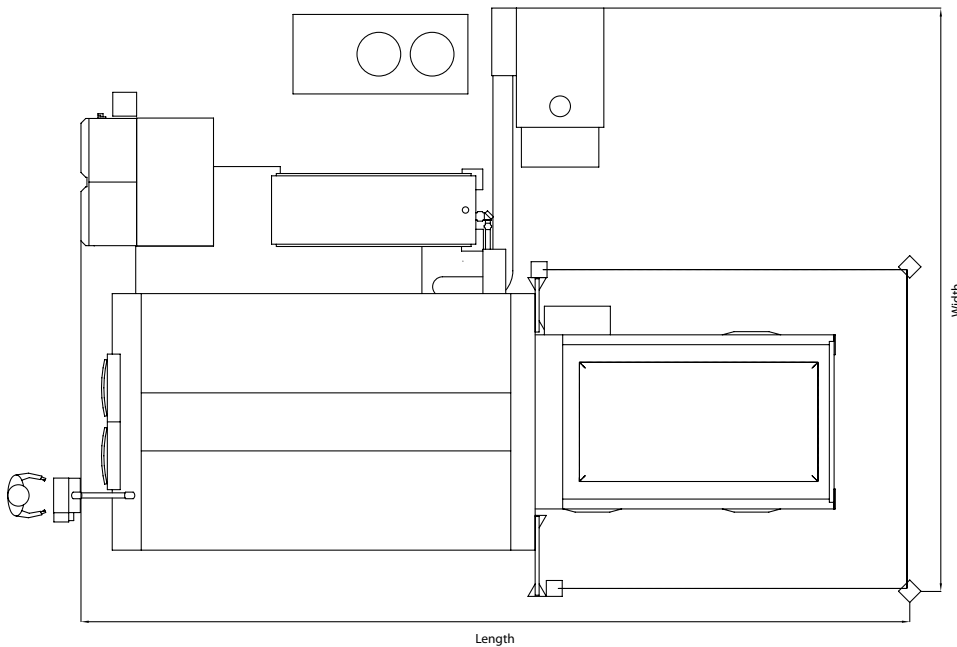
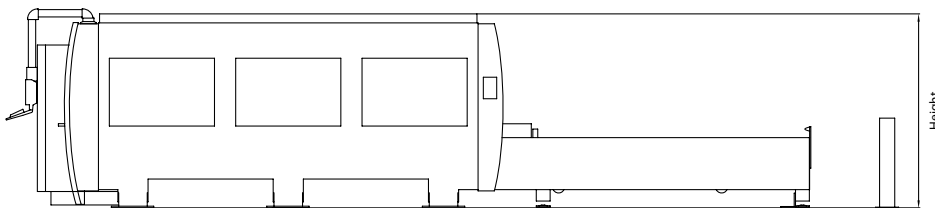


Technical Data

BySprint Pro



with ByLaser 4400

| | |
|---------------|--------|
| Length | 409 in |
| Width | 287 in |
| Height | 94 in |

Top cover as optional extra

| | |
|--|--|
| Nominal sheet size | x = 120 in y = 60 in |
| Cutting area | x = 3048 mm/ 120 in y = 1524 mm/ 60 in z = 70 mm/2.75 in |
| Maximum positioning speed parallel axis x, y | 3937 in/min |
| Maximum positioning speed simultaneous | 5500 in/min |
| Maximum axis acceleration | 472 in/s ² |
| Positioning accuracy Pa* | ± 0.004 in |
| Repeatability Ps* | ± 0.002 in |
| Edge detection accuracy | ± 0.020 in |
| Maximum workpiece weight | 1650 lbs |
| Machine weight** | 26,450 lbs |
| Base | normal, reinforced industrial floor according to assembly plan |
| Cutting heads | 5" and 7.5" |
| Operation via panel | with 15" touch screen, keyboard and manual control unit |
| Drives | DVD-RW, USB 2.0 |
| Network connection | RJ45 connection 10/100 MBit/s |

| | |
|--|--------------|
| CO ₂ laser source | ByLaser 4400 |
| Power | 4400 W |
| Wavelength | 10.6 μm |
| Polarization | circular |
| Pulse frequency | 1–2500 Hz |
| Maximum sheet thicknesses*** | |
| Mild steel | 0.750 in |
| Stainless steel | 0.750 in |
| Aluminum | 0.500 in |
| Maximum electric consumption of the total system**** | 51 kW |

* According to VDI/DGQ 3441 measuring length 39 in. The precision of the sheet metal part depends on the material in question and its pre-treatment as well as the sheet size and its warming.

** Complete laser cutting system with shuttle table without exhaust, chiller and automation

*** In order to cut the maximum thicknesses, the following conditions must be met:

- Optimally maintained and adjusted laser cutting system
- The materials must be of the quality demanded by Bystronic (laser materials)

**** Entire system with exhaust and chiller

The right to make changes to dimensions, construction, and equipment is reserved. ISO-9001-certified

Bystronic Best choice.

Laser | Bending | Waterjet
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