

TECHNICAL INFO

	HELIOS 60 - DESKTOP	HELIOS 75 - DESKTOP	HELIOS 100	HELIOS 130	HELIOS 155	HELIOS 1021
Laser Source	sealed CO2 laser tube	sealed CO2 laser tube	sealed CO2 laser tube	sealed CO2 laser tube	sealed CO2 laser tube	sealed CO2 laser tube
Laser Power	50W	50-65W	80W	100W	100W	130W
Working Area	max 420x630 mm	max 520x750 mm	max 700x1000 mm	max 900x1300 mm	max 1050x1550 mm	max 1050x2050 mm
Max Speed	1300 mm/sec	1300 mm/sec	1300 mm/sec	1300 mm/sec	1300 mm/sec	1300 mm/sec
Controlling software	DSP control system	DSP control system	DSP control system	DSP control system	DSP control system	DSP control system
Driving system	Hybrid Servo Motors	Hybrid Servo Motors	Hybrid Servo Motors	Hybrid Servo Motors	Hybrid Servo Motors	Hybrid Servo Motors
Cooling System	Water Cw3000 (included)	Water Cw3000 (included)	Water Cw5200 (included)	Water Cw5200 (included)	Water Cw5200 (included)	Water Cw5200 (included)
Supported file format	BMP, PLT, DST, DXF, and AI	BMP, PLT, DST, DXF, and AI	BMP, PLT, DST, DXF, and AI	BMP, PLT, DST, DXF, and AI	BMP, PLT, DST, DXF, and AI	BMP, PLT, DST, DXF, and AI
Resetting Precision	±0.1mm	±0.1mm	±0.1mm	±0.1mm	±0.1mm	±0.1mm
Min. Engraving Size	Character 1 x 1 mm	Character 1 x 1 mm	Character 1 x 1 mm	Character 1 x 1 mm	Character 1 x 1 mm	Character 1 x 1 mm
Controlling software	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD	Software (LaserWork V.8), plug in for CorelDraw, AutoCAD
Supplementary Functions	Red Dot, Auto Focus, Air Pump control via relay. Silent fume extraction ventilator w / capacity 500M ³	Red Dot, Auto Focus, Air Pump control via relay. Silent fume extraction ventilator w / capacity 500M ³	Red Dot, Auto Focus, Silent, oil free compressor 24lt. Air flow control via electrovalve. Silent fume extraction ventilator w / capacity 700M ³ Touch Screen Display	Red Dot, Auto Focus, Silent, oil free compressor 24lt. Air flow control via electrovalve. Silent fume extraction ventilator w / capacity 700M ³ Touch Screen Display	Red Dot, Auto Focus, Silent, oil free compressor 24lt. Air flow control via electrovalve. Silent fume extraction ventilator w / capacity 700M ³ Touch Screen Display	Red Dot, Auto Focus, Silent, oil free compressor 24lt. Air flow control via electrovalve. Silent fume extraction ventilator w / capacity 700M ³ Touch Screen Display
Beam traveling system	AutoCAD	3 Mirrors Mo, ∅25, 3mm	3 Mirrors Mo, ∅25, 3mm	3 Mirrors Mo, ∅25, 3mm	3 Mirrors Mo, ∅25, 3mm	3 Mirrors Mo, ∅25, 3mm
Focus Lens	Znse, ∅20, focus length 50.4 mm	Znse, ∅20, focus length 50.4 mm	Znse, ∅20, focus length 63.5mm. Also included extra focus lens ∅20, focus length 38.1mm	Znse, ∅20, focus length 63.5mm. Also included extra focus lens ∅20, focus length 38.1mm	Znse, ∅20, focus length 63.5mm. Also included extra focus lens ∅20, focus length 38.1mm	Znse, ∅20, focus length 63.5mm. Also included extra focus lens ∅20, focus length 38.1mm
Working Table	Sticks, moving up-down ca 100 mm	Sticks, moving up-down ca 100 mm	Sticks, moving up-down ca 230 mm	Sticks, moving up-down ca 230 mm	Sticks, moving up-down ca 230 mm	Sticks, moving up-down ca 230 mm
Safety systems	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure	Door opening control switch, start key, door locking, emergency stop, laser tube protection system in case of cooling system failure
Connectivity	USB, Ethernet	USB, Ethernet	USB, Ethernet	USB, Ethernet	USB, Ethernet	USB, Ethernet
Operating Temperature	10 – 35Co	10 – 35Co	10 – 35Co	10 – 35Co	10 – 35Co	10 – 35Co
Relative Humidity	5- 95%	5- 95%	5- 95%	5- 95%	5- 95%	5- 95%
Computer Operating System	Windows XP, Vista, 7, 8, 10	Windows XP, Vista, 7, 8, 10	Windows XP, Vista, 7, 8, 10	Windows XP, Vista, 7, 8, 10	Windows XP, Vista, 7, 8, 10	Windows XP, Vista, 7, 8, 10
Applicable Materials	Wood, Acrylic, Plastic, Rubber, Paper	Wood, Acrylic, Plastic, Rubber, Paper	Wood, Acrylic, Plastic, Rubber, Paper	Wood, Acrylic, Plastic, Rubber, Paper	Wood, Acrylic, Plastic, Rubber, Paper	Wood, Acrylic, Plastic, Rubber, Paper
Warranty	24 months for mechanical & electronics, 12 months for the laser tubes	24 months for mechanical & electronics, 12 months for the laser tubes	24 months for mechanical & electronics, 12 months for the laser tubes	24 months for mechanical & electronics, 12 months for the laser tubes	24 months for mechanical & electronics, 12 months for the laser tubes	24 months for mechanical & electronics, 12 months for the laser tubes
Power Consumption	Max 800 W included the cooling system and fume exhaust	Max 800 W included the cooling system and fume exhaust	Max 2.3 KW included the cooling system and fume exhaust	Max 2.3 KW included the cooling system and fume exhaust	Max 2.5 KW included the cooling system and fume exhaust	Max 2.6 KW included the cooling system and fume exhaust
Dimensions (W X D x H)	1053x753x490 mm	1283x853x490 mm	1530x1100x1150 mm	1830x1360x1200 mm	2100x1550x1300 mm	2650x1600x1300 mm

HELIOS LASER



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Europska kvaliteta

Izvršna pouzdanost i performanse

Dvije godine jamstva na stroj i godinu dana na cijevi

Izvršna vrijednost za uloženi novac



Stol namjestiv po visini

Glava s dvostrukim lećama

Tihi zračni kompresor

Odvod dima

Vodeno hlađenje

Servo motor



GLAVA
Laserska glava i optika vlastite proizvodnje s promjenjivim fokusom



KONTROLER
Jedan od najboljih kontrolera s ekranom osjetljivim na dodir i metalnim kućištem za zaštitu od elektromagnetske interferencije



BRZINA
1400 mm/sec po X osi i 700 mm/sec po Y osi

MOTOR
Hibridni servo motor s povratnom vezom za kontrolu pokreta i veću brzinu

