INVESTMENTS IN 2022

EQUIPMENT

• E-beams - Bühler Leybold SYRUSpro 1350 and 710

The most productive and cost-efficient e-beam evaporation coating technology on the market today.

• MS - Bühler HELIOS 800

Magnetron sputtering coating technology is designed to meet the highest demands for thin film coatings.

UCM SmartLine cleaning station

Ultrasonic cleaning machine for precision-cleaning tasks.

INFRASTRUCTURE

- Single location one factory
- 3200 m² of new facilities

- 1800 m² of manufacturing and metrology space
- 450 m² of cleanroom space



Altechna

INVESTMENTS IN 2022

NEW EQUIPMENT CAPABILITIES

BÜHLER LEYBOLD HELIOS 800

Magnetron sputtering

Dual MF magnetrons

Single RF magnetron

RF plasma source 3 kW

444 pieces 1" capacity

108 pieces 2" capacity

Up to Ø200 mm (12 pcs/batch)

Fully automated

OMS 5100 optical monitoring @ 220-1750 nm range

Uniformity ±0.5%

Oil free pumps

BÜHLER LEYBOLD SYRUSPRO 1350

E-beam evaporation

Dual e-gun

Dual thermal evaporator

LION 300 RF ion source @ 100-750 eV

650 pieces 1" capacity

148 pieces 2" capacity

Up to Ø400 mm (4 pcs/batch)

Fully automated

OMS 5100 optical monitoring @ 220-1750 nm range

Uniformity ±0.5%

Oil free pumps

NEW COATING DESIGN CAPABILITIES

Complex dichroic beamsplitters

Steep-edge dichroic beamsplitters

Short/long-pass edge filters

Narrow-bandpass/notch filters



INVESTMENTS IN 2022



The arrival of the **Bühler Leybold SYRUSpro 1350 and SYRUSpro 710** more than triples Altechna's

capacity in E-beam + IAD optical coatings, while also improving product quality, due to advanced optical monitoring and increased uniformity of spectral performance per run.

Bühler HELIOS 800 not only expands our existing sputtering technological capabilities but also unlocks new ways to serve our customers' highest demands, such as their requirements for bandpass, steepedge and notch filters, and more. This top-notch machinery gives Altechna a technical edge when it comes to the most complex solutions.

