

## 3D scanning systems

3D scanning systems that we offer are suitable for small beam size in large scanning fields, for 3D marking&processing, applicable with YAG, CO<sub>2</sub> and fiber laser.

		3D Scanhead-300-15D		3D Scanhead-300-10D	
Aperture for 2D module inside		30mm	40mm	15mm	20mm
Aperture for 3D scanning system		15mm		10mm	
Max. laser power ( W )	YAG-1064nm	1500 W		-	
	CO <sub>2</sub> -10600nm	1000 W		-	
	355nm	-		50W	
Large Mark field size		300-750mm		300-750mm	
Typical Z Focus Length Range	with 200*200mm	-		60mm	
	with 300*300mm			100mm	
Max. marking speed <sup>(1)</sup>		3.5m/s	2m/s	5m/s	4m/s
Max. positioning speed <sup>(1)</sup>		5m/s	4m/s	15m/s	12m/s

( 1 ) Test with mark field of 500mm\*500mm.

### 1064nm laser

Mark field size ( mm <sup>2</sup> )		300*300	400*400	450*450	500*500	600*600	750*750
Work distance ( mm )		350	450	500	550	660	820
Average spot size ( μm )	30 mm	30μm	40μm	45μm	50μm	60μm	70μm
	40 mm	-	-	-	-	-	-

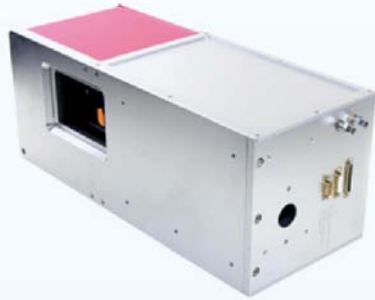
### 10600nm laser

Mark field size ( mm <sup>2</sup> )		300*300	400*400	450*450	500*500	600*600	750*750
Work distance ( mm )		350	450	500	550	660	820
Average spot size ( μm )	30 mm	200μm	260μm	285μm	330μm	380μm	500μm
	40 mm	-	-	-	-	-	-

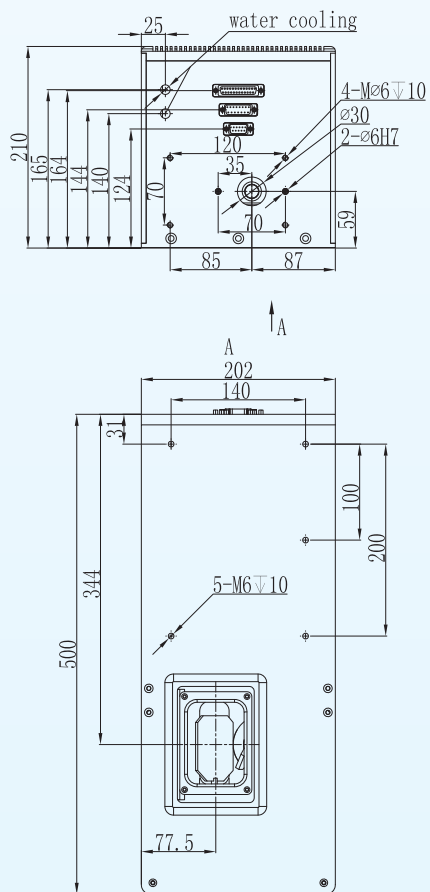
### 355nm laser

Mark field size ( mm <sup>2</sup> )		300*300	400*400	450*450	500*500	600*600	750*750
Work distance ( mm )		350	450	500	550	660	820
Average spot size ( μm )		-	-	-	-	-	-

# SUNNY TECHNOLOGY



3Dscanhead-300-15D



3Dscanhead-300-10D

