

EFFICIENT
Fiber laser cutting systems



iNspire

TECHNICAL DATA

Cutting speed **max. 150m/min**
 Positioning **340m/min**
 Acceleration* **up to 6G**
 Laser sources **up to 40kW**

*Top acceleration value is dependent on the machine's working area.

STANDARD EQUIPMENT

- 🔗 Fiber laser source
- 🔗 Linear motors on all axes
- 🔗 Advanced composite material body structure
- 🔗 Lightweight carbon fiber traverse
- 🔗 eVa cutting head
- 🔗 Superfast 9-second pallet changer

EFFICIENT

MAXIMUM SPEEDS

maximum cutting speed	[m/min]	150
parallel to the X, Y axes*	[m/min]	240
simultaneously*	[m/min]	340

* Top speed value is dependent on the machine's working area.

AXIS PARAMETERS

repetitiveness +/-	[mm]	0,03
cutting precision +/-**	[mm]	0,05
min. programmable leap	[mm]	0,001

** In accordance with PN-EN ISO 9013 norms.

SPECIFICATIONS

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Benefits:

- | | |
|--|--|
| ✓ Made for 24/7 automation | ✓ Reduced energy consumption |
| ✓ Wider range of material thicknesses | ✓ Intelligent construction and design |
| ✓ Highest efficiency and precision | ✓ Lowest cost per part |
| ✓ Unmatched dynamic acceleration and fast pallet changer | ✓ Highest throughput quality and burr-free |
| ✓ Lowest maintenance on the market | ✓ Best performance and reliability on the market |

The iNspire series presents state-of-the-art machines with extremely precise, and exceptionally fast solutions for the most demanding mass production applications where speed, power, and reliability are a must.

With cutting speeds up to **150m/min**, top positioning speed of **340m/min**, dynamic acceleration up to **up to 6G**, and fiber laser powers from **1 to 40kW**, they are the fastest and most efficient laser machines in the world.

WORKING AREA

MACHINE MODEL	[um]	1530	2040	2060	2560	2580	3080	25120	30120	25160	30160
X-AXIS	[mm]	3060	4060	6060	6060	8070	8070	12090	12090	16110	16110
Y-AXIS	[mm]	1540	2040	2040	2540	2598	3098	2598	3098	2598	3098
Z-AXIS	[mm]	100	100	100	100	150	150	150	150	150	150
MAX. SHEET WEIGHT	[kg]	1000	1600	2400	3000	9600	11520	14400	17280	19200	23040

DIMENSIONS, AND WEIGHT OF THE MACHINE ¹⁾

MACHINE MODEL	[um]	1530	2040	2060	2560	2580	3080	25120	30120	25160	30160
LENGTH	[mm]	10000	11200	14000	14000	22550	22550	31330	31330	41000	42000
WIDTH	[mm]	3080	4100	4100	4750	4500	5000	4500	5770	4600	5900
HEIGHT	[mm]	3060	3060	3060	3060	2700	2700	2750	2850	2800	2900
WEIGHT	[t]	18	22	36	39	52	72	81	99	101	124

1) Approximate values. The exact parameters are specified in the installation plan.