



Model	EM-Smart Basic 1 (1R)	EM-Smart Basic 2 (2R)	EM-Smart One (One R)	EM-Smart Nova (Nova R)	EM-Smart MP20 (20R)	EM-Smart MP30 (30R)	EM-Smart MP60 (60R)	EM-Smart Super30 (30R)	EM-Smart Super50 (50R)	EM-Smart PC 1	EM-Smart PC 2
Laser Source	MAX	MAX	MAX	MAX	JPT	JPT	JPT	MAX	MAX	MAX	MAX
Laser Type	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser	Fiber laser
Output Power (W)	20W	25W	20W	25W	20W	30W	60W	30W	50W	20W	25W
Marking Speed (mm/s)	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000	0-8000
Standard Marking Field (mm)	110*110 (70*70/150*150)	110*110 (70*70/150*150)	110*110 (150*150)	110*110 (150*150)	150*150 (70*70/110*110)	150*150 (70*70/110*110)	150*150 (70*70/110*110)	110*110 (70*70/150*150/175*175)	110*110 (70*70/150*150/175*175)	110*110(150*150)	110*110(150*150)
Maximum Marking Height (mm)	200	200	90	90	150	150	150	200	200	90	90
Laser Wavelength (nm)	1064	1064	1064	1064	1064	1064	1064	1060-1070	1060-1070	1064	1064
Beam Quality (m ²)	≤1.4	≤1.6	≤1.4	≤1.6	≤1.3	≤1.3	≤1.5	≤1.6	≤1.6	≤1.4	≤1.6
Repeat Accuracy (mm)	±0.002	±0.002	±0.002	±0.002	Spectral width <15nm Pause energy 0.8 mJ	Spectral width <15nm Pause energy 0.8 mJ	Spectral width <15nm Pause energy 1.5 mJ	±0.002	±0.002	±0.002	±0.002
Minimum Character (mm)	0.01	0.01	0.01	0.01	Pulse width 2-350ns Line Space: 0.001mm	Pulse width 2-350ns Line Space: 0.001mm	Pulse width 2-500ns Line Space: 0.001mm	0.01	0.01	0.01	0.01
Minimum Line Distance (mm)	0.01	0.01	0.01	0.01	Pulse width 2-350ns Line Space: 0.001mm	Pulse width 2-350ns Line Space: 0.001mm	Pulse width 2-500ns Line Space: 0.001mm	0.01	0.01	0.01	0.01
Repeat Pause Frequency Range (kHz)	30-60	40-60	30-60	40-60	Frequency Range 1-4000kHz (1-3000) Full Power Frequency Range 25-4000kHz(37-3000)	Frequency Range 1-4000kHz (1-3000) Full Power Frequency Range 25-4000kHz(37-3000)	Frequency Range 1-4000kHz (1-3000) Full Power Frequency Range 25-4000kHz(37-3000)	30-60	45-170	30-60	40-60
Operation Temperature (°C)	0-35	0-35	0-35	0-35	0-40	0-40	0-40	10-42	10-42	0-35	0-35
Cooling Method	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Lifespan (Hours)	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Net Weight (kg)	11.5	11.5	8.5	8.5	14.5	14.5	18	14	14	8.5	8.5
Dimension (L*W*H*mm)	435*305*525*70	435*305*525*70	370*258*505*65	370*258*505*65	437*307*545*88	437*307*545*88	475*325*545*90	435*305*545*90	435*305*545*90	370*258*505*65	370*258*505*65
Package Size (L*W*H mm)	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170	760*540*170
Supply Voltage (V)	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V	DC24V
Power Consumption (W)	≤160	≤180	≤160	≤180	≤120	≤144	≤300	≤140	≤200	≤160	≤180
PC Connection	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	USB Cable	Built-in PC	Built-in PC
Certificate	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001	CE, FDA, RoHS, SGS, ISO9001
Color Available	Black/Orange	Black/Orange	Black/Grey	Black/Grey	Black+Red	Black+Red	Black+Red	Black+Red	Black+Red	Black/Grey	Black/Grey
Deep Engraving	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cutting Function	N	Y	N	Y	Y	Y	Y	Y	Y	N	Y
Rotary Function	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N	N
Lens Replacement	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thermal Protection	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Emergency Stop	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Design	Quick Set-Up	Quick Set-Up	Foldable Design	Foldable Design	Quick Set-Up	Quick Set-Up	Quick Set-Up	Quick Set-Up	Quick Set-Up	Foldable Design+Built-in PC	Foldable Design+Built-in PC

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