

PLF

Precision Lithium Foil Rolling Mill



BÜHLER REDEX
Metal Precision Machines

A Complete Range of PRECISION LITHIUM FOIL ROLLING MILLS for Laboratory developments or high capacity production

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for Laboratory developments or high capacity production

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

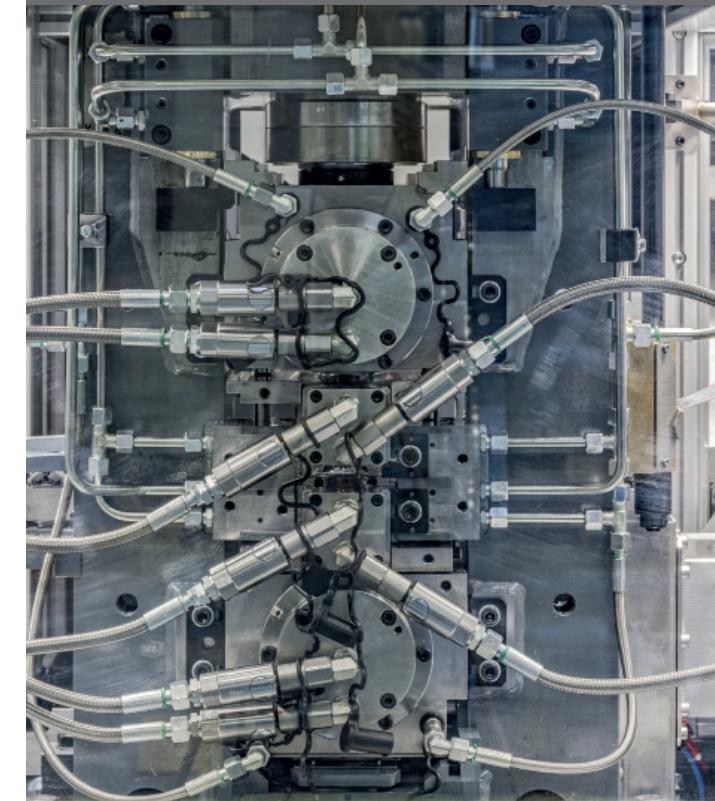
LABORATORY PLF Rolling Mill

- 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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BÜHLER REDEX GmbH | Hanauerstr. 3-5 | 75181 | Pforzheim | Germany

A **REDEX** Group Company

www.buehler-redex.com

E. info@buehler-redex.com

T. +49 7231 7755-0 F. +49 7231 7755-54