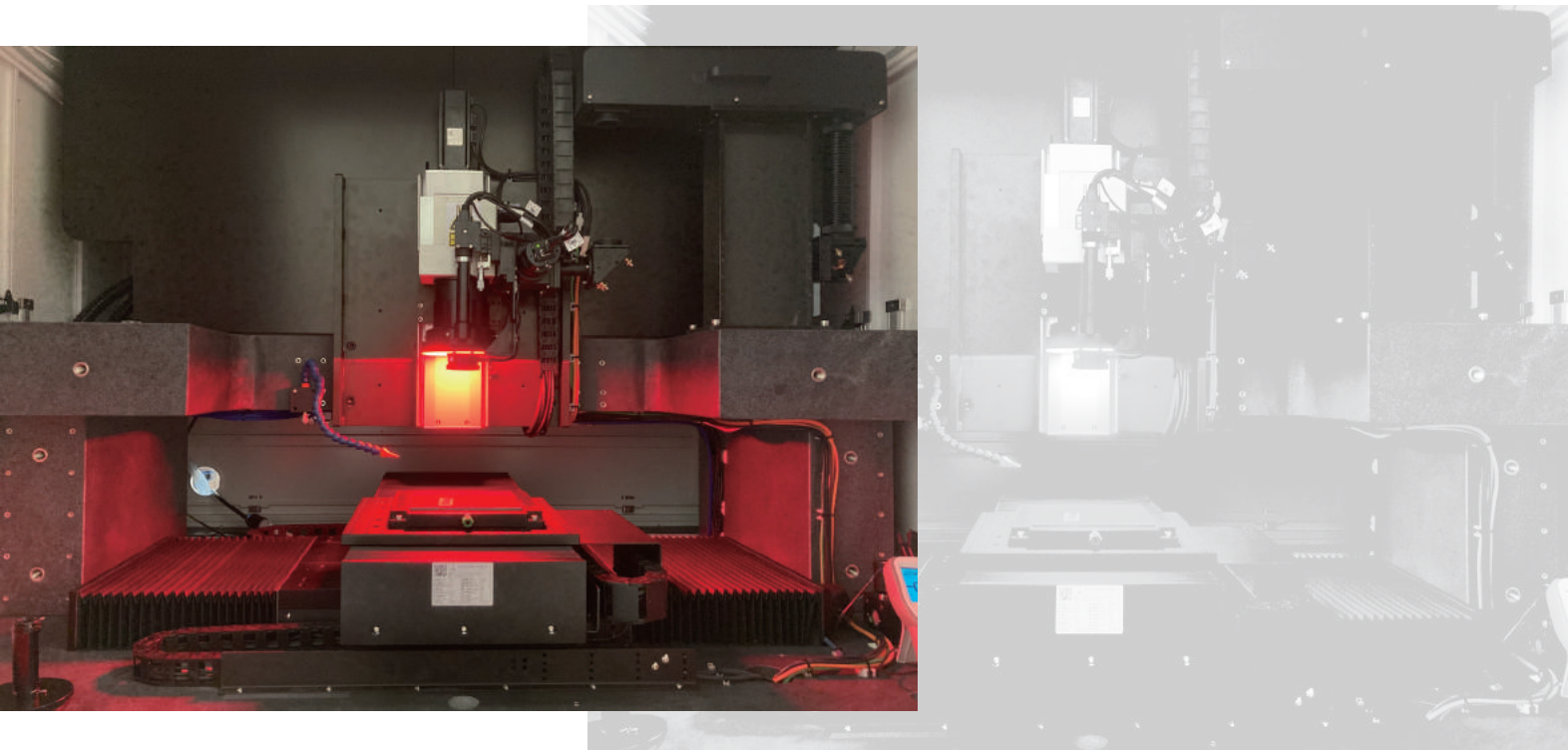


AOC3000

multifunction system





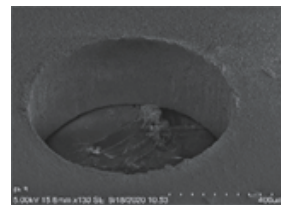
The multifunction system is designed for general purpose laser micromachining applications, the platform can be integrated with multiple lasers and laser wavelengths, as well as a variety of motion stage options. The system is designed to achieve and maintain high dimensional accuracy features, vision options either off axis or co-axial are available to ensure laser beam location and positioning accuracy.



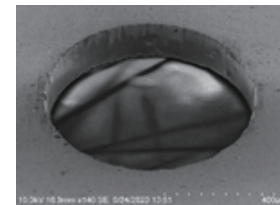
0.3mm thick sapphire cutting
with AOPico series



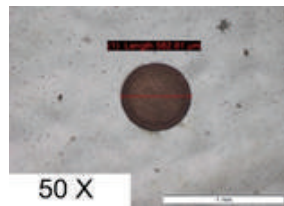
Silicon wafer cutting
with AOPico series



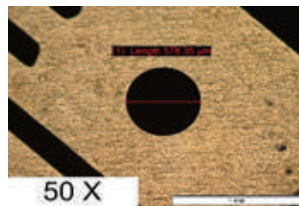
Ceramic drilling
with Picosecond IR laser



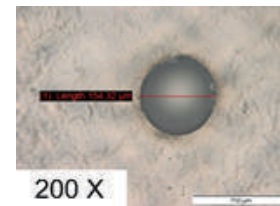
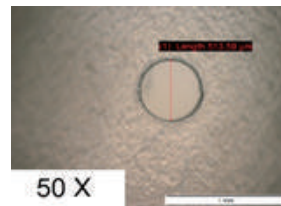
Stainless steel drilling
with Picosecond IR laser



Blind and through hole drilling on FPC
with AOPico series



500µm and 150µm hole drilling on silicone tube
with AOFemto series



Features

- High precision micromachining
- Ultrafast laser with Galvano scanner and motion stage
- Dual source options
- Coaxial vision systems

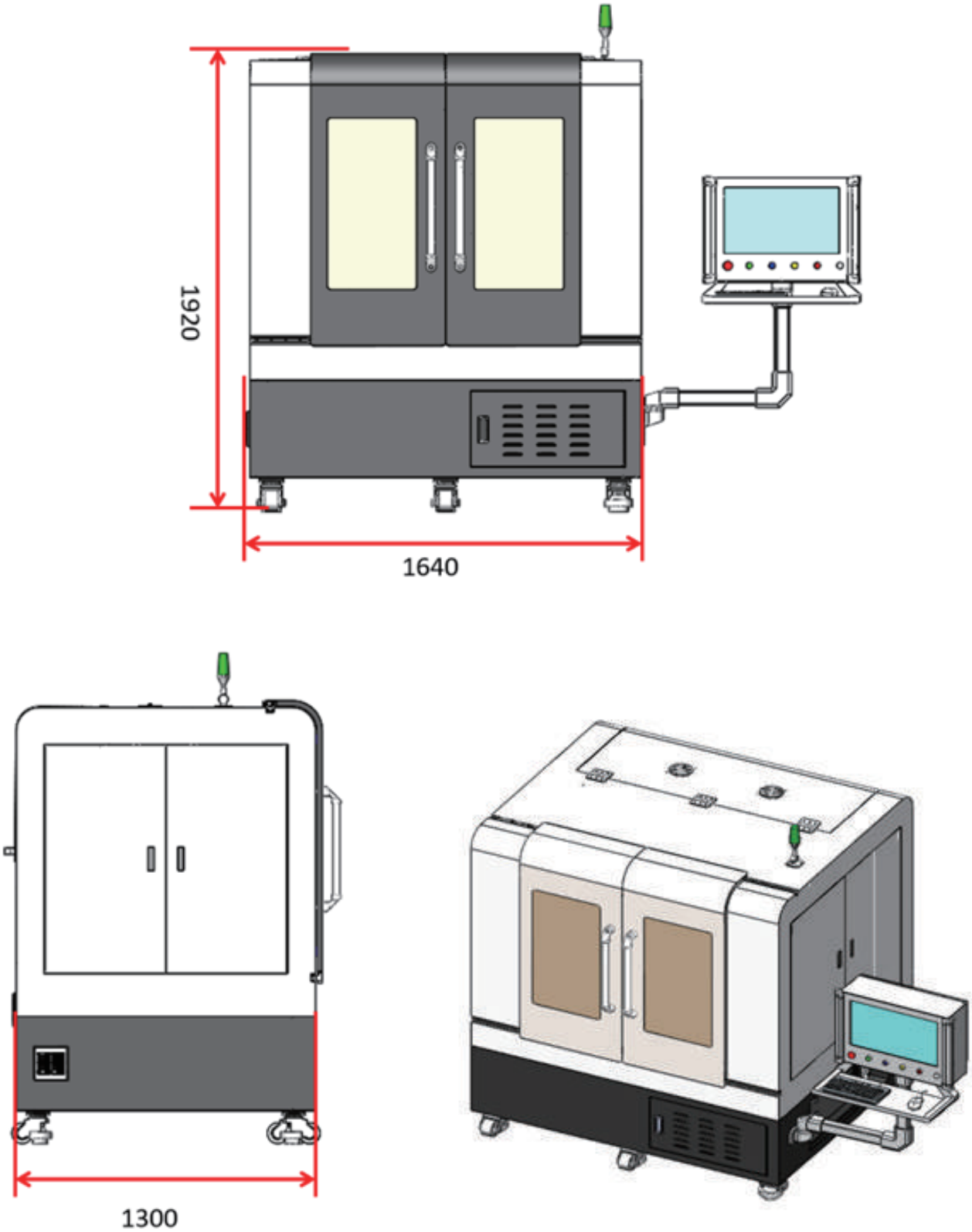


• AOFemto™ Series
(Industrial Femtosecond Lasers)



• AOPico™ Series
(Industrial Picosecond Lasers)

| SIZE & WEIGHT | AOC3000 Multifunction system |
|-------------------------------------|------------------------------|
| Depth | 1450mm (57 in.) |
| Height | 1950mm (76.8 in.) |
| Width | 1700mm (67.0 in.) |
| Weight | 4,630 lbs |
| AREA NECESSARY | |
| Depth | 2200mm (86.6 in.) |
| Width | 2400mm (94.5 in.) |
| Height | 3000mm (118 in.) |
| Area (m²) | 5.3 m² |
| PRECISION MODULE | |
| X/Y Axis travel (mm) | 400×400 mm |
| Drive | Linear motion drive |
| Maximum Acceleration (g) | 1.0 |
| Positioning Accuracy (mm) | ±0.003 |
| Repeatability Accuracy (mm) | ±0.001 |
| Z Axis travel (mm) | 200 mm (7.875 in.) |
| Positioning Accuracy (mm) | ±0.003 |
| Repeatability Accuracy (mm) | ±0.001 |
| ELECTRICITY | |
| Fuse | 32(A) |
| Nominal Voltage | 220V |
| Nominal Frequency | 50/60 Hz |
| PNEUMATIC PROVISION | |
| Compressed Air | 0.5-0.7 Pa |
| LASER SAFETY CLASS | |
| CDRH class 1 laser system enclosure | |





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