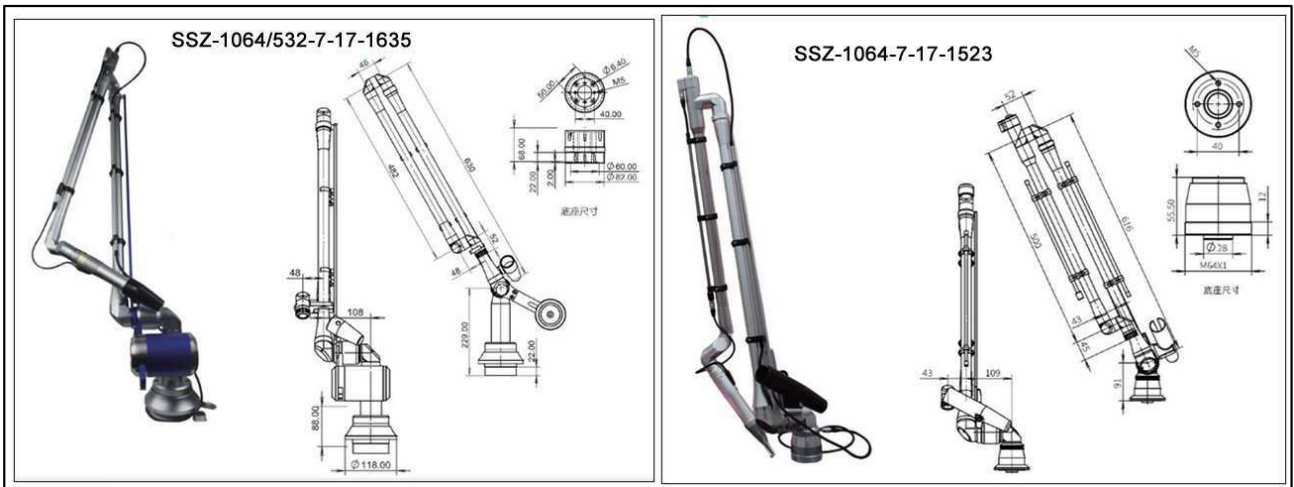


Articulated Arms

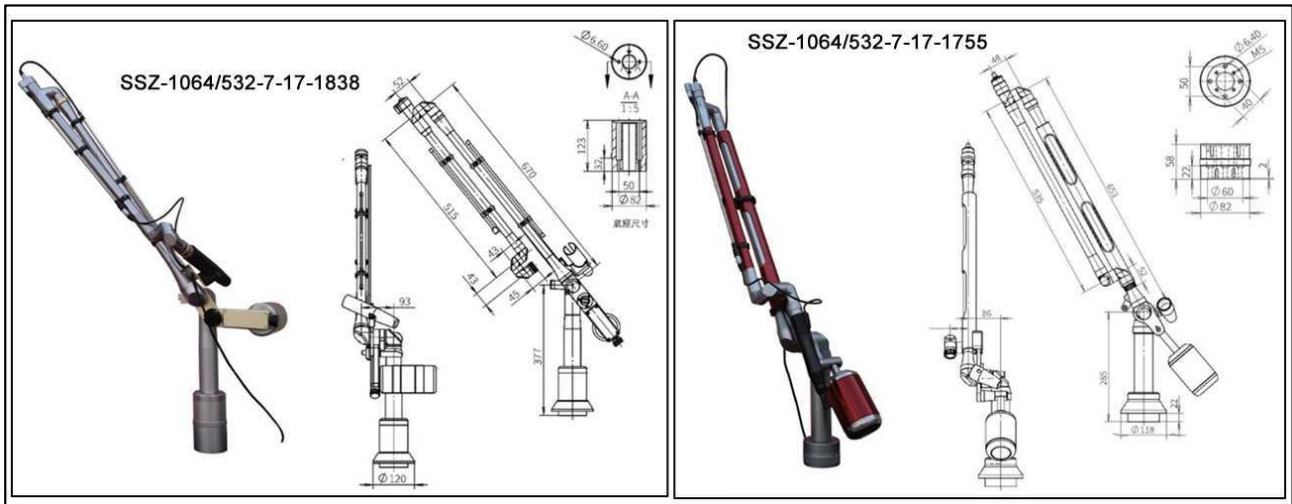
The articulated arm delivery system is used in conjunction with various types of CO₂, YAG, and other wavelength laser systems as a means of delivering the laser energy from the laser launch to the process point. A six or seven joint articulated arm for the delivery of laser energy. Attachment to the laser is accomplished with a laser mount plate and various coupling devices, and process end is attached to the hand piece by the use of an adapter at the end of the arm.



1. Articulated Arms for Nd:YAG Laser

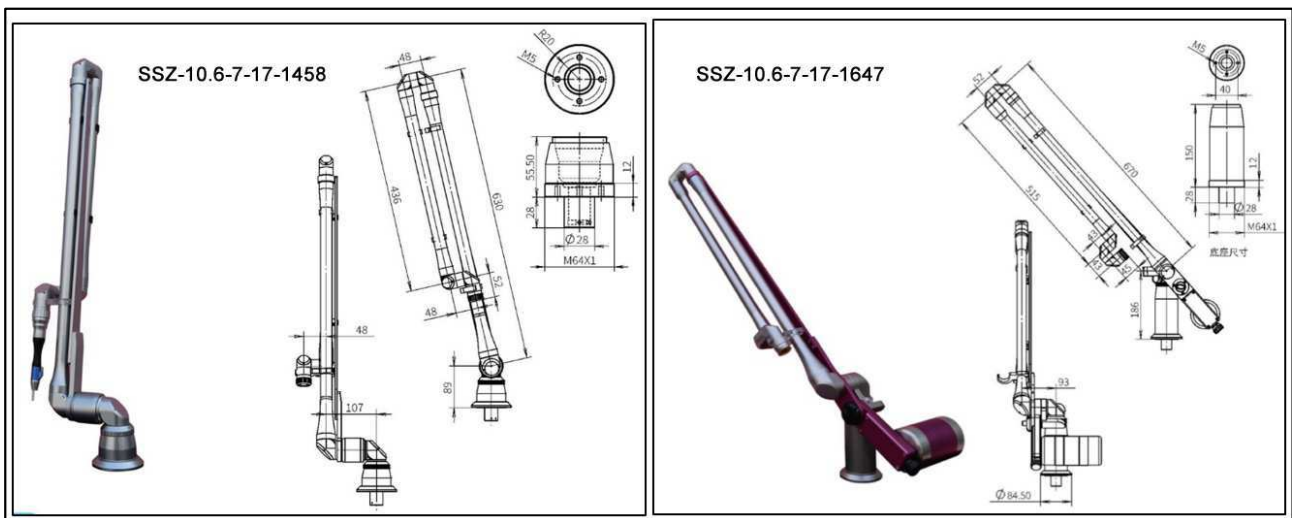


Part number	SSZ-1064/532-7-17-1635	SSZ-1064-7-17-1523
Laser wavelength (nm)	1064+532	1064
Number of joints	7	7
Max. beam aperture (mm)	φ17	φ17
Extension length (mm)	1635=219+108+630+48+482+48+48+52	1523=90+109+616+52+500+52+52+52
Optical path deviation (mm)	±0.3	±0.3
Dimension of mirrors (mm)	φ25x3	φ25x3
Reflectivity	99.6%@1064nm, 98%@532nm	99.6%@1064nm, 98%@532nm
Mount connection (mm)	M22x1.5	M22x1.5



Part number	SSZ-1064/532-7-17-1838	SSZ-1064/532-7-17-1755
Laser wavelength (nm)	1064+532	1064+532
Number of joints	7	7
Max. beam aperture (mm)	φ17	φ17
Extension length (mm)	1838=377+93+670+52+515+43+43+45	1755=285+86+653+48+535+48+52
Optical path deviation (mm)	±0.3	±0.3
Dimension of mirrors (mm)	φ25x3	φ25x3
Reflectivity	99.6%@1064nm, 98%@532nm	99.6%@1064nm, 98%@532nm
Mount connection (mm)	M22x1.5	M22x1.5

2. Articulated Arms for CO2 Laser



Part number	SSZ-10.6-7-17-1458	SSZ-10.6-7-17-1647
Laser wavelength (μm)	10.6	10.6
Number of joints	7	7
Max. beam aperture (mm)	φ17	φ17
Extension length (mm)	1458=89+107+630+48+436+48+48+52	1647=186+93+670+52+515+43+43+45
Optical path deviation (mm)	±0.3	±0.3
Dimension of mirrors (mm)	φ25x3	φ25x3
Reflectivity	98%@10.6μm	98%@10.6μm
Mount connection (mm)	M20x1	M20x1