SISTEM Print Solution

Golden Laser

LASER DIE CUTTING SYSTEMS

Sheet-fed · cutting on the fly

LC-8060

Sheet-fed Laser Die Cutter

Continuous sheet feeding and laser cutting on the fly — stable, efficient and die-free.



The LC-8060 is a sheet-fed laser converting system that loads sheets continuously and cuts them on the fly. A steel conveyor carries each sheet under the laser with no stop-start delay between sheets, while the vision system recognises jobs automatically. It eliminates the cost and lead time of making dies — ideal for short-run labels, custom-shaped cards, prototypes, packaging and cartons.

800×600 mm	**±0.1 mm**	**150–600 W**	**On the fly**
Max cutting area (customisable)	Cutting accuracy and cut-to-print registration	CO_2 RF laser power	Continuous feeding, no stop between sheets

SISTEM Print Solution

SISTEM Print Solution doo

Patrijarha Rajačića 36, 21205 Sremski Karlovci

+381 61 163 77 82 · office@sistemps.com · www.sistemps.com

Request a quote

DIGITAL SHEET-FED DIE CUTTING

A complete digital production line for sheets — from feeder to stack.

Sheets are loaded continuously from a liftable platform and carried by a steel conveyor through the laser, which cuts on the fly. The vision system recognises each job automatically for quick changeovers and easy operation, so the line responds rapidly to customer orders.

Stackers, part extraction and pick-and-place robots can be added for full automation from in-feed to sorting. Machine body colours can be customised.

BENEFITS

- Increased productivity
- Tool-free, defect-free cutting
- No layout limitations
- Lower scrap material costs
- Job reloads in minutes
- Consistent, repeatable cut-to-print registration

KEY FEATURES

01

Quick turnover

No die fabrication, maintenance or storage — ideal for short runs and just-in-time orders.

02

Precision cutting

Complex geometry and superior quality that conventional die cutting cannot replicate.

03

Multiple processes in one run

Full cutting, kiss-cutting, perforating, micro-perforating, engraving, marking and creasing.

04

Vision system — cut to print

Cameras or sensors register printed marks and pre-cut shapes for 0.1 mm cut-to-print registration.

05

Unlimited cutting path

The galvo beam moves in any direction — rounded or square corners and shaped labels, cut smoothly.

06

Intelligent software

In-house algorithms constantly adapt laser speed to each graphic to improve accuracy.

07

PC workstation

Manage all laser station parameters and optimise layout for maximum sheet yield.

08

Digital workflow

Pattern changeover is as simple as opening a file — no downtime and no setup.

09

Modular design

A wide range of options automates and adapts the system to each converting requirement.

SISTEM Print Solution

SISTEM Print Solution doo
Patrijarha Rajačića 36, 21205 Sremski Karlovci
+381 61 163 77 82 · office@sistemps.com · www.sistemps.com

Request a quote

HOW IT WORKS

1. **Automatic loading**
   Liftable platform feeds sheets continuously
2. **Conveying & recognition**
   Steel conveyor; vision system recognises the job
3. **Cutting on the fly**
   Cut, kiss-cut, perforate or crease without stopping
4. **Collection**
   Automatic collection, adjustable to sheet size

TECHNICAL SPECIFICATIONS

Model	**LC-8060**
Design type	**Sheet-fed, continuous feeding with cutting on the fly**
Laser type	**CO_2 RF laser**
Laser power	**150 W / 200 W / 300 W / 600 W**
Max cutting width	**600 mm** Customisable
Max cutting length	**800 mm** Customisable
Cutting accuracy	**±0.1 mm**
Laser beam positioning	**Galvanometer**
Recognition	**Automatic, vision system / registration sensors** Bar code reader optional
Cutting die	**Not required**
Sheet transport	**Steel conveyor, no stop-start between sheets**
Dimensions (L×W×H)	**4.47 × 2.1 × 1.95 m**

MODULES & CONFIGURATION

Automatic feeding module
Loading with a liftable platform for continuous, stable feeding

Vision & registration
Camera or sensors register print and pre-cut shapes, 0.1 mm cut-to-print

Bar code reader
Optional — variable print processing and on-the-fly job change

Laser cutting module
Single, dual or multi-head lasers, chosen by throughput and material

Collecting module
Automatic collection with a range adjustable to the sheet size

Custom finish
Machine body colours available to order

SISTEM Print Solution

SISTEM Print Solution doo
Patrijarha Rajačića 36, 21205 Sremski Karlovci
+381 61 163 77 82 · office@sistemps.com · www.sistemps.com

Request a quote

OPTIONAL CONVERTING MODULES

- Single, dual or multiple laser cutting modules
- Lamination station
- Camera system
- Part extraction module
- Pick-and-place robots
- Multiple working areas
- Bar code reading — on-the-fly job change
- Waste collector or conveyor for through-cut
- Stacking unit

APPLICABLE MATERIALS

Glossy paper · Coated paper · Self-adhesive paper · Kraft paper · Fluorescent paper · Pearlescent paper · Cardstock · PET · BOPP · PP · Plastics · Vinyl · Foils · Leather · Fabric

APPLICATION FIELDS

Labels · Printing & packaging · RFID · Automotive · Membrane switches · Abrasives · Industrial · Gaskets · Flexible circuitry

APPLICATIONS









Sticker sheets, folding-carton packaging, gift boxes and PVC/PET packaging.

Find the right configuration for your production.

Our specialists will help you choose laser power, working area and automation level for your application.

Request a quote

Due to continuous product improvement, appearance, specifications and dimensions may change without notice. Application photos are illustrative.

SISTEM Print Solution

SISTEM Print Solution doo
Patrijarha Rajačića 36, 21205 Sremski Karlovci
+381 61 163 77 82 · office@sistemps.com · www.sistemps.com

Request a quote