A Complete Range of PRECISION LITHIUM FOIL ROLLING MILLS for Laboratory developments or high capacity production
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With over 125 years experience and more than 1000 machines delivered throughout the world, BÜHLER REDEX is recognised as a world leader in precision strip rolling. Recent developments have allowed BÜHLER REDEX to produce rolling mills specifically designed for the precision lithium foil market.

Foil is produced directly from lithium extruded to a thickness of 0.2 to 0.5 mm.

Features

- High precision mill stand.
- Specifically designed for dry room operation.
- Sensitive tension control.
- Plastic film interlacing on finished coil.

Improved Quality and Performance

- Thickness control to 1 micron.
- Roll bending to eliminate edge cracking.
- Reduced friction for the production of quality coils.

Flexible and efficient design

- Fully integrated electronic control.
- Quick change mill rolls.
- Customised interface options

LABORATORY PLF Rolling Mill

- Target thickness range 10 to 100 microns
- Foil width up to 100 mm
- Suitable for all grades of lithium and various alloys
- Modular construction for easy upgrades
- Compact design to minimise dry room space

PRODUCTION PLF Rolling Mill

- Foil thickness from 30 to 150 microns
- Foil width up to 150 mm
- Running speeds up to 120 m/min
- Automatic set-up to minimise wastage
- Non-contact laser thickness measurement
- Sophisticated HMI for easy operation
- Surface inspection option

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