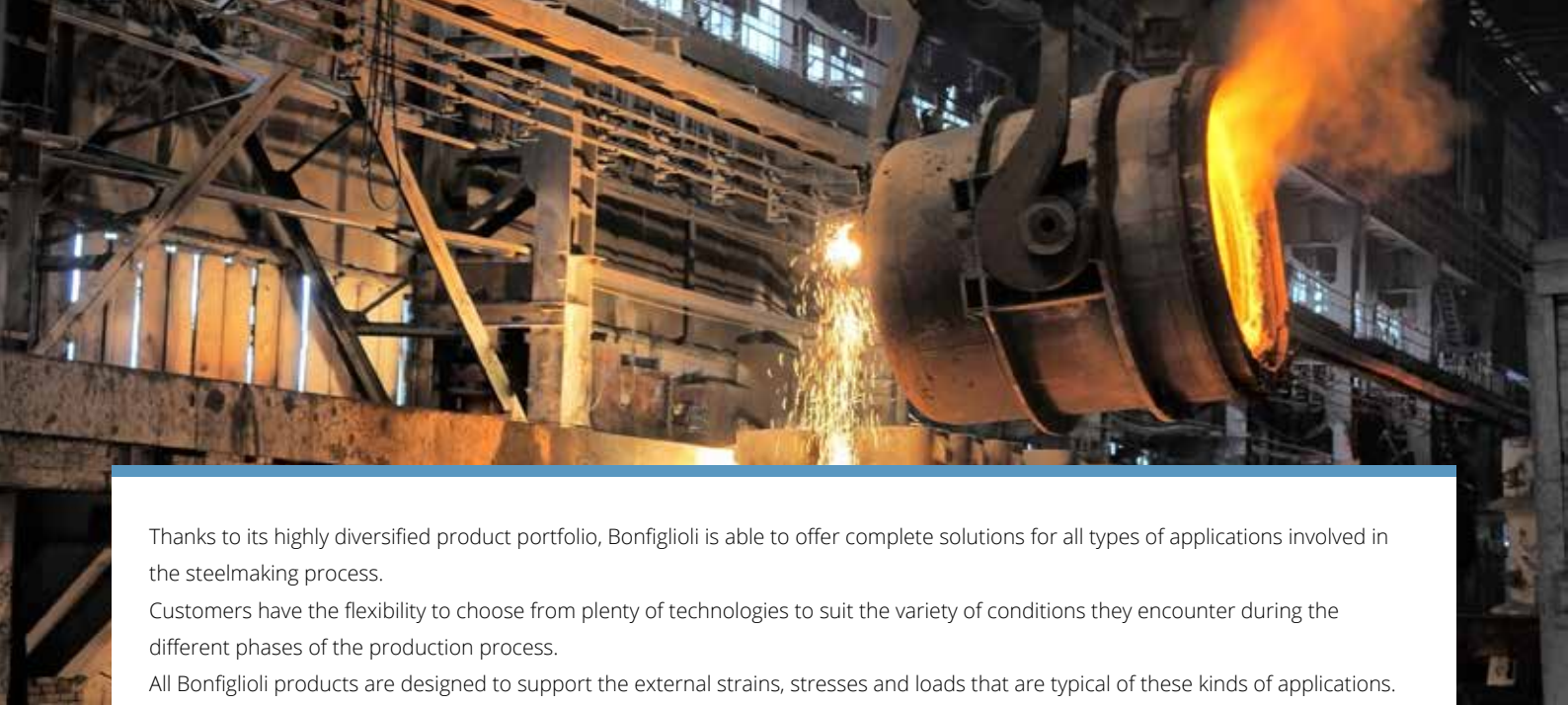




Solutions for
**METALLURGY
INDUSTRY**

 **Bonfiglioli**



Thanks to its highly diversified product portfolio, Bonfiglioli is able to offer complete solutions for all types of applications involved in the steelmaking process.

Customers have the flexibility to choose from plenty of technologies to suit the variety of conditions they encounter during the different phases of the production process.

All Bonfiglioli products are designed to support the external strains, stresses and loads that are typical of these kinds of applications.

The materials used and the quality of the parts means that they are even suitable for use in high-temperature environments.

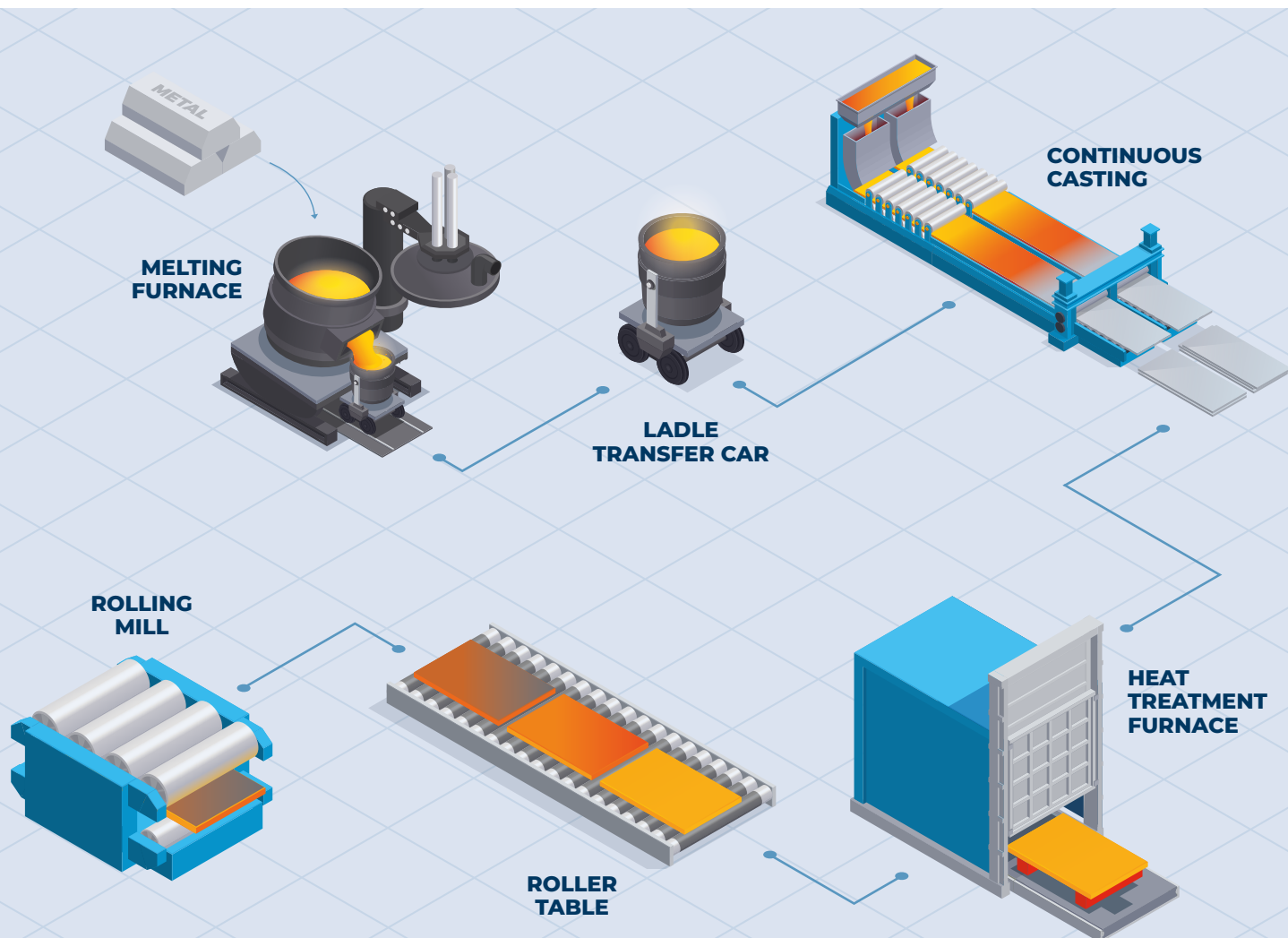
Every drive system can be full optimized, drawing on a complete range of gearmotors, inverters and PLCs.

In addition to classic helical gear technology, Bonfiglioli also offers a selection of planetary gearboxes, providing greater torque density and enhanced reliability.

Various kinds of electric motors are also available: three-phase asynchronous, brushless and synchronous reluctance. The latter guarantees superior power density compared to an asynchronous motor of the same size, therefore reducing the overall dimensions of the drive system.

All our inverters are available as cabinet versions, powering installations up to 400 kW, or up to 22 kW when decentralized. The decentralized version keeps cabling costs and installation times down for each drive.

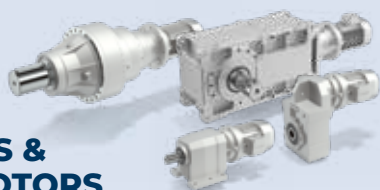
All Bonfiglioli products can be configured as required to meet the various application demands of the steel industry.



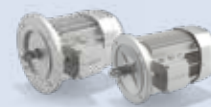
Solutions for METALLURGY INDUSTRY

HEAVY DUTY
LIGHT DUTY

GEARBOXES & GEARED MOTORS



MOTORS



Heavy duty parallel/right angle shaft geared motors

HDP/HDO Series

- **Torque range:** 5,190 to 210,000 Nm
- **Gear ratios:** 5.6 to 500

Planetary geared motors | 300 Series

- **Torque range:** 1,250 to 1,287,000 Nm
- **Gear ratios:** 3.4 ... 2,916

Worm geared motors | W/VF Series

- **Torque range:** 13 to 7,100 Nm
- **Gear ratios:** 5.6 to 500

Helical geared motors | C Series

- **Torque range:** 45 to 12,000 Nm
- **Gear ratios:** 5.6 to 500

Bevel-helical geared motors | A Series

- **Torque range:** 100 to 14,000 Nm
- **Gear ratios:** 5.6 to 500

Shaft-mounted geared motors | F Series

- **Torque range:** 140 to 14,000 Nm
- **Gear ratios:** 5.6 to 500

Asynchronous IEC motors | BN, BE, BX Series

Asynchronous compact motors | MN, ME, MX series

A complete range of AC motors, meeting worldwide MEPS (e.g. IE3)

- **Power range:** 0.06 to 355 kW
- **Poles:** from 2 to 8 and multiple poles

IE3

Asynchronous motors | BN, BE, BX, M, ME, MX Series

A complete range of AC motors, meeting worldwide MEPS (e.g. IE3)

- **Power range:** 0.06 to 355 kW
- **Poles:** from 2 to 8 and multiple poles

IE3

Synchronous reluctance motors | BSR Series

Two different versions for different needs:

High efficiency IE4 and high output

- **Power range:** 0.37 to 18.5 kW

IE4

CABINET INVERTERS



DECENTRALIZED INVERTERS



Cabinet solution | Active Cube 8 IP54

- **Power range:** 200 up to 1,200 kW
- **Voltage:** 400 V, 525V, 690V

Premium inverter | Active Cube Series

- **ACU210:** 0.25 - 9.2 kW / 1- or 3-phase
- **ACU410*:** 0.25 - 400 kW / 3-phase
- **ACU510*:** 160 - 400 kW / 3-phase
- **ACU610*:** 0.25 - 400 kW / 3-phase

Smart inverter | Agile Series

- **AGL202:** 0.12 - 3 kW / 1-phase
0.25 - 7.5 kW / 3-phase
- **AGL402:** 0.25 - 11 kW / 3-phase

Compact inverter | S2U Series

- **S2U230S---(F) IP66:** 0.25 - 400 kW / 3-phase

DGM1

- **Size A:** 0.37 - 1.1 kW / 1-phase
- **Voltage:** 230 V
- **Motor type:** Asynchronous

DGM3

- **Size A:** 0.55 - 1.5 kW / 3-phase
- **Size B:** 2.2 - 4 kW / 3-phase
- **Size C:** 5.5 - 7.5 Kw / 3-phase
- **Size D:** 11 - 22 kW / 3-phase
- **Voltage:** 3 x 200 Vac -10%... 480 Vac +10%
280 Vdc -10%... 680 Vdc +10%
- **Motor type:** Asynchronous

DGM MPM

- **Size A:** 0.55 - 1.5 kW / 3-phase
- **Size B:** 2.2 - 4 kW / 3-phase
- **Size C:** 5.5 - 7.5 Kw / 3-phase
- **Size D:** 11 - 30 kW / 3-phase
- **Voltage:** 3 x 200 Vac -10%... 480 Vac +10%
280 Vdc -10%... 680 Vdc +10%
- **Motor type:** Asynchronous & Synchronous

* up to 1200 kW with parallel connection



OUR GLOBAL PRESENCE

Thanks to an international network of closely interconnected commercial and production sites, we can guarantee the same high standards of Bonfiglioli quality anywhere at any given time. We know that our direct presence in local markets is the key to long-lasting success, so our family includes 20 production sites, 26 commercial sites and more than 550 distributors around the world.

Our organization is always close by, offering complete and efficient solutions and supporting our customers with dedicated services, co-engineering and after-sales assistance.


20
PRODUCTION SITES
26
COMMERCIAL SITES
80
COUNTRIES
550
DISTRIBUTORS
~4.700
PEOPLE

HEADQUARTERS

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