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London, January 21, 2021

## Primetals Technologies modernizes a rolling mill at Acciaierie Venete in Mura, Italy

- **Finishing train equipped with eight modern Red Ring Series 5 stands**
- **Shorter change times and easier maintenance tasks**
- **Existing rolling rolls and guiding equipment to be reutilized**

Primetals Technologies has been contracted by Acciaierie Venete S.p.A. for the modernization of the finishing train of the rolling mill installed in Mura (BS), Italy. The project comprises the replacement of eight existing housing-type rolling stands with modern housing-less type Red Ring Series 5 units, which are lighter and more conveniently movable from the rolling line to the workshop and vice versa. The new Red Ring stands will allow significantly shorter change times, and will make the maintenance operations easier and quicker. The series 5 of the Red Ring stands offers a prolonged lifetime of wear components. Existing rolling rolls and guiding equipment will be reutilized.

Primetals Technologies will provide the process technology, the design, the construction and the installation of the new equipment. The supply includes eight Red Ring RR575 in horizontal, vertical and convertible configurations. The supplied Red Ring stands have a maximum working roll centerline distance of 785 mm and a roll barrel of 1,000 mm. For one of the two convertible stands, a new gear reduction group will be supplied with a twin selectable exit, apt to drive the stand in either horizontal or vertical configuration.

The Red Ring chocks will be adapted to accommodate the radial bearings mounted in the existing stands, so that many rolling rolls may be reutilized, with only minor adaptations required. Also, the existing guiding equipment will be reused. In order for the present rolling campaign management to be as least affected as feasible, it will be possible to adjust the roll gap of the Red Ring stands either symmetrically or asymmetrically with respect to the rolling axis.

Beside the main eight stands, the supply comprises eight stands as operating spares, each with nucleus, holder, roll gap adjustment system and guide support system. Workshop devices for stand preparation and roll change, connecting roller tables, loop formers, lubrication and hydraulic components, and a set of stainless-steel piping round off the supply. The hot commissioning of modernized mill is expected to start in August 2021.

The rolling mill of Acciaierie Venete S.p.A. operating in Mura (BS) has a yearly production capacity of 180,000 tons and utilizes semi-products with widths between 220 and 390 mm. The mill processes carbon and quality steels, which are rolled in long products such as flats with 400 mm maximum width, symmetrical angles and U shapes with 150 mm maximum size.

Acciaierie Venete S.p.A. is headquartered in Padua. It first began producing steel in 1957 operating in the field of ingots, billets and rebars. At the beginning of the 1980s, the company began to move towards the production of high-quality long products, and it is now one of Europe's leading producers in the engineering steel market. With an annual production capacity of 1.8 million ton, Acciaierie Venete employs some 1,400 personnel and operates ten plants for the production and transformation of steel. Acciaierie Venete offers a wide range of products, such as high-quality bars, continuously cast round bars, wire rods and billets, which are used in a number of industrial sectors: automotive, earth-moving equipment and agricultural machinery, energy, mechanics and construction.

Red Ring is a registered trademark of Primetals Technologies in certain countries.



Red Ring Series 5 rolling stand by Primetals Technologies.

This press release and a press photo are available at [www.primetals.com/press/](http://www.primetals.com/press/)

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**Primetals Technologies, Limited**, headquartered in London, United Kingdom, is a pioneer and world leader in the fields of engineering, plant building, and the provision of lifecycle services for the metals industry. The company offers a complete technology, product, and services portfolio that includes integrated electrics and automation, digitalization, and environmental solutions. This covers every step of the iron and steel production chain—from the raw materials to the finished product—and includes the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries and partners, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website [www.primetals.com](http://www.primetals.com).