Laser Machine Tools Optimized for Medical Device Manufacturers

A line of turnkey laser tools provide marking, cutting, welding, drilling, and scribing processes optimized to the unique requirements of medical device manufacturers. They use lasers spanning the entire light spectrum in both high average power and high peak power configurations. Available wavelengths range from the far-infrared of the CO2 laser; the infrared wavelength of the Ytterbium fiber, ND:YVO4, and Nd:YAG lasers; the near infrared wavelength of the FAP laser; the green output of frequency-doubled solid-state lasers; and the UV output of the frequency-tripled vanadate laser. The available laser and optics configuration can provide the user with such unique performance features as laser marking that can withstand repeated autoclave cycles, small kerf-widths for precise laser shop cutting, and micro-processing with features as small as 1.0 micron.