2D Laser Welding Scanhead

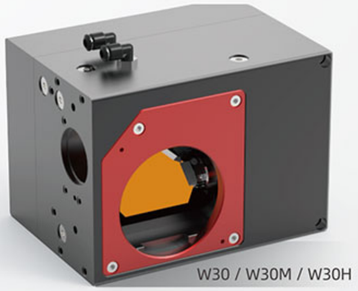
Aperture size：20、30mm

Laser Welding Scanhead

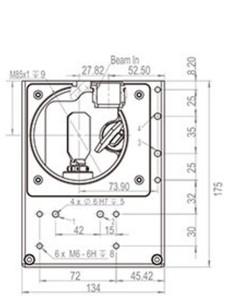
- High power acceptance
- High position speed
- High position precision
- Low temperature drift
- Standard with water cooling
- Aperture size：20、30mm

W20 / W20H

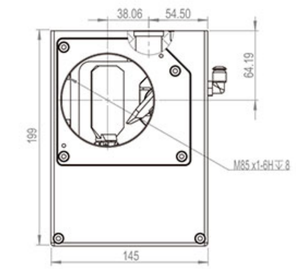
WD30



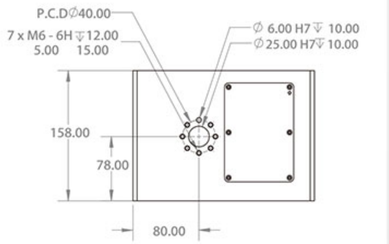
W30 / W30M / W30H



W20 / W20H



W30 / W30M / W30H



WD30

Product line

Type	Resistant power (W)	Weight (KG)	Size (mm)	Input voltage	Output Voltage(VDC)	Current(A)	Protocol
W20	1500	5.5	175x134x148.9	100V60HZ 220V50HZ	±15	5	XY2-100 Protocol
W20H	4000						
W30	2000	6	199x145x142				
W30M	4000						
W30H	6000						
WD30	6000	10	158x220x184				

Optical Specifications

Type	Aperture size (mm)	Available Wavelength	Optical Material	Optical Surface
W20 W20H	20	980 / 1060~1080	1/4λ@633	Si / SiC /QU
W30 W30M W30H	30			
WD30	30			

Galvanometer Specifications

Version	W20 W20H	W30 W30M W30H	WD30
Scan Angle(°)	±11	±11	±11
Repeatability(μrad)	8	8	8
Max.Gain Drift(ppm/k)	150	150	150
Max.Offset Drift(μrad/k)	50	50	50
Long-term drift over 8h(mrad)	≤0.2	≤0.2	≤0.2
Tracking Error(μs)	<300	<520	<520
Step Response Time 1% of Full Scale[1](μs)	<580	<880	<880
Step Response Time 10% of Full Scale[2](ms)	< 1.7	< 2.8	< 2.8
Typical Marking Speed[3] (m/s)	4	2	2
Typical Positioning Speed[3] (m/s)	14	8	8

1)1% step response 2)10% step response 3)2D scanhead use F160 F-θ lens