# trotec

# Speedy
## Laser Systems
### designed for profitability
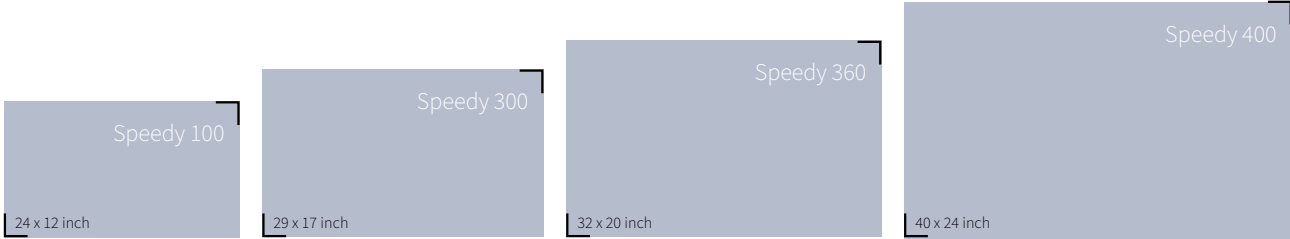
# The best of the best, now better than ever

Whether you are an entrepreneur new to laser engraving or a seasoned veteran looking to grow your business, Speedy laser systems can make you more profitable. Designed to help you grow your business, Speedy lasers offer maximum processing speeds of 170 inch/sec, making them the fastest and most productive laser machines on the market. The system's patented low-maintenance design encloses sensitive system critical components in a rugged housing, protecting them from dirt and dust, which significantly minimizes maintenance requirements, downtime and overall ownership costs.

Platform sizes range from 24 x 12 inches to 40 x 24 inches, and all are available with a $CO_2$ laser, a fiber laser, or with flexx technology that combines both laser sources in one system. The patented flexx function enables you to use both laser sources in one job without having to change the laser source, the lenses or the focus manually.



**Speedy 100** — 24 x 12 inch
**Speedy 300** — 29 x 17 inch
**Speedy 360** — 32 x 20 inch
**Speedy 400** — 40 x 24 inch

Speedy platform sizes from 24 x 12 inch up to 40 x 24 inch



**Speedy 100**
24 x 12 inch working area

**Speedy 300**
29 x 17 inch working area

## Productivity-boosting features



**Maximum engraving speed**
By processing at a maximum speed of 170 inch/sec and acceleration of 5g, Speedy laser systems are designed to increase your production capacity. Equip your Speedy with high laser power and outperform your competitors.

**Optimized working area**
All platforms are optimized to fit standard material sizes, so you will save time and money on pre-cutting, use more standard blanks per table and take advantage of the total working area.

**InPack Technology™**
To achieve the best engraving and cutting results, the axis must be in perfect working condition. InPack Technology™ protects the guide components against dust and debris, keeping the axis in working order and guaranteeing years of trouble-free processing even under intensive use.
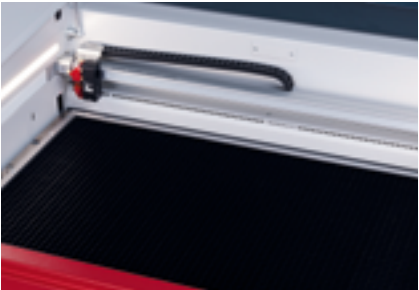
# Options to extend your capabilities



**Flexx technology™**
The Speedy flexx laser machines are equipped with both a $CO_2$ and a fiber laser. Depending on the material, the two laser sources are activated alternately, allowing you to perform endless applications in one process step. Each Speedy laser can be upgraded to flexx at any time.
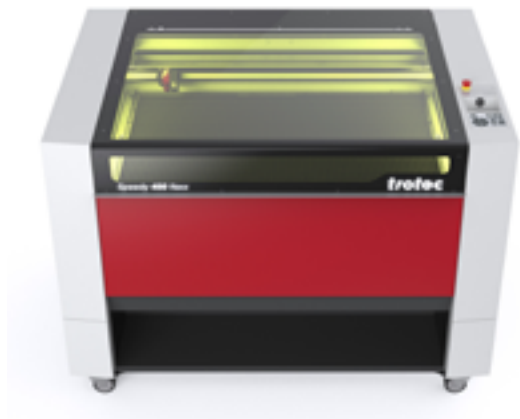
**Multifunctional table concept**
Speedy systems can be used with different tables, so you can quickly and easily select the ideal table for your application. You can choose between an engraving, vacuum or cutting table, an aluminum or acrylic cutting grid table and a honeycomb table top.

**The widest range of options**
You can start with the options you really need and let your Speedy grow with your business by adding options such as JobControl® Vision for Print&Cut applications, rotary attachment to engrave cylindrical workpieces, and various lenses, to name a few.
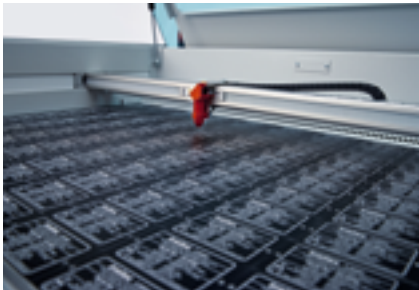


**Speedy 360**
32 x 20 inch working area

**Speedy 400**
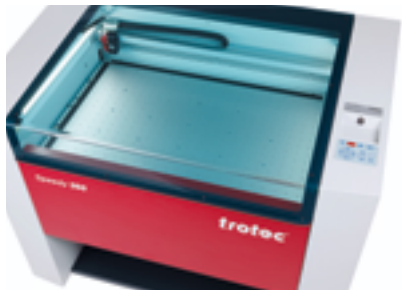40 x 24 inch working area

## Usability by design



**Trotec Ruby: laser software**
Ruby provides a fast, easy and seamless workflow-- enabling you to directly import files and cerate graphic, photo and text elements in one system-- ultimately allowing you to cut the time from idea to product in half. You can also use Ruby with your Mac, connect all your lasres with remote access, directly import SVG files and use hot folder import.

**Profitability by design**
The newest updates to our Speedy 100 and 300 models not only showcase a new design, but also increase product quality, productivity, and safety with features such as Optimotion for calcuating optimal speed parameters at the highest quality, and an intuitive new keypad and LED lighting for optimized comfort and usability.

**CeramiCore® technology:**
Speedy lasers are equipped with a new line of $CO_2$ laser sources from US-based manufacturer Iradion Laser, Inc. These 100% ceramic laser sources offer more benefits than glass or metal tubes, including a superior build, an extended lifetime, faster pulse rates, and a higher engraving quality.

# The Speedy Series

| | Speedy 100 | Speedy 300 | Speedy 360 | Speedy 400 |
|---|---|---|---|---|
| Available products | Speedy 100<br>Speedy 100 fiber*<br>Speedy 100 flexx | Speedy 300<br>Speedy 300 fiber*<br>Speedy 300 flexx | Speedy 360<br>Speedy 360 fiber<br>Speedy 360 flexx | Speedy 400<br>Speedy 400 flexx |
| Overall dimensions (WxDxH) | 38.7 x 29.1 x 39.1 | 44.4 x 35.9 x 41.5" | 48.1 x 31.1 x 41.5 inch | 55.4 x 37.8 x 42.1 inch |
| Working area | 24 x 12 inch | 29 x 17 inch | 32 x 20 inch | 40 x 24 inch |
| Max. height of workpiece | 6.7 inch | 7.9 inch | 11 inch | 12 inch |
| Max. processing speed<br>$CO_2$ laser<br>Fiber laser<br>Acceleration | 110 inch/sec<br>110 inch/sec<br>4g | 140 inch/sec<br>140 inch/sec<br>5g | 140 inch/sec<br>78.7 inch/sec<br>5g | 170 inch/sec<br>78.7 inch/sec<br>5g |
| Laser power<br>$CO_2$ laser<br>Fiber laser | 30 – 60 watts<br>10 – 30 watts | 30 – 120 watts<br>10 – 50 watts | 40 – 120 watts<br>10 – 50 watts | 40 – 120 watts<br>10 – 50 watts |
| Multifunctional table concept | | | • | • |
| Rotary attachment | • | • | • | • |
| Pass-Through option | | | | • |
| InPack Technology™ | • | • | • | • |
| JobControl® Vision | | • | • | • |
| Sonar Technology™ | | | • | • |

\* Special order only, may have longer lead times

## Materials for laser engraving and cutting

| | engrave | | | cut | | | mark | | |
|---|---|---|---|---|---|---|---|---|---|
| | $CO_2$ | fiber | flexx | $CO_2$ | fiber | flexx | $CO_2$ | fiber | flexx |
| Acrylic | • | | • | • | | • | | • | • |
| Aluminum* | | • | • | | • | • | | • | • |
| Anodized Aluminum* | • | • | • | | • | • | | • | • |
| Glass | • | | • | | | | | | |
| Fabric | • | | • | • | | • | | | |
| Laminates | • | | • | | | • | | • | • |
| Leather | • | | • | • | | • | | | |
| Metal* | | • | • | | • | • | | • | • |
| Paper | • | | • | • | | • | | | |
| Plastic | • | • | • | • | | • | | • | • |
| Stainless Steel* | | • | • | | • | • | | • | • |
| Stone | • | | • | | | | | | |
| Wood | • | | • | • | | • | | | |

The above mentioned metals can also be processed with a $CO_2$ laser. This requires an additional step and the use of consumables, such as laser marking ink.

\* Cutting metal films up to 0.5 mm (.0197 in.) thickness possible. Individual tests recommended.