



Hortech Company

PRODUCT CATALOGUE

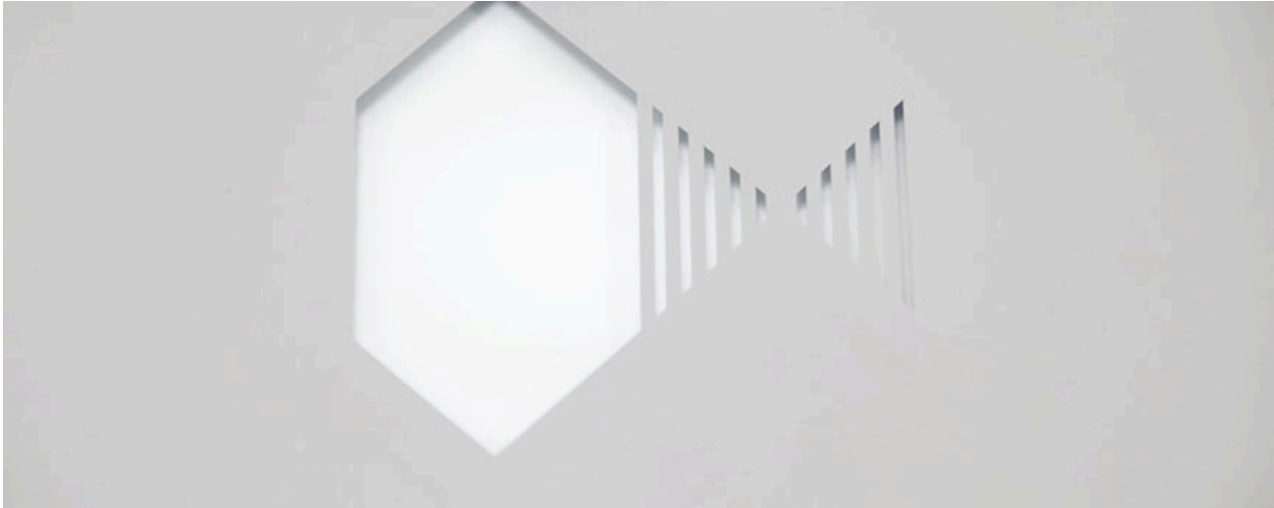
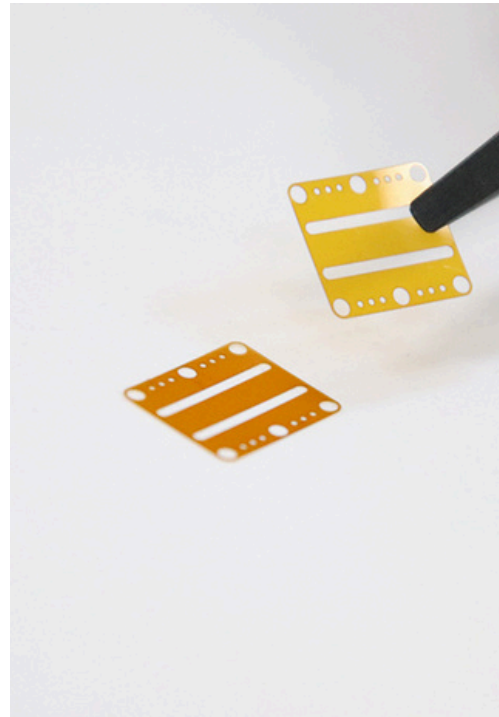
Diverse types of precision laser modules,
machines, & equipment





ABOUT US

Hortech Company is located at Hsinchu Science Park, Taiwan. It provides micron laser solutions, with a specialization in laser micro-etching, micro-drilling, and micro-cutting techniques. It provides custom design laser machines as well as OEM/ODM laser processing services.



Hortech has devoted itself to developing innovative laser machines and equipment with process optimization since 1995. Along with the modules or machines, we

provide detailed instructions and optional repairing and maintaining services. You may purchase 1-5 year warranty for your machine as a whole.



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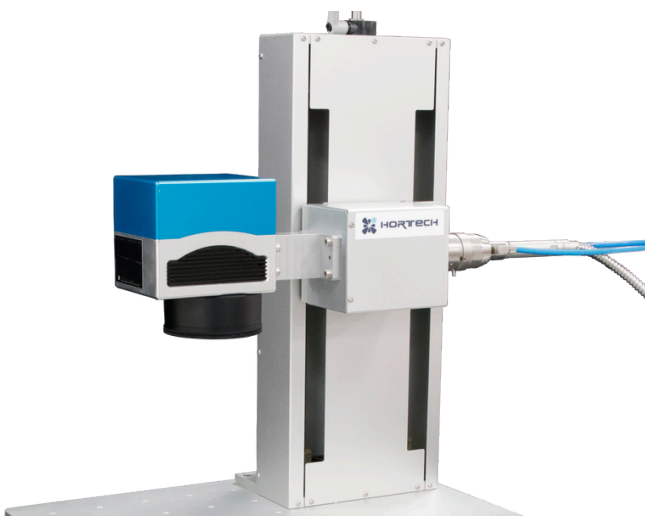
DESKTOP FIBER LASER ENGRAVING MODULE

Functions

- ✓ Patterns & characters engraving
- ✓ Engrave for cultural and innovative design
- ✓ Create unique, one-and-only products

Application Industries

Hardware accessories, plastics, education, stationery, dining



Specification

- ✓ Laser type: IR 1064 nm fiber laser 30W/50W
- ✓ Focusing type: Digital galvanometer scanner, laser beams 30-50 um
- ✓ Motion platform: Safety sealed package, fixed base, z-axis adjustable scope < 200 mm
- ✓ Working station with options: 20*20 mm, 50*50 mm, 100 mm*100 mm, 160*160 mm

Features

- ✓ Small size for easy relocation
- ✓ For small shops, studios, & galleries
- ✓ Can modify your designs



DESKTOP LASER ENGRAVING MACHINE

Functions

- ✔ Patterns & characters engraving on metal materials
- ✔ Engrave for cultural and innovative design
- ✔ Create unique, the one-and-only products

Application Industries

Hardware accessories, education, stationery, decoration, furniture



Specification

- ✔ Laser type with options: IR 1064 nm fiber laser 30W/50W, ns 532 nm < 8W green laser, ns 355 nm < 5W
- ✔ Focusing type: Digital galvanometer scanner, laser beams 10-50 um
- ✔ Motion platform: Safety sealed package, fixed base, z-axis adjustable scope < 200 mm
- ✔ Working station with options: 20*20 mm, 50*50 mm, 100 mm*100 mm, 160*160 mm

Features

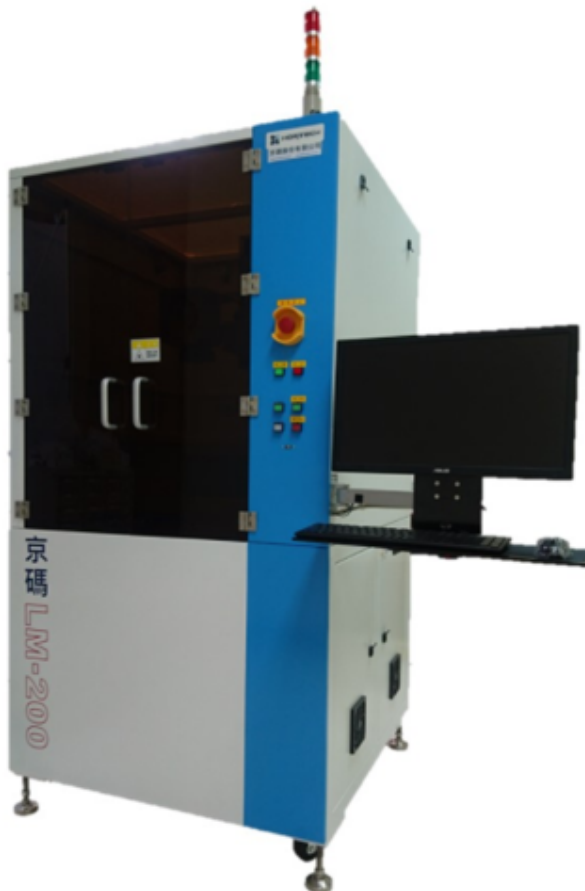
- ✔ Small size for easy relocation
- ✔ For small shops, studios, & galleries



LASER ENGRAVING MACHINE FOR INDUSTRIES

Functions

- ✓ Tracking by input coding & output serial numbers
- ✓ Build management records for production and quality control
- ✓ Create uniquenesses for each product or part



Specification

- ✓ Laser type with options: IR 1064 nm fiber laser 30W/50W, ns 532 nm < 8W green laser, ns 355 nm < 5W UV laser
- ✓ Focusing type: Digital galvanometer scanner, laser beams 10-50 um
- ✓ Motion platform: Safety sealed package, fixed base, XY axes ball screw 500*500 mm, z-axis ball screw 200 mm, AOI visual positioning
- ✓ Working station with options: 20*20 mm, 50*50 mm, 300 mm*300 mm

Application Industries

- ✓ Electronics, PCBs, automated production lines, factories, e-commerce items



LASER MICROMACHINING SYSTEM

Application Industries

- ✓ Circuit boards: Flexible boards, hard and flexible substrates
- ✓ Optoelectronics: PI flexible boards, PET



Specification

- ✓ Laser type with options: IR 1064 nm fiber laser 30W/50W, ns 532 nm < 8W green laser, ns 355 nm < 5W UV laser
- ✓ Focusing type: Digital galvanometer scanner, laser beams 10-50 um
- ✓ Motion platform: Safety sealed package, fixed granite base, XY linear motor 500*500 mm (repetitive precision +/- 5 um), z-axis ball screw 200 mm (repetitive precision +/- 2 um), AOI visual positioning
- ✓ Working station with optional galvo scanning system: 20*20 mm, 50*50 mm, 300 mm*300 mm

Features

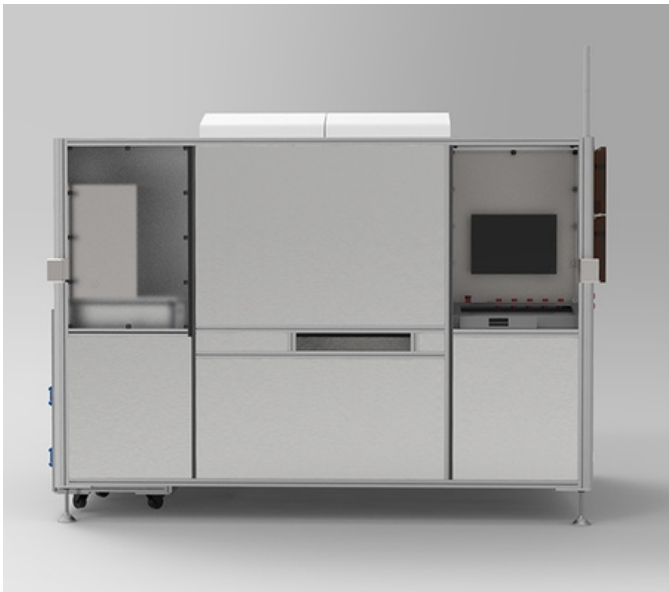
- ✓ The patented process optimization makes the cutting corner smooth
- ✓ The 3D scanning mode enables fast cutting according to the thickness of hoard and flexible boards



AUTOMATED LASER SYSTEM

Features

- ✔ Multi-sided laser etching for circuit patterns
- ✔ High-volume production with high yields



Specification

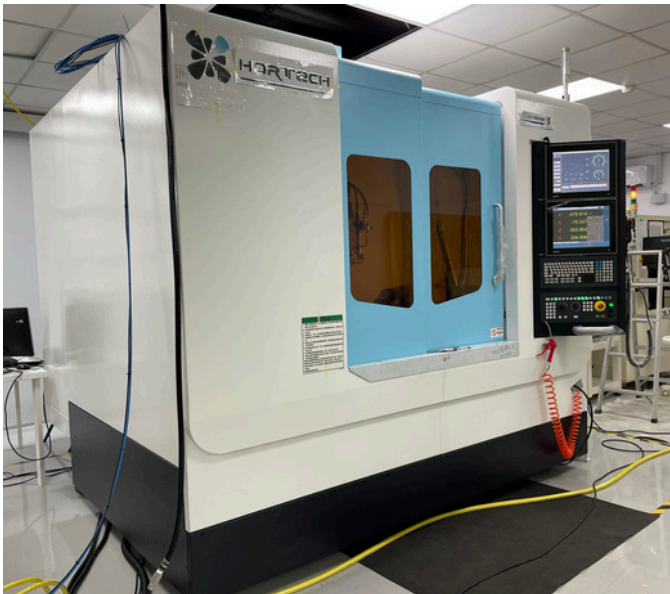
- ✔ Laser type with options: IR 1064 nm 10 ps laser 30W, 10 ps 532 nm < 10W green laser, <10 ps 355 nm < 5W UV laser
- ✔ Focusing type: Digital galvanometer scanner, laser beams 6-20 μm
- ✔ Motion platform: Safety sealed package, fixed granite base, XY air bearing linear motor 650*850 mm (repetitive precision +/- 2 μm), z-axis ball screw 200 mm (repetitive precision +/- 2 μm), AOI visual positioning, laser rangefinder (Height measurement)
- ✔ Working station with optional galvo scanning system: 20*20 mm, 50*50 mm, 500 mm*500 mm



WATERJET LASER SYSTEM

Features

- ✔ Long depth of field for cutting and drilling with high aspect ratio
- ✔ No thermal effects & dust-free
- ✔ Cold processing



Specification

- ✔ Laser type: ns green laser, water cooling
- ✔ Focusing type: Direct focuser head, size of laser drilling > 200 μm
- ✔ Motion platform with options: Ball screw motor or linear motor 500*500, > 800 mm, 1000 mm (repetitive precision +/- 2 μm), z-axis ball screw 300 mm (repetitive precision +/- 2 μm), AOI visual positioning
- ✔ Working station with optional Vacuum absorption platform or conventional CNC table



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