

trotec

E Line.

All a Laser Cutter Needs



Why E Line?

Focused on the essentials. Ready to grow with you.

Professional-grade results, simple operation, and a workflow built to help you move faster.

The E340 provides everything you really need to start laser cutting with confidence: proven Trotec engineering, robust build quality, seamless Ruby® workflow, OptiMotion™ automation, and flexible service options. Designed for growing businesses, educators, makers, and print & signage companies, it delivers high-quality results at an attractive entry level price.

Meet the E340 — Professional performance without complexity

- Reliable, low maintenance build
- Laser software Ruby® Essential included
- Clean, fast cuts with OptiMotion™
- Professional quality at a competitive price



Reliable performance made simple

The E340 delivers dependable cutting and engraving quality supported by a robust mechanical design and OptiMotion™ for clean, consistent results. It is built for everyday workloads across signage, education and creative applications — without unnecessary complexity.

Connected smart solution

Hardware, Ruby® software and intelligent system electronics work together as a unified, connected solution. Automated checks and real-time status information help avoid errors, support stable operation and keep your laser running reliably day after day.

Streamlined workflow Ruby® Essential

Ruby® Essential brings design, job preparation and machine control together in one intuitive workflow. This reduces steps, minimises errors and keeps your production flow efficient from the first job onwards.

Flexible service and support

The E340 starts at an attractive entry price, and you can extend your package with training, support and spare-parts coverage as your business grows. You only pay for what you need, while knowing that expert Trotec assistance is always available when required.

Introducing the E Line

Print / Signage / Display: Perfect print-to-cut results — every time



You produce accurate results with less waste, because we streamline your print-to-cut workflow with reliable cutting performance and intelligent Ruby® automation.

- **Faster setup and reduced manual work**, as OptiMotion™ removes the need for adjusting multiple speed parameters.
- **Reliable, continuous production** with the connected Ruby® Essential workflow that keeps jobs flowing and minimizes interruptions.
- **Consistent, repeatable output**, allowing you to deliver high-quality display elements with less scrap and rework.

Schools / Universities / FabLabs: Maximum learning time. Minimum troubleshooting.



You gain more productive hands-on time, since we reduce training effort and downtime with an easy, safe system that lets users — including students — work independently.

- **More teaching time, less troubleshooting** thanks to Ruby® Essential and the 5" HMI, which reduce operator errors and allow students to work independently.
- **Reliable performance throughout the semester**, supported by Trotec's proven quality and low-maintenance design that minimizes classroom interruptions.
- **Flexible support options** so schools can start cost-efficiently and add training or spare-parts services only when needed.

Personalization: Turn ideas into products — with reliability and repeatability



You create high-quality products more efficiently, thanks to our RF laser, OptiMotion™ cutting performance, and Ruby® Essential tools that minimize setup effort and manual steps while you grow your craft or business.

- **Finer engraving detail and smooth edges**, powered by Trotec RF laser and OptiMotion™, ensuring high-quality creative results.
- **Faster, simpler preparation for small-series work**, thanks to Ruby® Essential streamlining design, setup, and batch handling.
- **Scalable support as your craft grows**, letting you start cost-efficiently and add Trotec training, service, and spare-parts options only when needed.

What can you make with an E340?

Trotec E Line customers, spanning diverse industries, manufacture a broad spectrum of products.

The E340 gives you everything you need to produce high-quality results across a wide range of applications. With proven core technologies, a robust build, Ruby® laser software, and strong price-performance value, the E340 grows with your business — whether you work in print, education, or creative production.



Deliver flawless printed display elements your customers can rely on.



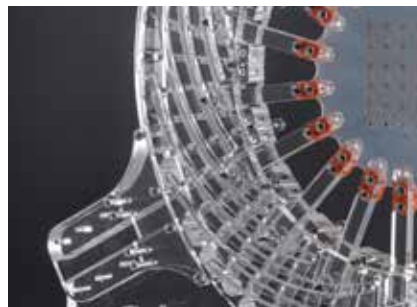
Offer clean, professional signage that enhances any environment.



Elevate your customer's brand with premium, polished acrylic lettering.



Bring ideas to life with detailed models that support creative exploration.



Advance student projects with reliable, precision-made components.



Empower learning with accurately cut parts for hands-on STEM work.



Create unique statement pieces your customers will love to wear.



Inspire memorable gifts with finely engraved, customizable designs.



Produce personalized accessories that add value to your product line.

What materials can you engrave or cut?

The system can process cutting and engraving of acrylics, woods, textiles, paper and so much more. Scan or follow the link to get the full list of materials.



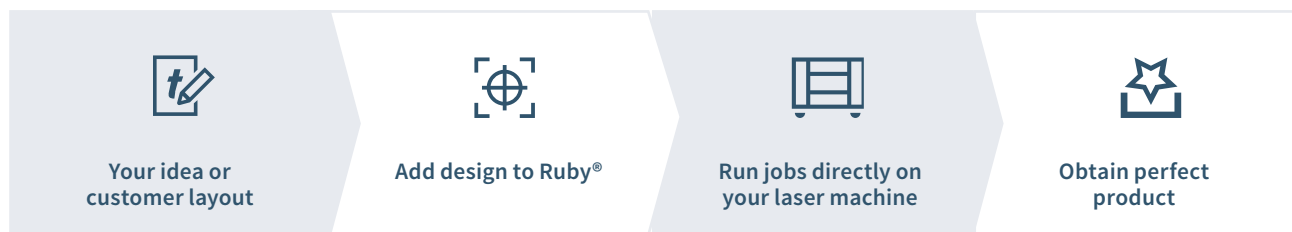
products.troteclaser.com/material-list

	Engrave/Mark	Cut
	CO ₂	CO ₂
Metal		
Aluminum anodized	✓	
Acrylics transparent	✓	✓
Acrylics colored	✓	✓
Glass transparent	✓	
Glass colored	✓	
Mirror		
Ceramics		
Plastic sheets	✓	✓
Leather	✓	✓
Paper white	✓	✓
Paper colored	✓	✓
Cardboard	✓	✓
Plastics	✓	✓
Stone	✓	
Fabric	✓	✓
Wood	✓	✓
Cork	✓	✓
Food	✓	✓

Laser Efficiency with Ruby[®] Essential Software.

Ruby[®] Essential laser software is your ultimate tool for efficient laser operation. No need to open customers' layouts separately.

Drag and drop designs into Ruby[®] Essential, regardless of your graphic program's version. Separate design and preparation from production. While the laser works on current jobs, prep the next ones. Accessible from PC, Mac, tablet, or mobile, whether you're right by the machine or anywhere within your network.



Ruby[®] Essential – Work smarter, produce faster

Ruby[®] Essential transforms the way you prepare, manage, and execute laser jobs. By combining design, job preparation, and machine control into one intuitive platform, it eliminates unnecessary steps and keeps every workflow clear and efficient. Whether you're producing signage, student prototypes, creative products, or print-to-cut jobs, Ruby[®] Essential ensures that work flows smoothly - from idea to finished part.

One connected platform for every user

Ruby[®] Essential integrates the entire laser ecosystem into a single interface: the laser system, exhaust, materials settings, maintenance checks, and job management. This centralized control reduces operator effort and ensures consistent performance, even for beginners. Automated system monitoring provides real-time information on filter status, extraction power, temperature, and machine safety - ensuring uninterrupted production and fewer surprises.

Fast setup, fewer errors, smoother workflow

Ruby[®] Essential eliminates the need to bounce between design tools, print drivers, and machine interfaces. Users import files directly, prepare them visually, assign materials, and send jobs to the laser in one go. Smart automation - such as material presets, job queueing, and intelligent error prevention - reduces setup time and helps deliver predictable, high-quality results.

Reliability and quality built in

When paired with Trotec's motion control technologies, Ruby[®] Essential unlocks the full performance of the E340. OptiMotion™ automatically adapts cutting speed to geometry, giving users perfectly smooth curves and clean edges without manually adjusting parameters. With the optional Vision Print&Cut system, Ruby[®] Essential ensures reliable registration for contour-cutting printed signs, reducing scrap and avoiding costly reprints.

Accessible, intuitive, and easy to learn

Ruby[®] Essential is built for all skill levels. Its clean interface and guided workflow make it simple for first-time users—whether they're students, creators, or new staff in a busy production environment. The software reduces training effort, minimizes handling errors, and helps teams work independently with confidence.

Flexible support that grows with you

Every E340 comes with the freedom to scale your support and training options. Start lean with the standard package, or add Trotec's trusted training, hotline, and parts services whenever needed. Ruby's clear workflows and connected system help reduce the need for service interventions, while optional support packages ensure you always get help when you choose.



products.troteclaser.com/ruby

Features, options and accessories of E Line.

Rotary engraving equipment: Achieve reliable engravings on cylindrical, round, or conical objects with our rotary engraving attachment.

Vision Print&Cut: A camera with the ability to detect registration marks ensures the reliable and efficient cutting of materials adorned with printed graphics or designs.

Focus lens: E340 comes with a 2 inch focus lens, optimized for reliable all-round performance across common engraving and cutting applications.

Automatic focusing: Automatically raises the worktable until the material interrupts the light beam, ensuring the laser is positioned at the correct focus point without manual adjustment.

Laser pointer: The laser pointer indicates the exact impact point of the laser beam on the material with a red dot.

Working tables: E340 includes a combined aluminum slat and honeycomb cutting table. Both fit precisely as one unit and can be separated for individual use when needed.

Air assist: The integrated pump protects the lens by preventing dust from adhering to it.

Exhaust systems: Trotec's Atmos exhaust systems efficiently remove dust and fumes, making them the ideal companion for E Line lasers.

CE certificate: Our machines meet all official requirements, ensuring safe operation.

E340 RF

CO₂

Working area (W x D)	875 x 580 mm 34.4 x 22.8 in
Max. height ¹ of workpiece	225 mm 8,9 in
Loading area (W x D)	991 x 691 mm 39 x 27,2 in
Overall dimensions (W x D x H)	1520 x 1205 x 1115 mm 59.8 x 47.5 x 43.9 in
Max. processing speed	1,2 m/s 47,2 ips
Max. acceleration	25 m/s ² 984.3 ips ²
Technology motion system	Hybrid servo motors
Laser power CO ₂	Sealed-off RF CO ₂ laser 60 W
Cooling	Air-cooled
Laser class	2
Weight ²	Approx. 275 kg 606.3 lbs
Power consumption	1 ~ AC 110-230 V, 50/60 Hz, 1000 W
Ruby® Essential laser software	●
Functions and Options	
Smart electronics	●
Tactile autofocus	●
Touch Panel	●
LED lighting	●
Air assist incl. integrated pump	●
2 years warranty	●
Vision Print&Cut	○
Rotary attachment	○
TroCare Maintenance	○
Table	
Aluminum slat table with honeycomb cutting tabletop	●
Lens	
2.0 inch CO ₂	●
Compatible exhaust systems	Atmos Pure 600 Vent

● Standard

○ Optional

¹ Depending on lens

² Depending on laser power

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