The technology of SP1500

Working area:	1500 x 1250 mm
Overall dimensions (W x D x H):	2850 x 2200 x 1300 mm
Material size:	1700 x 1600 mm
Material height:	185 mm
Laser power:	60 W - 400 W „sealed-Off " CO2 Laser
Max. processing speed:	165 cm/sec.
Weight:	1300 kg (depending on laser power)
Precision:	+/- 0,1 mm
Addressable accuracy:	Encoder +/- 0,001 mm
Static repeat accuracy:	<+/- 15 µm
Software:	JobControl™ Expert, TroCAM CAD/CAM software or i-cut® Control via Trotec printer driver or HPGL

Trotec laser – developed and built in Austria

Send us your materials and samples: Our application engineers support you in looking for the optimal laser system for you.

A COMPANY OF THE trotec GROUP

trotec®
laser. marking cutting engraving

High productive laser cutting systems

SP1500

www.troteclaser.com.my

Highest productivity and
lowest maintenance costs
Working area 1500 x 1250 mm
Up to 400 Watt laser power

ISO 14001 trotec Taking Responsibility

LH™ Your Smart Choice!

LH MACHINERY TRADING (001944949-W)
No.9, Jalan Bukit Permai Utama 3, Taman Industri Bukit Permai, Cheras, 56100 Kuala Lumpur.
Tel: +603-4297 6626, +603-4297 6627 H/P: +6012-3062247, +6012-3168163
Fax: +603-4297 6623 Website: www.lhmachinery.com Email: sales@lhtech.com.my

A simple calculation

Profitability

Raise your profits with SP1500 from Trotec!

The SP1500 to the most profitable laser cutting and engraving system in its class. It combines highest productivity, a working area of a standard acrylic sheet size, highest system life span and lowest maintenance costs.

First-class components

The individual components like motion system, optics, electronics, working head and laser source feature highest quality and performance. The proven InPack-Technology™ protects all valuable components from dust and gases and ensures a long-term reliability and trouble-free operation. SP1500 stands for top quality with minimum maintenance. The base frame weighs 900 kgs and offers a robust, stable working area for laser cutting and engraving.

Professional CAD/CAM software

The CAD/CAM software TroCAM is best for obtaining excellent cutting results. Only the SP1500 is equipped with professional CAD/CAM software. Benefit from functions like correction of cutting width, different lead-in/lead out paths, material database and many more.

Standard

Trotec IPC – Intelligent Path Control™
This new laser control module allows the dynamic adjustment of speed and acceleration depending on the cutting path. This reduces processing time and increases the cutting results.

Air-flushed optics
All optics are air-flushed, providing for maintenance-free operation and long life.

Enclosed working cabin
The SP1500 has a unique housing design and meets the requirements of laser safety class 2. You will not need a special design to protect your employees, or a laser safety officer. As an added benefit, the self-contained system allows dust to be efficiently evacuated.

JobControl™ Expert Software
Supports you perfectly in handling your cutting and engraving jobs. The laser software supports you with many useful and intelligent functions that make your work easier:
For example Job Time Calculator, add marker or bi-directional communication.

Lenses 2.5 and 5.0 inch
For flexible material processing with maximum quality.

InPack-Technology™
A fully enclosed working cabin combined with our patented InPack-Technology™ ensures an optimum of protection for dust- and gas-intensive applications. This guarantees a higher life expectancy and minimum maintenance costs.

Cutting table
With the cutting table system the SP1500 is configured to process thicker materials. Material support on low reflection anodized aluminum plates (may be replaced by acrylic plates)

Standard

Options

Extraction on working head

Flame-polished cut of acrylics up to 40 mm

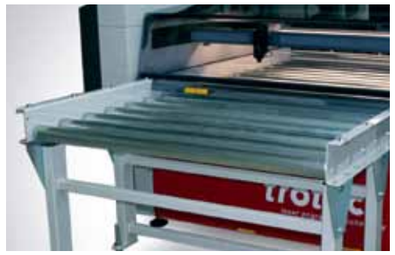
Extraction on working head
An extraction hose is mounted directly on the working head and removes dust and smoke from the material surface during processing.

Gas kit
Select between two gases for processing (e.g. compressed air, N2). Reduces flame-up, improves dust dispersal and also protects the lens. Activation and deactivation are controlled by the JobControl® software.

i-Cut® Vision System
Extremely precise registration mark recording and cutting-path compensation system. With the aid of registration marks, it recognizes distortions in printed materials and adjusts the cutting path dynamically.

Vacuum table
Thin and light materials that tend to lie unevenly on the base can be engraved, cut or marked in combination with the vacuum table.

Cutting table



Heavy-load table

Exhaust systems
The exhaust system evacuates dust and vapors created when operating the laser. The exhaust system guarantees an uninterrupted, safe and reliable laser operation for many years to come. Trotec offers a wide variety of suction systems—from simple ventilators to high-tech filter systems.

Lens 7.5 inch
For perfect results when cutting thick materials.

Heavy-Load Table
The heavy-load table for SP1500 has been developed to carry heavy objects like monuments, tombstones, natural stone, marble and granite plates, tiles, etc. up to 50 kg and 120 mm in height. With this new laser engraver option Trotec is the only supplier of a heavy-load table combined with laser safety class 2.

Options