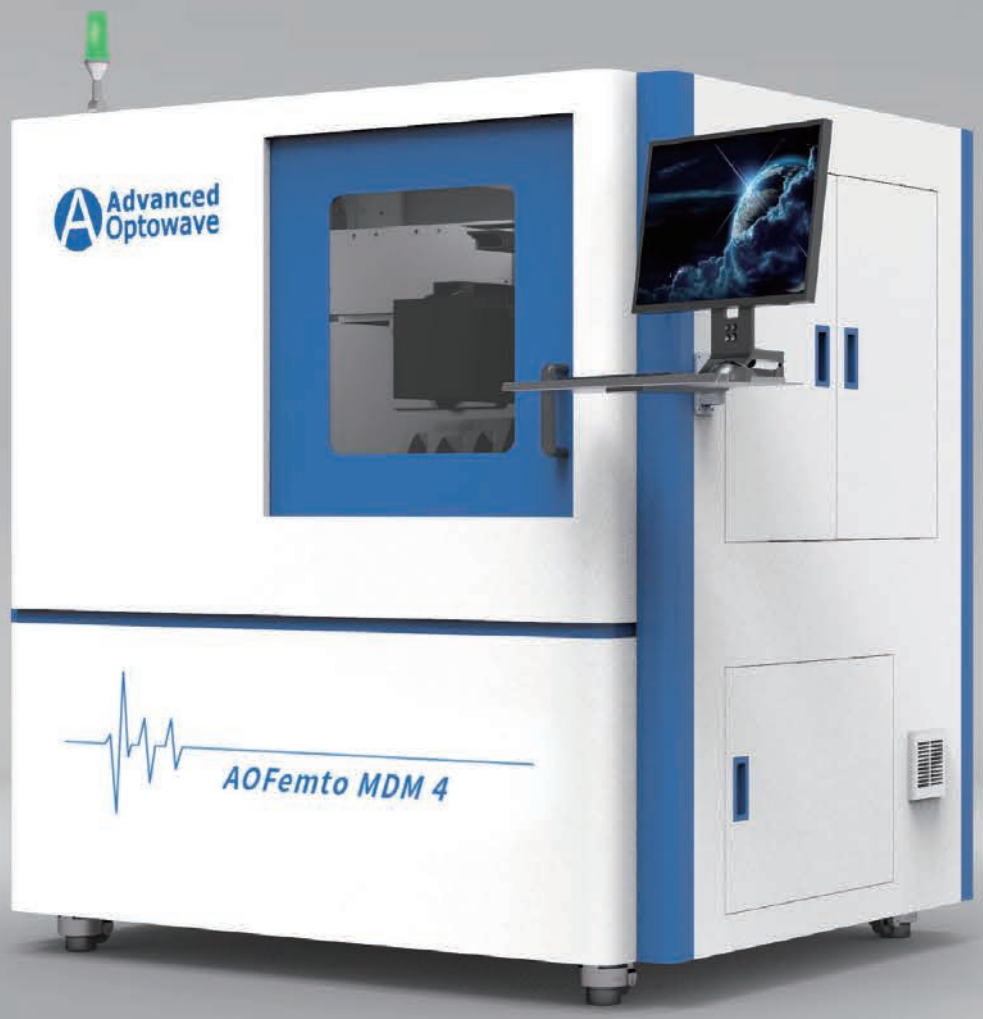
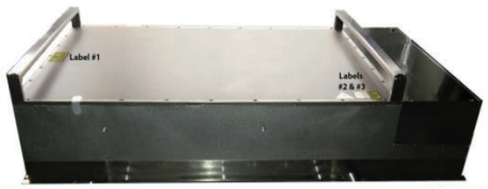
AOFemto-MDM-4

Stent Cutting System



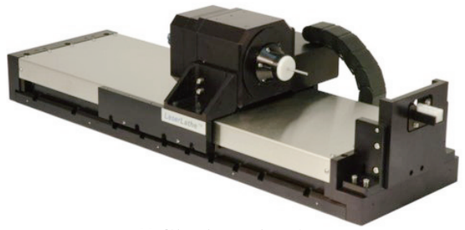
Advanced Optowave 英诺激光 INNO LASER

Laser



Ultrafast laser

Motion control

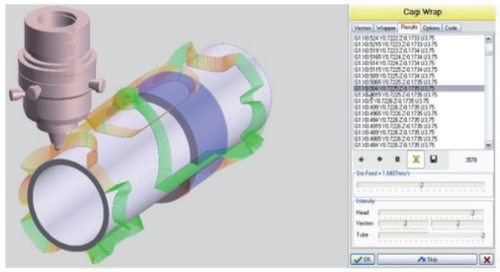


Multi-axis moving stages

Dual wavelength optical module

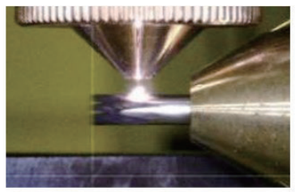
1030/515nm dual wavelength

Software



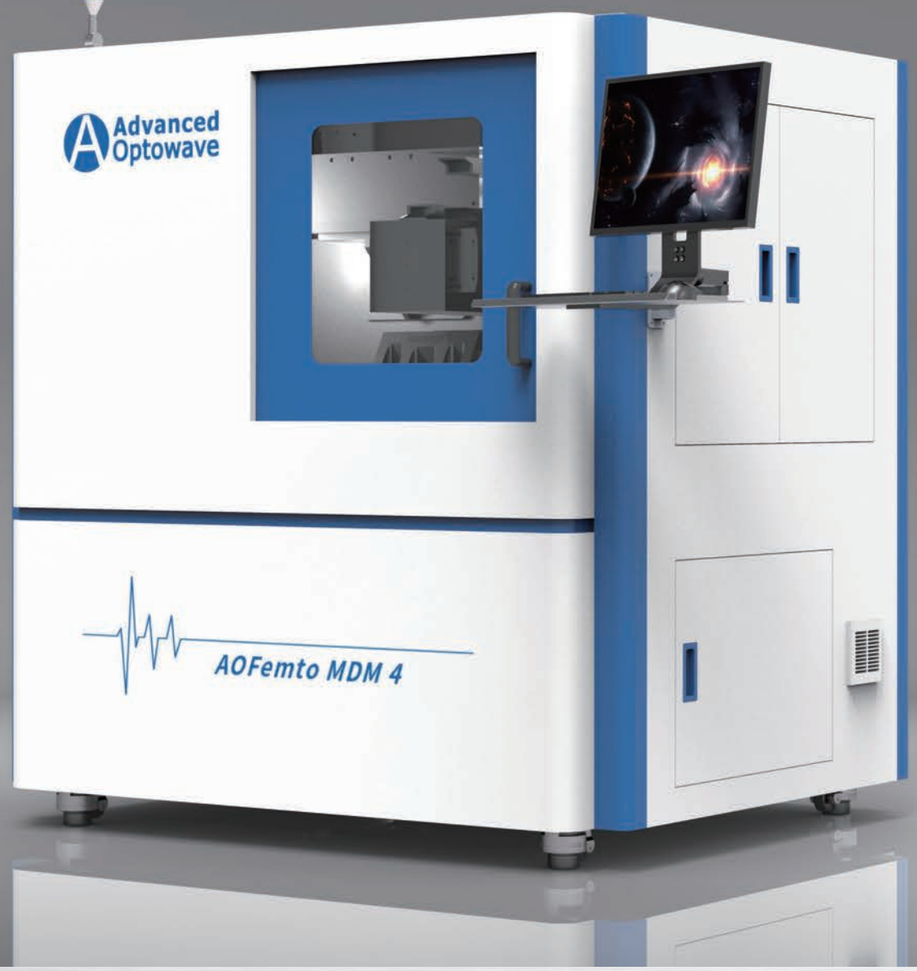
Cagila® CAM system

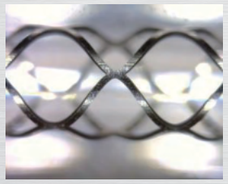
Machine vision

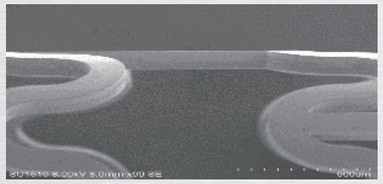


Vision system

- AOC AOFemto® femtosecond laser 1030/515nm, <800fs, 0~1MHz,
- >10W@1030, >5W@515nm
- IR/GR dual wavelength laser
- 4 synchronized axes, X/Y/Z/θ
- coaxial and paraxial vision
- Highly integrated Graphical User Interface (GUI), including laser control, motion control, machine vision, I/O
- NC programming Cagila®CAM system
- Wet cutting optional







SIZE & WEIGHT	AOFemto-MDM-4
Depth	1500mm (59 in.)
Height	1835mm (72.2 in.)
Width	1710mm (67.3 in.)
Weight	5950 lbs

AREA NECESSARY	
Depth	2000mm (78.7 in.)
Width	2210mm (87 in.)
Area (m^2)	7 m^2 include fume, vacuum, etc.

LASER Systems
AOFemto™-1030-515-10 femtosecond lasers

POSITIONING X LINEAR AXIS	
Travel range	200mm
Positioning accuracy	±1μm
Repeatability accuracy	±0.5μm
Max. speed	2000mm/s
Max. torque	197.2N

POSITIONING Y LINEAR AXIS	
Travel range	100mm
Positioning accuracy	±2μm
Repeatability accuracy	±1μm
Max. speed	500mm/s

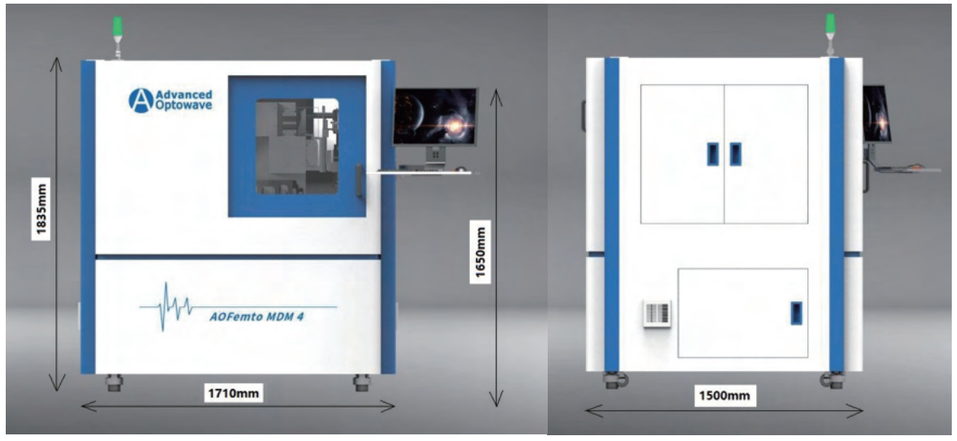
POSITIONING Z LINEAR AXIS	
Travel range	100mm
Positioning accuracy	±7μm
Repeatability accuracy	±0.5μm
Max. speed	20mm/s

POSITIONING ROTARY AXIS	
Travel range	360°
Positioning accuracy	±5''
Repeatability accuracy	±3''
Max. speed	300 RPM
Max. torque (Peak)	5.06N·m

ELECTRICITY	
Fuse	40(A)
Nominal voltage	3L+N+PE, 380VAC
Nominal frequency	50/60 Hz
Power input	9kW max

PNEUMATIC PROVISION	
Fume extractor and compressed air system	<1.5Mpa

LASER SAFETY CLASS
CDRH class 1 laser system enclosure



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