

REVOLUTIONARY

Fiber laser cutting systems

FLOWIN

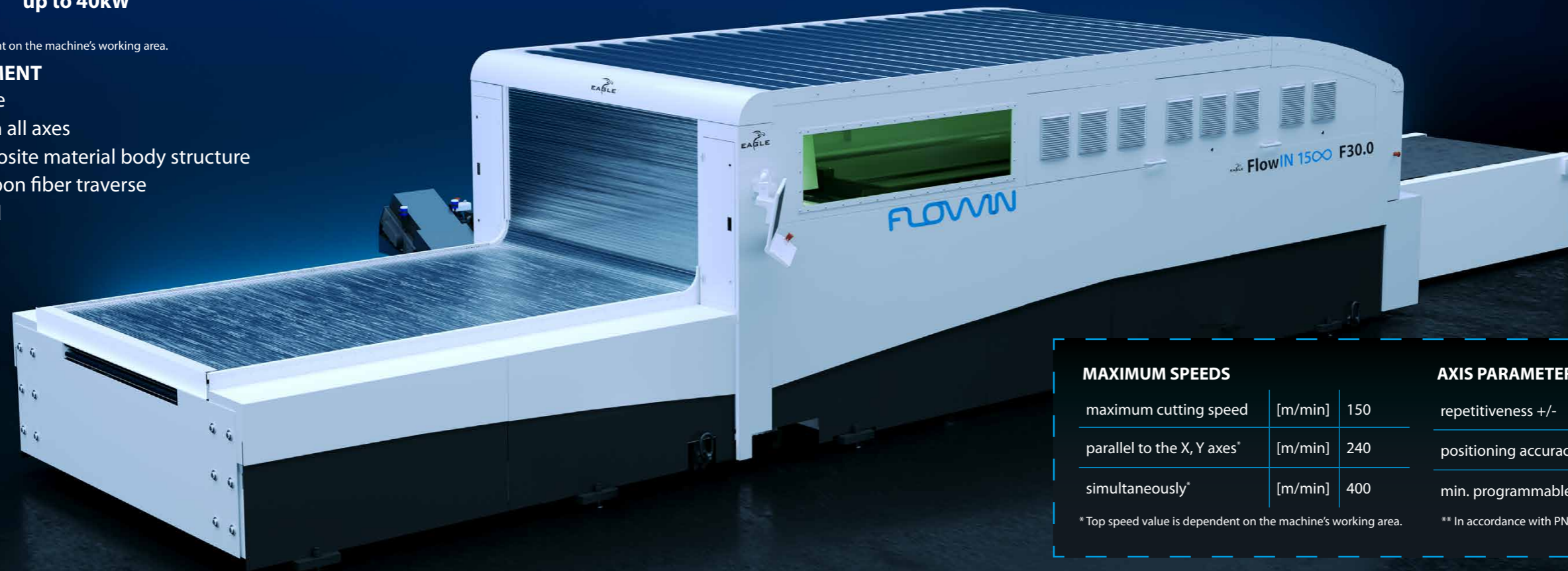
TECHNICAL DATA

| | |
|---------------|-----------------------|
| Cutting speed | max. 150 m/min |
| Positioning | 400 m/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



MAXIMUM SPEEDS

| | | |
|----------------------------|---------|-----|
| maximum cutting speed | [m/min] | 150 |
| parallel to the X, Y axes* | [m/min] | 240 |
| simultaneously* | [m/min] | 400 |

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

AXIS PARAMETERS

| | | |
|----------------------------|------|-------|
| repetitiveness +/- | [mm] | 0,03 |
| positioning accuracy +/-** | [mm] | 0,05 |
| min. programmable leap | [mm] | 0,001 |

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

Cut the Scrap. Free the Part.

SPECIFICATIONS

#EvolutionIsRevolution

Benefits:

- | | |
|--------------------------|---------------------------------|
| ✓ No more skeleton | ✓ No more welded parts |
| ✓ No more combs | ✓ No more slugs |
| ✓ No more comb cleaning | ✓ No more shape restrictions |
| ✓ No more comb cutting | ✓ No more thickness limitations |
| ✓ No more pallet changer | ✓ No more inefficient nesting |

Cutting and Sorting at The Same Time

FlowIN is an integrated system designed for **continuous material flow, simultaneous cutting, and sorting**. It ensures that every part, regardless of shape or thickness, can be sorted, just as efficiently as the machine cuts. You just feed material to the machine and receive ready cut, free and sorted parts out the other end.

FlowIN is built for metal sheets and FlowINCo is the coil-cutting version featuring the same machine parameters.

WORKING AREA

| MACHINE MODEL | [um] | 15 ∞ | 20 ∞ |
|-------------------|------|----------|----------|
| X-AXIS | [mm] | 3200 + ∞ | 4000 + ∞ |
| Y-AXIS | [mm] | 1520 | 2040 |
| Z-AXIS | [mm] | 120 | 120 |
| MAX. SHEET WEIGHT | [kg] | 550 | 1000 |

DIMENSIONS AND WEIGHT OF THE MACHINE ¹⁾

| MACHINE MODEL | [um] | 15 ∞ | 20 ∞ |
|---------------|------|-------|-------|
| LENGTH | [mm] | 16000 | 19090 |
| WIDTH | [mm] | 5900 | 7450 |
| HEIGHT | [mm] | 2950 | 3200 |
| WEIGHT | [t] | 35,6 | 48,8 |

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

| MACHINE MODEL | [um] | 15 ∞ | 20 ∞ |
|------------------------------|------|------|------|
| CUTTING PROCESS | | | |
| MAX. THICKNESS OF CUT SHEET: | | | |
| CONSTRUCTION STEEL | [mm] | 15 | 15 |
| STAINLESS STEEL | [mm] | 15 | 15 |
| ALUMINUM | [mm] | 15 | 15 |
| COOPER | [mm] | 6 | 6 |
| BRASS | [mm] | 8 | 8 |

INTERNAL SORTING PROCESS (WASTE AND SMALLER PARTS)

| | | | |
|-----------------------------------|------|-----------------|-----------------|
| BIGGER PART DIMENSION FOR SORTING | [mm] | 1500 x 3000 + ∞ | 2000 x 4000 + ∞ |
| SMALLER PART DIMENSION | [mm] | ALL | ALL |
| MAX. WEIGHT OF THE CUT PART | [kg] | 550 | 960 |