acrylic-pmma/)
- » [Wood \(/materials/wood/\)](/materials/wood/)
- » [Textiles \(/materials/textiles/\)](/materials/textiles/)
- » [Plastic Foils \(/materials/plastic-foils/\)](/materials/plastic-foils/)
- » [Plywood \(/materials/plywood/\)](/materials/plywood/)
- » [MDF \(/materials/mdf/\)](/materials/mdf/)
- » [Leather \(/materials/leather/\)](/materials/leather/)
- » [Polyester \(/materials/polyester-pes/\)](/materials/polyester-pes/)
- » [Polycarbonate \(/materials/polycarbonate-pc/\)](/materials/polycarbonate-pc/)
- » [PET and PET-G \(/materials/pet-petg/\)](/materials/pet-petg/)
- » [Material Overview \(/materials/\)](/materials/)
- » [Application Overview \(/applications/\)](/applications/)
- » [Samples Overview \(/applications/samples/\)](/applications/samples/)