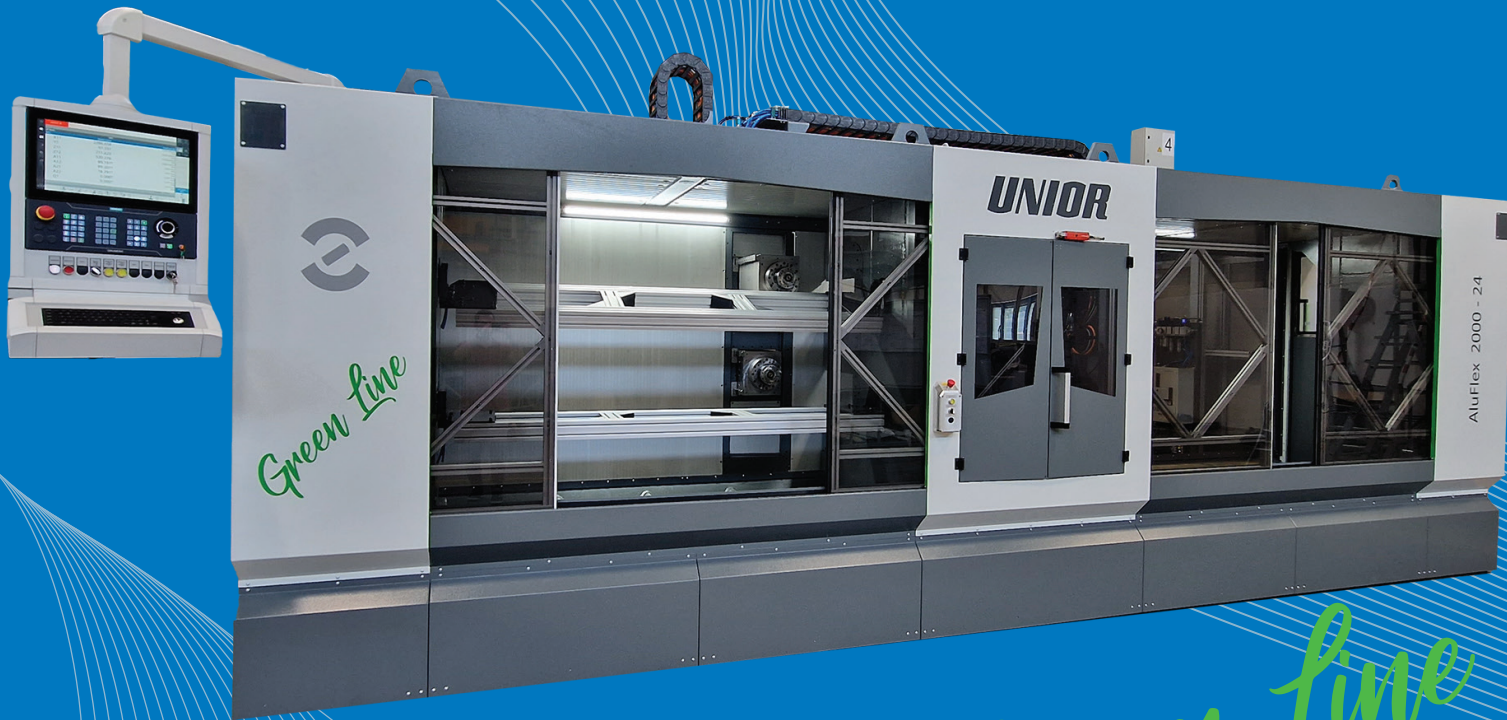


ALUFLEX 1500/2000/2500

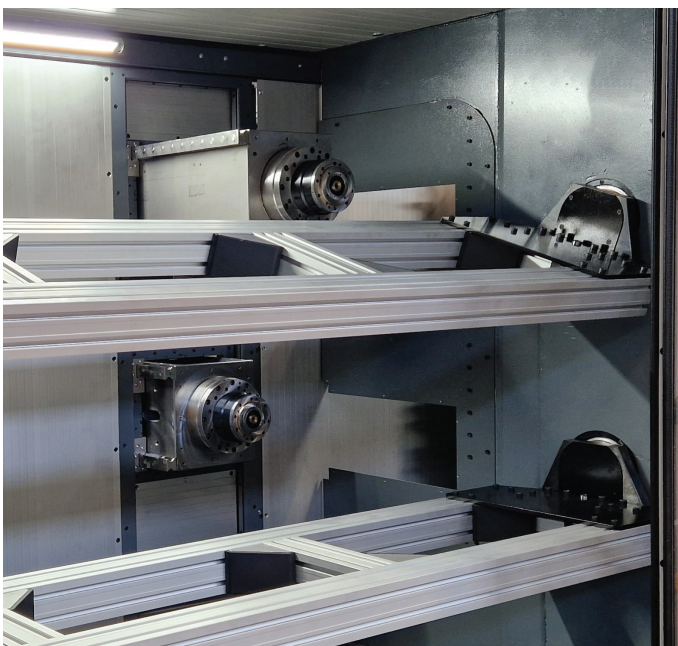


From the **idea**
to the finished **product**

Green Line

The 4/5-axis machining center for all types of profiles enables optimal machining of thin-walled steel profiles and thick-walled aluminium profiles. The rigid machine structure ensures high machining speeds and accuracy. The 2500 model enables the machining of welded battery frames.

ADVANTAGES

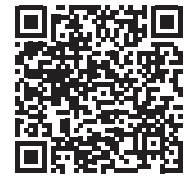


- ☞ Dry machining/upgrade to MMS or emulsion
- ☞ Flexible machining of aluminium or thin-walled steel profiles
- ☞ Workpieces up to a length of 2500 mm and a width of 1500 mm
- ☞ Change of clamping device enables fast changeover to a new workpiece. Possibility of changing the clamping fixture via robot
- ☞ Pneumatic clamping system with possible upgrade to a hydraulic system
- ☞ Machining possibility - two different workpieces
- ☞ Option - 5 axis version



The design of the 4/5-axis machining center for aluminium profiles is based on:

- ⊞ A solid welded construction filled with mineral concrete, which ensures optimal vibration damping
- ⊞ Horizontal design for optimal chip disposal
- ⊞ Modular design:
 - single spindle
 - double single spindle
 - double spindle
 - double double spindle design
 - 5-axis version
- ⊞ Possibility of clamping several smaller workpieces to increase productivity



OPTIMAL WORKPIECES



The Aluflex 2500 is designed for machining of all types of aluminium profiles (e.g. battery frame). The machine is best suited for 4/5-axis machining of aluminium or thin-walled steel profiles.



TECHNICAL DATA



Work area

X-Axis	mm	from 3.000 to 6.000
Y-Axis	mm	500
Z-Axis	mm	630

Working spindle

max. rpm	U/min	18.000
max. power	kW	30
max. torque	Nm	45
clamp type	HSK	63

Acceleration

X-Axis	m/s ²	8
Y-Axis	m/s ²	8
Z-Axis	m/s ²	10

Accuracy

Position tolerance	mm	<0,02
Position deviation	mm	0,005

Tool magazine

Magazine		28
Tool length max.	mm	350
Tool diameter	mm	Ø100

Controls

SIEMENS - SINUMERIK ONE (FANUC)

Cooling

Dry processing (MMS/Emulsion)

Workpiece

Battery frame	mm	200x1700x2500
Aluminium profile	mm	300x300x2000

Machine data

Weight	kg	24.000
Height	mm	3.000
Width	mm	3.700
Length	mm	7.700