

best value
in sheet metal processing.

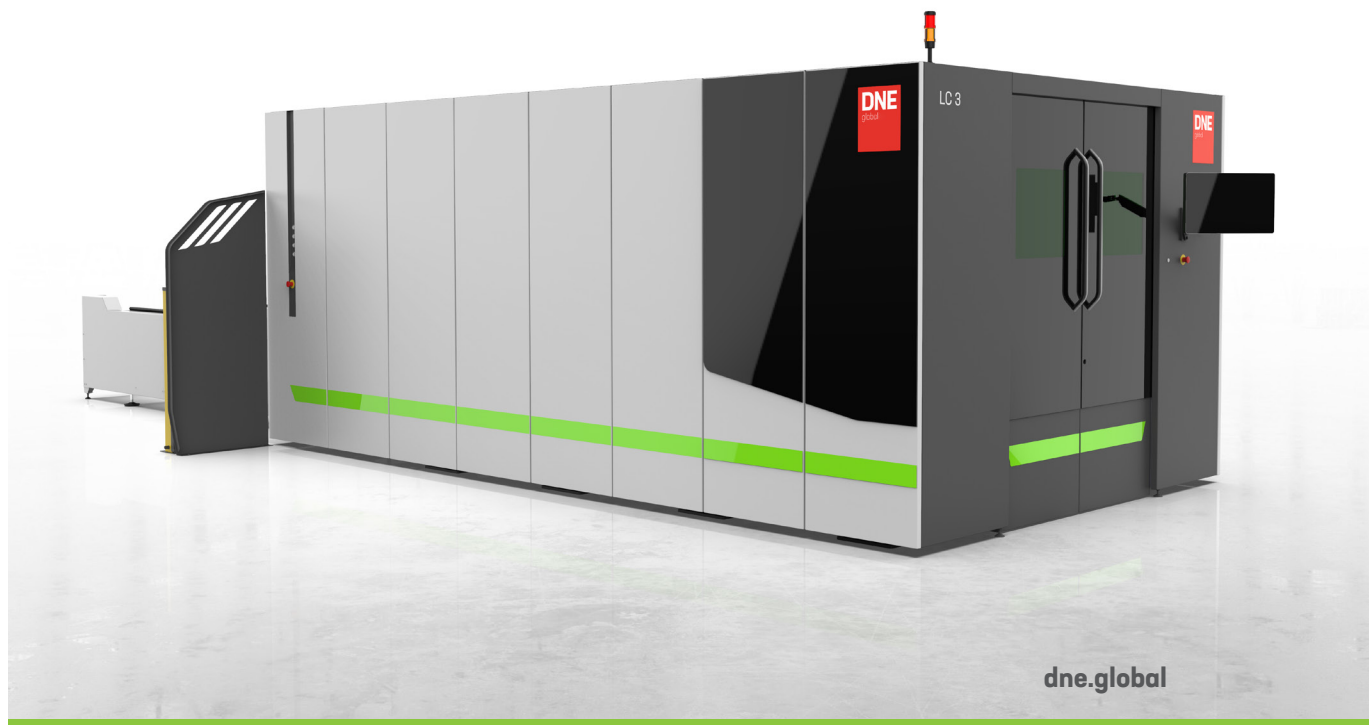


DNE LC 3

Technical Data

Customer Benefits

- Fast and reliable laser cutting machine for more profit per part
- Local service support and parts availability – fast response time, proven components
- Attractive price-performance ratio
- State-of-the-art technology based on Swiss expertise
- Set a benchmark in terms of programming
- Maximum operating convenience
- Powerful laser output of up to 6 kilowatts



Technical data DNE LC 3, laser cutting system

Laser source	2000	3000	4000	6000	
Length	34' 8"	34' 8"	34' 8"	34' 8"	ft / in
Width	19' 5"	19' 5"	19' 5"	19' 5"	ft / in
Height	9' 0"	9' 0"	9' 0"	9' 0"	ft / in
Nominal sheet size X	120	120	120	120	in
Nominal sheet size Y	60	60	60	60	in
Cutting area X	122	122	122	122	in
Cutting area Y	62	62	62	62	in
Cutting area Z	4	4	4	4	in
Max. positioning speed parallel axis x, y	3937	3937	3937	3937	in/min
Max. simultaneous positioning speed	5511	5511	5511	5511	in/min
Bilateral repeatability of positioning of one axis R (ISO 230-2:2014)	± 0.002	± 0.002	± 0.002	± 0.002	in
Averaged, bilateral position deviation of one axis M (ISO 230-2:2014)	± 0.004	± 0.004	± 0.004	± 0.004	in
Edge detection accuracy	± 0.019	± 0.019	± 0.019	± 0.019	in
Max. workpiece weight	1984	1984	1984	1984	lb
Machine weight	26015	26015	26015	26015	lb
Table change over time	24	24	24	24	s
Operation via panel					
Power	2000	3000	4000	6000	W
Polarization	Unpolarized	Unpolarized	Unpolarized	Unpolarized	W
Wavelength	1	1	1	1	µm
Pulse frequency	1 - 2500	1 - 2500	1 - 2500	1 - 2500	HZ
Maximum sheet thicknesses					
Steel	0.375	0.750	0.750	0.750	in
Stainless steel	0.187	0.500	0.625	0.750	in
Aluminum	0.250	0.500	0.625	0.750	in
Brass	0.125	0.250	0.312	0.375	in
Copper	0.070	0.250	0.312	0.375	in
Total electrical consumption of system	16	19	25	29	kW