

best value
in sheet metal processing.

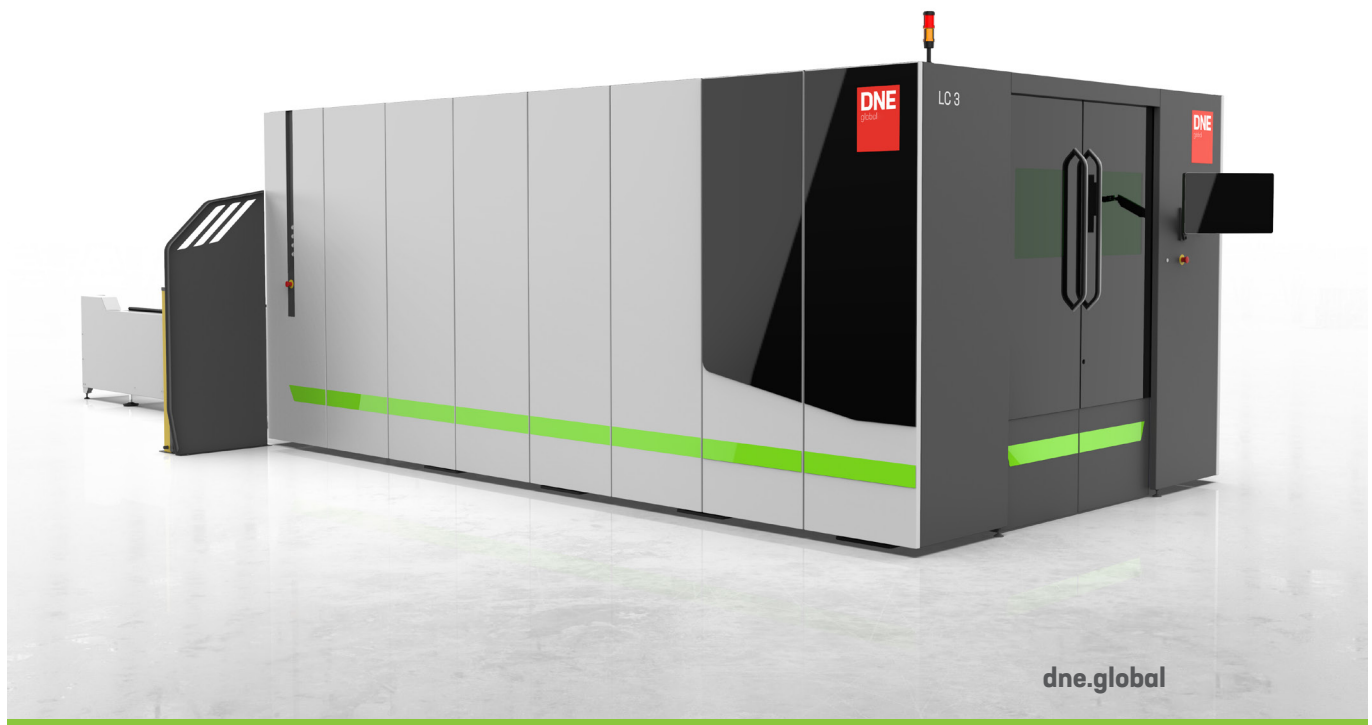


DNE LC 3

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 laser cutting system DNE LC 3

| Laser source | 2000 | 3000 | 4000 | 6000 | |
|---|-------------|-------------|-------------|-------------|-------|
| Length | 10561 | 10561 | 10561 | 10561 | mm |
| Width | 5903 | 5903 | 5903 | 5903 | mm |
| Height | 2744 | 2744 | 2744 | 2744 | mm |
| Nominal sheet size X | 3000 | 3000 | 3000 | 3000 | mm |
| Nominal sheet size Y | 1500 | 1500 | 1500 | 1500 | mm |
| Cutting area X | 3106 | 3106 | 3106 | 3106 | mm |
| Cutting area Y | 1582 | 1582 | 1582 | 1582 | mm |
| Cutting area Z | 100 | 100 | 100 | 100 | mm |
| Max. positioning speed parallel axis x, y | 100 | 100 | 100 | 100 | m/min |
| Max. simultaneous positioning speed | 140 | 140 | 140 | 140 | m/min |
| Bilateral repeatability of positioning of one axis R (ISO 230-2:2014) | 0,05 | 0,05 | 0,05 | 0,05 | mm |
| Averaged, bilateral position deviation of one axis M (ISO 230-2:2014) | 0,1 | 0,1 | 0,1 | 0,1 | mm |
| Edge detection accuracy | ± 0,5 | ± 0,5 | ± 0,5 | ± 0,5 | mm |
| Max. workpiece weight | 900 | 900 | 900 | 900 | kg |
| Machine weight | 11800 | 11800 | 11800 | 11800 | kg |
| 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 | 10 | 20 | 20 | 20 | mm |
| Stainless steel | 5 | 12 | 15 | 20 | mm |
| Aluminum | 6 | 12 | 15 | 20 | mm |
| Brass | 3 | 6 | 8 | 10 | mm |
| Copper | 2 | 6 | 8 | 10 | mm |
| Total electrical consumption of system | 16 | 19 | 25 | 29 | kW |