

The new automatic
EXACT LASER CUTTING SYSTEM
for flexo plates



Versions

EXACT 42x60

EXACT 50x80

Engraving Capabilities

Extreme Precision

Speed and Efficiency

Repeatability

Safety

Product page



EXACT Laser Cutting System



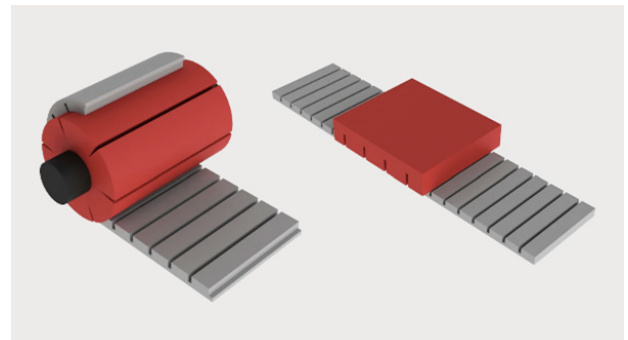
The EXACT Flexo Plate Laser Cutting & Engraving system by AV Flexologic is the pinnacle of innovation in the flexographic printing industry. Designed to replace traditional knife-based cutting systems, the EXACT brings unmatched precision, speed, and efficiency, ensuring your business stays ahead in a competitive market.

- Laser Cutting flexo plates: Achieve unparalleled precision and consistency in cutting flexo plates.
- Optional Engraving: engrave QR codes, text, etc on the back or front of plates for plate identification
- High Speed & Accuracy
- Clean cuts / edges



Linear motors option

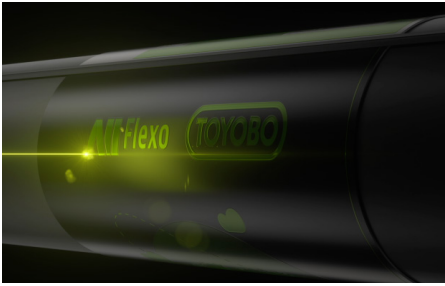
The EXACT can be upgraded with a linear motor system, offering **smoother control** for **high-precision applications** compared to standard belt drives.



Advantages

EXACT Laser Cutting System delivers consistent **high quality results** by employing lasers, ensuring **precise edges** without the presence of burrs or residual cuttings from knives or plates in the printing process.

Laser technology enables **faster cutting speeds** than knife-based devices, overcoming blade breakage limitations and eliminating the need for vertical movements to change direction.



Engraving Capabilities

The EXACT is able to laser-engage on the front or the back of the plate.

Usable in AV Flexologic plate mounters for plate ID verification.

Enables traceability of plates and plate usage.



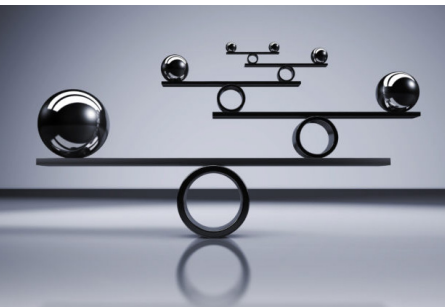
Full Enclosure for Added Safety

Lasers eliminate the risk of injury from sharp blades and reduce the risk of damage to the plates. The EXACT is also fully enclosed.



Image Recognition

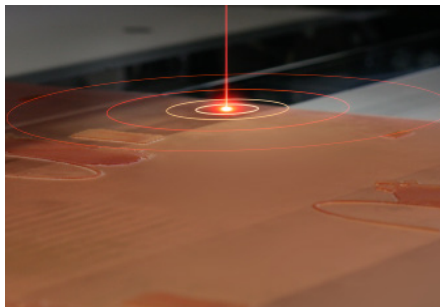
Defects and measures the positions of mounting marks to 'teach' the machine exactly how the plate is positioned, but also compensates for any distortion of the plate dimensions following the plate production process.



Consistency and Quality

Lasers provide consistent results, making it easier to produce high-quality plates consistently.

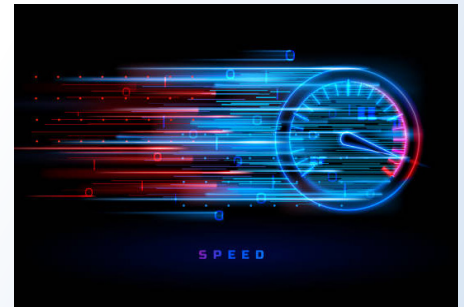
The Exact ensures unvarying results guaranteeing clean edges due to use of laser—no burring by knife or plate cut residues in the (printing) process.



Precision

Lasers provide precise cuts with a high level of accuracy, ensuring consistent cutting quality. The EXACT will cut flexo plates exactly to size and eliminate the need for post-trimming.

No bending or shifting of a cutting blade.



Speed & Efficiency

Fast Operation: Lasers operate at higher speeds without the mechanical limitations of knives, ensuring faster production cycles.

Automation: Integrates seamlessly with workflow automation systems like ESKO, Hybrid, and Kodak.



Sustainability

Energy Efficient: No vacuum system required, reducing energy consumption.



Versatility

Engraving Capabilities: Can engrave on both sides of the plate for enhanced traceability and plate ID verification.

Multiple Versions: Available in sizes to meet diverse operational needs.

Engraving option

The **engraving option** on the EXACT offers a versatile and advanced method for **adding detailed markings to flexo plates**. This feature enhances the machine's functionality, enabling it to not only cut but also **engrave precise, high-quality graphics** directly onto the plates. This capability is particularly beneficial for **creating unique identifiers, intricate patterns, or specific textual information** on the plates, which can aid in **tracking, quality control, and alignment** during the printing process.

Key aspects of the engraving option include:

- **Precision and Detail:** the laser engraving technology allows for fine and detailed work, producing crisp and clear engravings.
- **Versatility in Design:** it can handle a wide range of engraving designs, from simple text and logos to more complex and intricate graphics.
- **Enhanced Plate Functionality:** engravings can serve various purposes, such as alignment markers or identification tags, adding functional value to the plates.
- **Durability of Engravings:** The laser engraving is permanent and resistant to wear, ensuring that the engravings remain legible over the plate's lifespan.
- **Efficient Process:** The engraving option integrates seamlessly into the plate processing workflow, maintaining efficiency without additional operator handling or significant additional processing time.



Energy & sustainability

No vacuum system is needed to hold the plate down since the laser does not introduce force into the plate

Workflow automation

Streamline your workflow with this system compatible with ESKO, Hybrid, and Kodak systems.

Operator independent

Free from reliance on operator intervention. Explore unparalleled automation and reliability for seamless production, setting new standards in the industry.

Quality assurance with image recognition

Leveraging advanced image recognition for quality assurance, ensuring consistently accurate results without compromise.

Higher Cutting Speed

Reduce production time and increase throughput.

Minimal Downtime

Less maintenance and no blade changes mean more operational hours.

Reduced Waste

Precise cuts mean fewer rejected plates and lower material costs.

Key specifications

Cutting speed	33 mm/s
Engraving resolution	100 DPI
Power requirement	16 A 400 V

Available sizes

The EXACT Laser Cutting System is available in two size:

42x60 Model	101.6 cm x 154.4 cm
50x80 Model	127 cm x 203.2 cm



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AV Flexologic Care

Explore AV Flexologic Care Packages that provides you support even after the warranty expires.

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Training videos	●	●	●
Free remote support	●	●	●
Spare parts 15 % discount	●	●	●
24/5 assistance		●	
24/7 assistance			●
Software upgrades		●	●
Yearly maintenance visit		●	●
Extended warranty parts & labour			●
Dashboard*			●
24/7 support			●

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We create an account for you in our support portal 'Freshdesk'. You can always create a ticket when you log into your account.



Send an email to **support@flexologic.nl**.

By sending your email, a ticket is automatically created in our system, and we will provide support as soon as possible.



Visit our website at **www.flexologic.nl/support** and fill in the contact form.

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What happens next?

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For additional information about Support & Service, visit our website: www.flexologic.nl/support

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