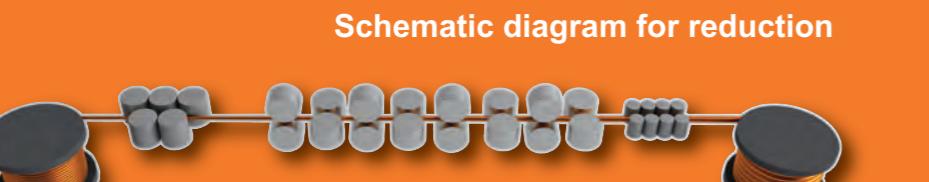


## BÜHLER REDEX WIRE REDUCTION MILLS

Reduction mills are used to decrease the cross-section of all rollable materials while keeping very high accuracy on the final dimensions, even at very high speed.

Starting from a round primary material, the diameter is step-by-step reduced to the suitably small final profile.



Schematic diagram for reduction

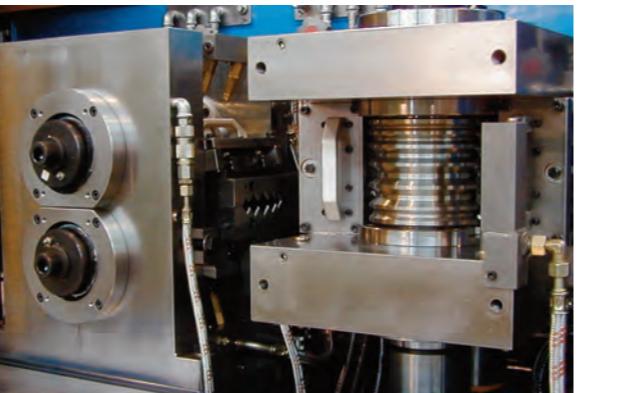
Alternating horizontal and vertical rolling reduces the wire diameter.  
The required productivity can be determined by the number of reduction phases, depending on the wire material.

BÜHLER REDEX customers rely on more than one century of industrial experience, with a deep know-how of their specialties core, and an ever-optimized level of cost-efficient production process.

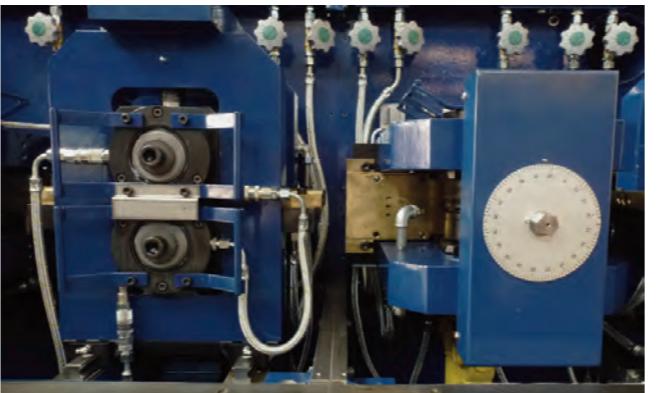
Modular design means that any number of reduction phases and roller diameters can be easily offered as a standard.

Maximum system performance, high level of flexibility, modular design and maximum reliability allow BÜHLER REDEX to offer the best level productivity, and therefore the best TCO (Total-Cost-of-Ownership), on the market.

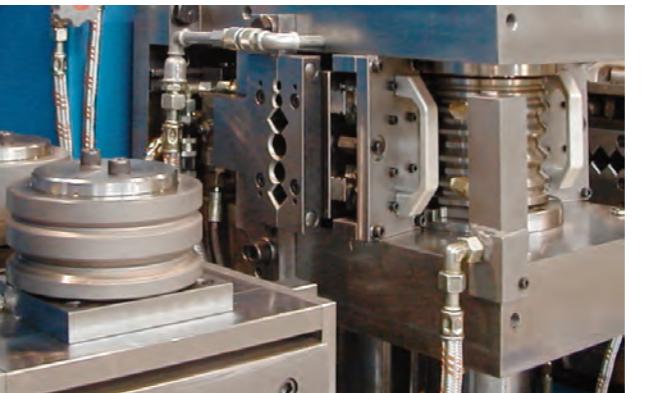
**BÜHLER REDEX**



Guiding systems between the roll stands make easy the infeed of the wire



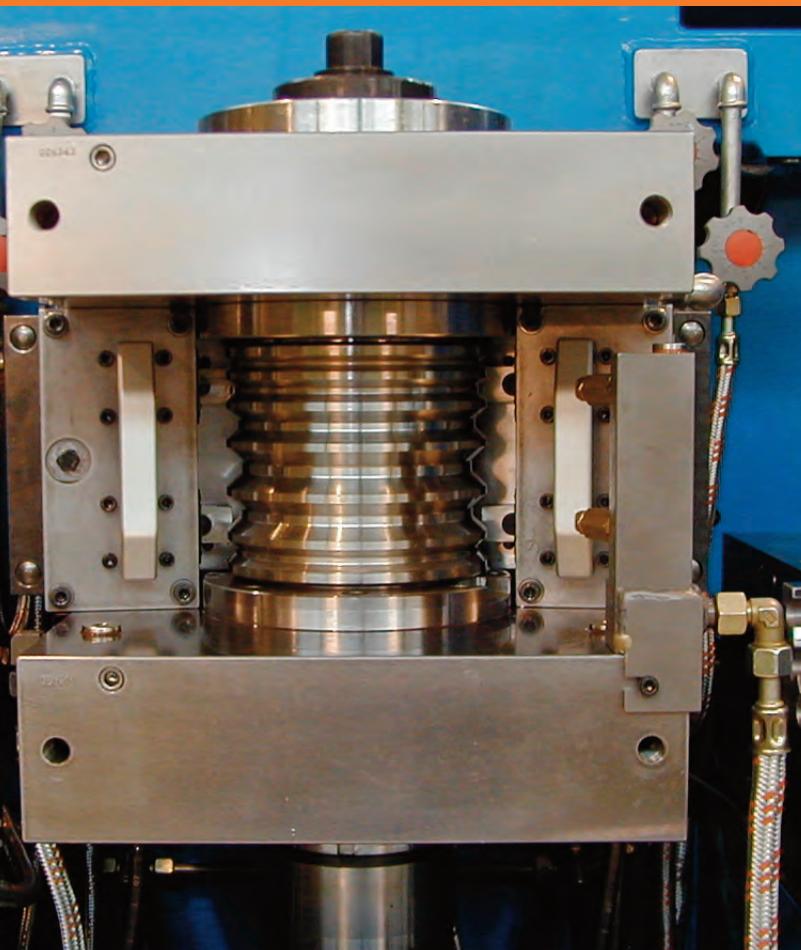
Roll stands with gap adjustment



Special guiding systems can be provided according to the final shape of the wire



Traversing spooler with advanced feature for precise layer winding



Roll rings with multiple grooves, motorized grooves displacement, and short changeover times

**BÜHLER REDEX**



## BÜHLER REDEX

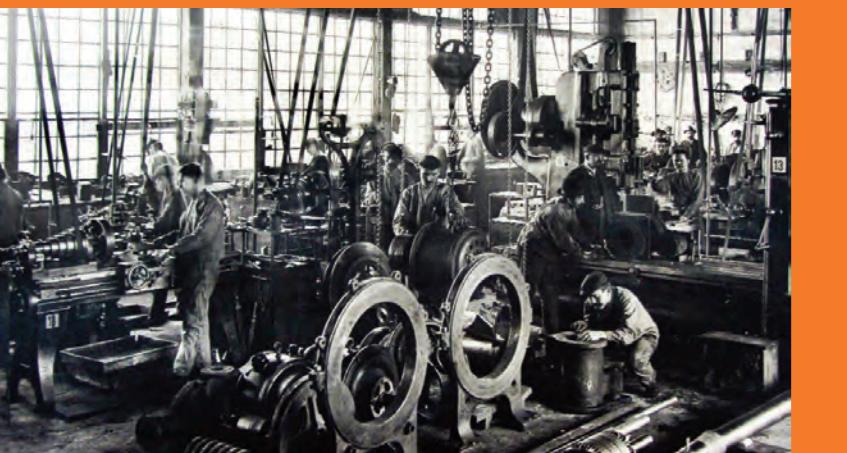
### At the core of successful industrial process

Proved performance and economic efficiency are more than ever at the core of successful industrial process.

At BÜHLER REDEX, our aim is to develop and to offer equipement which makes true that «anything that strengthens your competitive position also strengthens our position with you».

### A full win-win partnership !

That's the core of our team's goal. That's why the wire and strips produced on BÜHLER REDEX rolling mills always allow their producers to be a giant step forward to their competition.



### 125 years of experience does matter !

When wire processors make their choice for strategic manufacturing equipement, experience means confidence.

Relying on its huge field experience, BÜHLER REDEX is able to offer Cold Rolling Mills for rolling, drawing, annealing, and winding almost any existing alloys, including usual and unusual ferrous, non-ferrous, and all precious metal alloys.

Over the decades, the company's engineering continuously developed its know-how for reducing, compressing, profiling flat and round materials, or to produce the thinnest strips with tolerances measured in microns.



### At BÜHLER REDEX, your special is our standard !

Over 1000 equipments delivered worldwide, while fulfilling each of the particular requests from any of its customers and partners with the exact level of customization required by their applications.

A special taste for innovation also leads to continuous improvement of the technical solutions provided along the customization.

Up-to-date is not enough, at BÜHLER REDEX the aim is to deliver today tomorrow's solutions, while keeping the top quality which ever made the company's reputation.

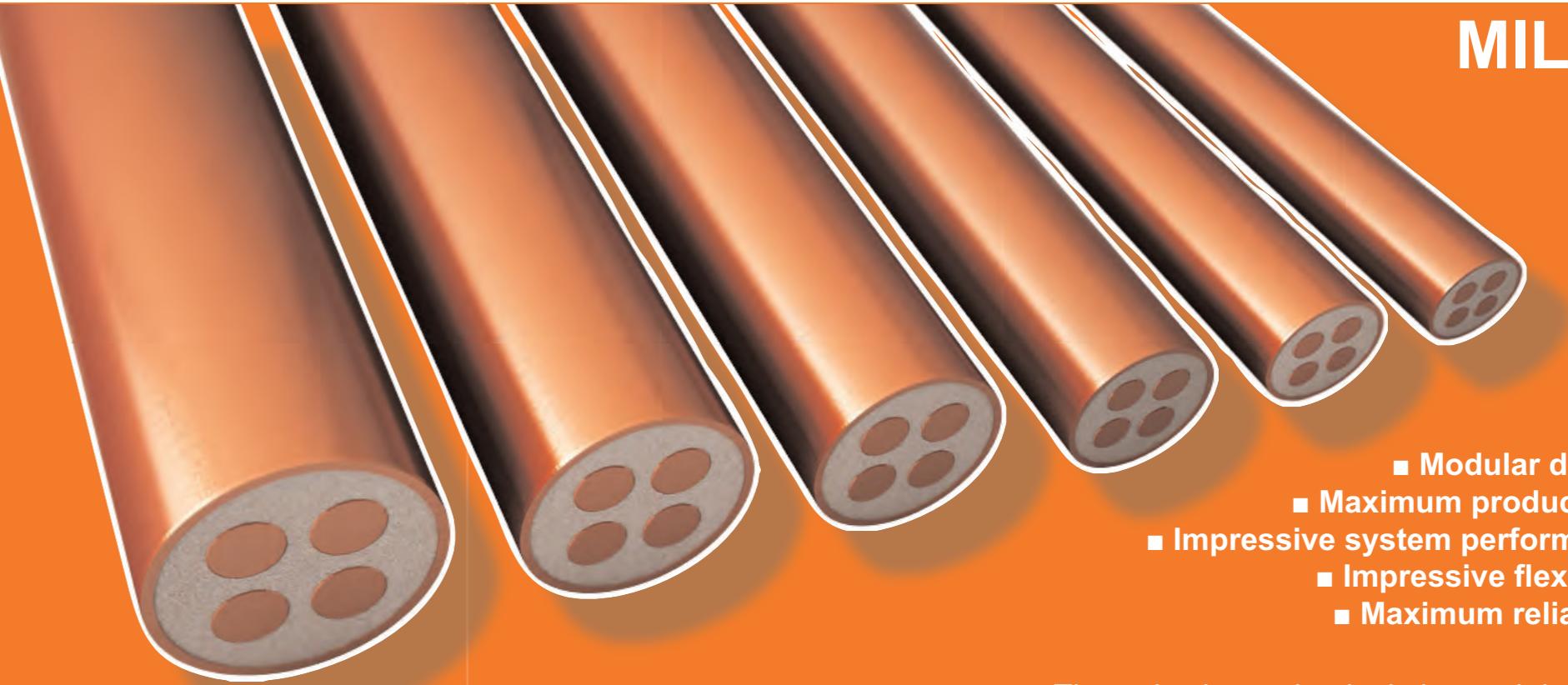
**Great achievements start this us**

## BÜHLER REDEX

Metal Precision Machines



## WIRE REDUCTION MILLS



### Wire Reduction

#### Mills

BÜHLER REDEX manufactures complete cold rolling mills based on the world's most comprehensive equipment portfolio.

According to your specific process requests, BÜHLER REDEX is the best partner to offer custom designed system configuration, including all the needed ancillaries equipment, fitted at the best to your global organisation.

BÜHLER REDEX makes you benefit from the enhanced combination of its broad level of experience in high technology, in its deep know-how of processes, and in an unbeatable wide portfolio of specialties

- Wire reduction rolling mills
- Strip rolling mills
- Flat and profile wire rolling mills
- Flux Core Welding-Lines
- Inline annealing ovens
- Complete production lines
- PV-Ribbon machines

- Modular design
- Maximum productivity
- Impressive system performance
- Impressive flexibility
- Maximum reliability

The reduction technologie beyond drawing:

- Maximum hardness material
- Lower ductility material

**leads to faster Return On Investment !**

**BÜHLER REDEX GmbH**

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