

## Wire reduction mill

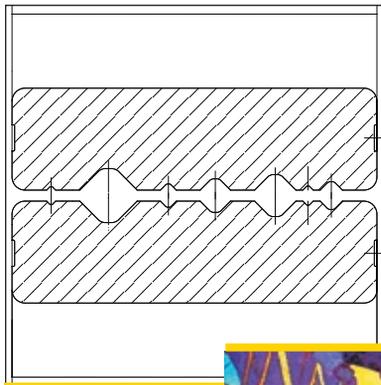
Faster return on investment thanks to

- **Modular design for all size ranges and production volumes**
- **Maximum productivity**
- **Impressive system performance**
- **Convincing flexibility and**
- **Maximum availability**

***Efficiency is cool.***

## The Bühler wire reduction mills feature a high processing speed with excellent working of the materials.

Reduction mills are used to reduce the cross-section of all rollable materials. Starting from a round primary material, the diameter is reduced to a suitably small final profile.



Bühler designs and builds these continuous or intermittent wire reduction mills for all dimensions, profile shapes and production volumes. Because the modular design means that any number of

reduction phases and roller diameters are available, Bühler customers can count on our experience and on economically efficient production.

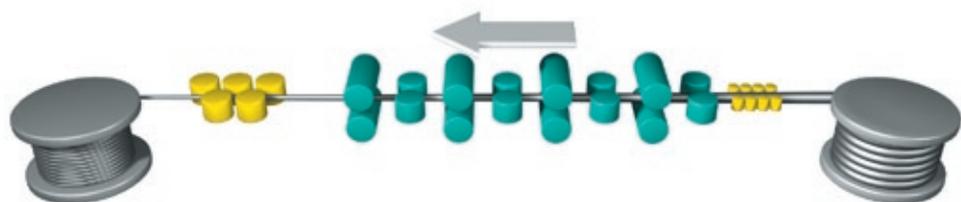
Bühler cold rolling mills can offer you maximum productivity because maximum system performance, convincing flexibility and maximum availability mean a faster return-on-investment.



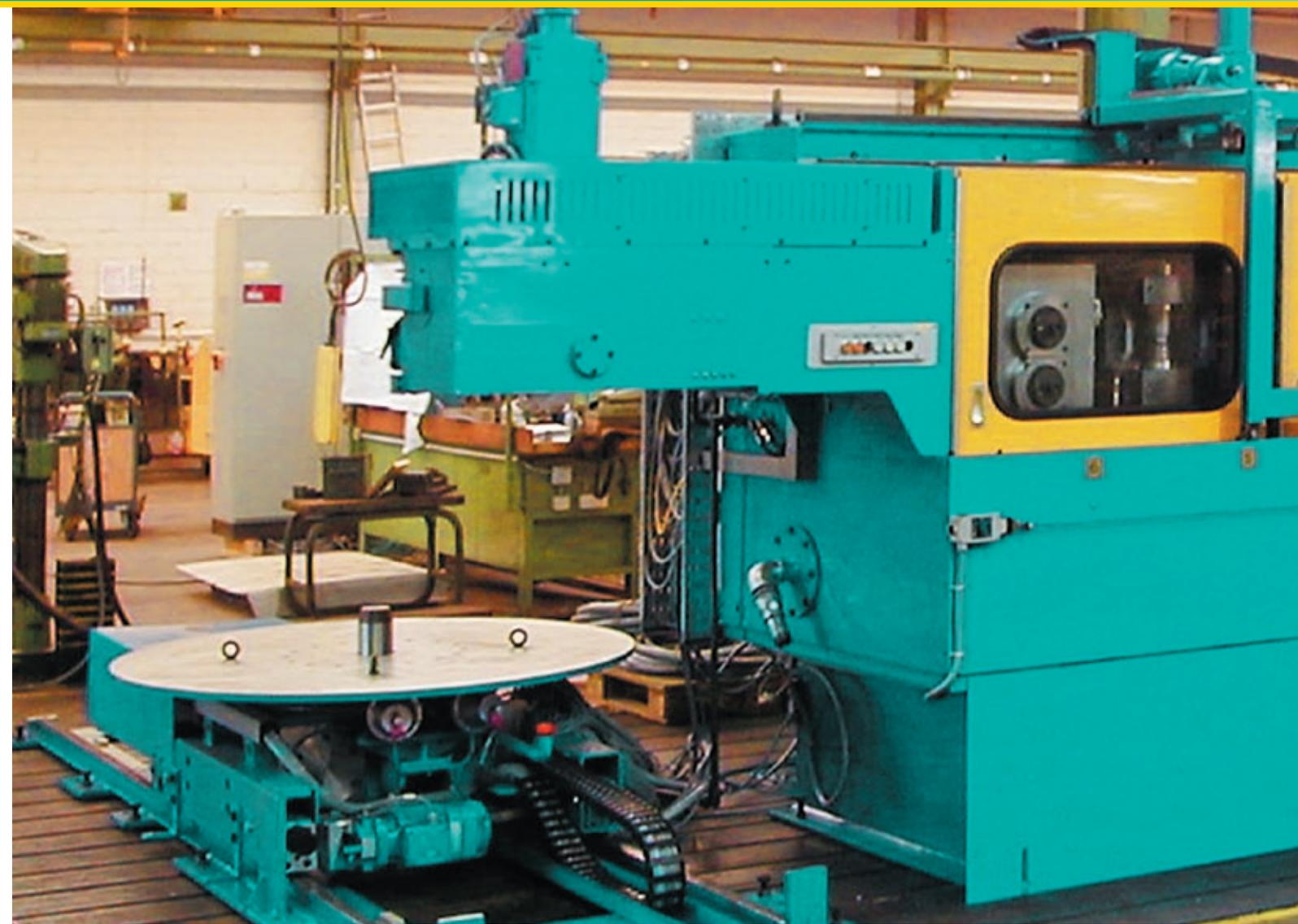
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### Schematic diagram for reduction

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.



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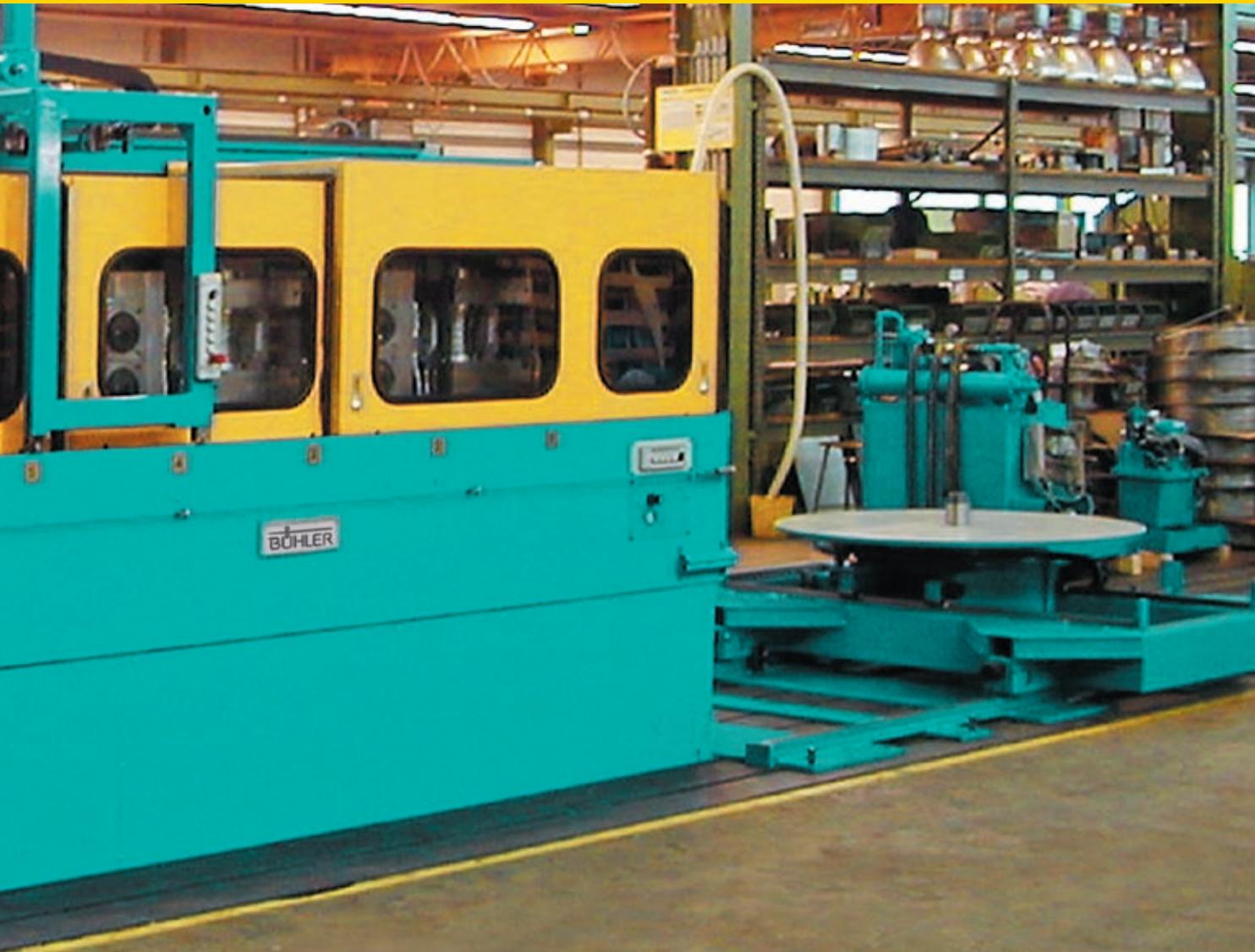
Rolling rings with multiple rolling grooves, automatic track adjustment and short changeover times



Roll stands in high-speed configuration, guides between the roll stands for secure and fast changing of products



Pusher for easy insertion of wire – no need to sharpen wire ends, etc.



Reduction mill with alignment line, pusher and vertical/horizontal stand. Roller rings and guides designed for several profiles, stand can be moved automatically to operating position.



Guides for wire reduction

## Efficiency is cool. And efficiency is good news!



These days you won't get anywhere without verifiable performance and economic efficiency. This just as much the case for you as for us! That's why our aim in developing and marketing Bühler rolling mills is: Anything that strengthens your competitive position also strengthens our position with you. Win-win – good news – for you and for us! That's what motivates us.

### **That's why the products produced on Bühler rolling mills give you a lead over your competitors:**

**You can choose from our complete system technology** for rolling, drawing, annealing and winding round, flat or profile wires made from copper, copper alloys, nickel, nickel alloys, other non-ferrous metals, as well as composite materials, noble metal alloys and dispersion materials.

**You can manufacture your high-tech products** using the latest rolling techniques, achieving high-precision results specially tailored by Bühler to your needs.

**You will also benefit from our wide-ranging know-how** for reducing, compressing or profiling all formable materials for producing the finest band materials, flat and round profiles with tolerances measured in  $\mu$ .



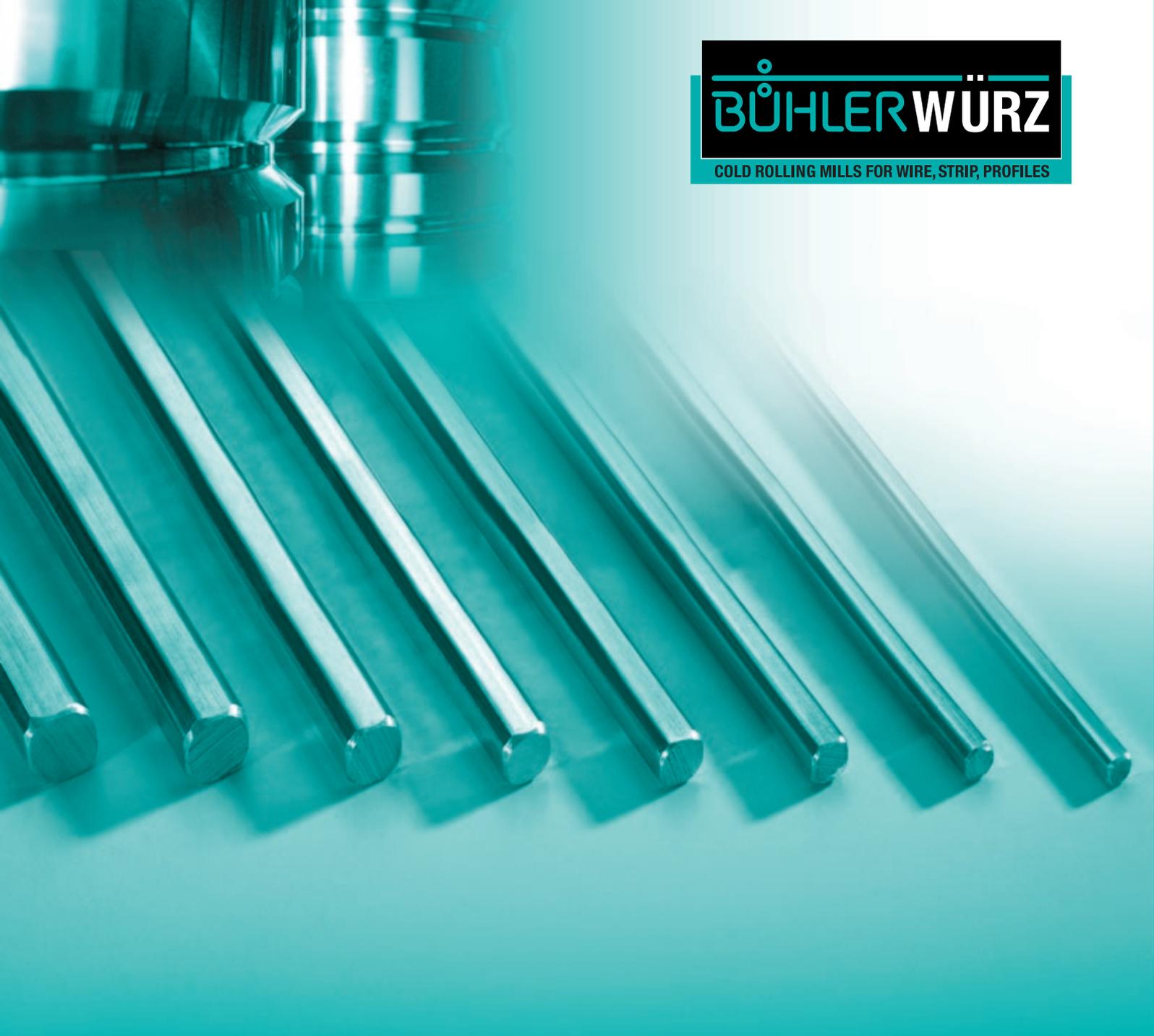
This superior efficiency results from an expertise in mechanical engineering and metallurgy that can only be offered by a specialist with over 125 years of experience in rolling mill construction: Bühler & Co GmbH.

- with a team of over 100 experienced employees in Pforzheim,
- with a worldwide sales and service network and
- with experience in over 1,000 made-to-measure Bühler systems that guarantee efficiency throughout the world.

And efficiency is good news.

That's the reason for the Bühler slogan: Efficiency is cool.





**BÜHLERWÜRZ**

COLD ROLLING MILLS FOR WIRE, STRIP, PROFILES

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