

LS-Precess

The LS-Precess is a versatile and high performance laser module designed for high-precision laser drilling, cutting, and micromachining applications, where 0° taper is required. When coupled with a galvo scanner, the LS-Precess offers the advantage of a large scan field, making it ideal for demanding applications in mass production.

Perfect cut, simple, precise



LS-Precess

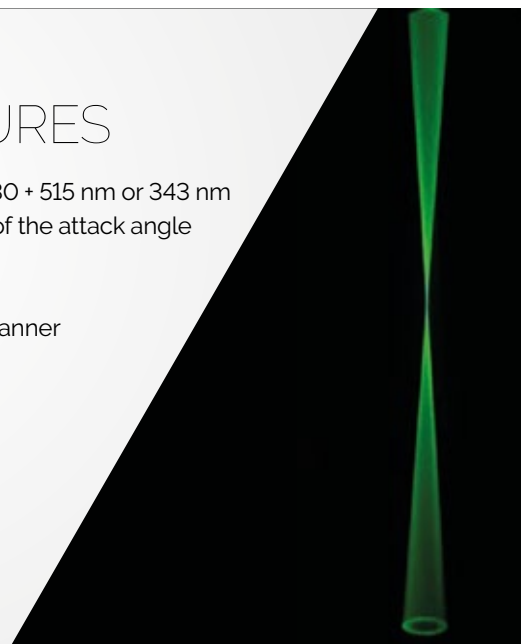
HIGHLIGHTS

One of the key features of the LS-Precess is its bypass functionality, which allows you to easily switch between standard and precession configurations. This makes it simple to adapt the module to your specific application needs, and ensures that you always have access to the right tool for the job.

The LS-Precess is engineered to deliver exceptional performance and precision, and is compatible with all ultra-short pulsed laser sources available on the market today. It is designed for use in high-precision laser drilling or cutting application to get 0° taper.

KEY FEATURES

- ▶ Dual wavelength 1030 + 515 nm or 343 nm
- ▶ High speed rotation of the attack angle
- ▶ By-pass function
- ▶ Easy to use
- ▶ Compatible with a scanner



375x293x160mm



25 kg

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Taper suppression

Depending on the laser power, process parameters, or the material, the taper suppression can be of:

- ▶ - ~ 5° to 7° with a 50 mm focusing objective
- ▶ - ~ 2° to 4° with a 100 mm focusing objective
- ▶ - ~ 1° to 3° with a 167 mm focusing objective

Scanning field

- ▶ 5x5 mm with a 50 mm focusing objective
- ▶ 20x20 mm with a 100 mm focusing objective
- ▶ 40x40 mm with a 167 mm focusing objective

Transmission

- ▶ Precession mode: 80% @1030 nm and 75% @515 nm
- ▶ By-pass mode: 90 %