

Press release – 14.07.2017

## Bronx two-roll straightener for premium quality steel bars

Baosteel Special Metals Shaoguan, China entrusted Fives, a global industrial engineering group, to design and supply a Bronx straightening machine to process high-yield, heat-treated premium quality steel bars.

### Advanced roll technology

The Bronx two-roll straightener PBRV6 is a fully automatic, motorized machine, complete with ancillary electrical and hydraulic control systems, which is able to process steel bars, up to 80mm in diameter at operating speeds of up to 75m/minute. The machine will be designed and pre-assembled at Fives' workshop in England and supplied to China at the end of 2017.

**Fives is to supply a smart straightener**

"It's a very smart machine: all work roll and guide bar functions are set automatically from the HMI panel, located within the operators control desk. Advanced heat treatment processes and profile technology enables the machine work rolls to provide greater product straightness and ovality criteria, before re-profiling or roll change becomes necessary", says Jane Zhang, Fives Bronx representative in China.

Fives has been designing Bronx straightening machines since the 1950s. Today, more than 800 Bronx straightening machines have been designed and supplied in over 50 countries. Bronx bar straighteners are custom-engineered machines suitable for cold or hot rolled bars. They provide straightening solutions for virtually any material composition and any sizes ranging from 5mm to over 200mm. Bronx two-roll and multi-roll bar machines are used worldwide, providing high level of productivity, excellent standards of straightness, surface finish and controlled surface hardness.



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**About Fives in Steel**

Fives provides highly efficient technical solutions for the steel industry in the carbon, stainless and silicon sectors. Fives' global offer includes thermal, mechanical, induction equipment, surface treatment, rolling and strip processing for flat, tube & pipe and long products. Fives also offers a wide range of expert services, including metallurgical assistance, auditing, technical consulting, downstream client support, upgrade and retrofit capabilities. Fives' technologies achieve ultimate product quality, enhanced flexibility, reduced OPEX and minimized environmental impact.

**About Fives**

Fives is an industrial engineering Group with a heritage of over 200 years of engineering excellence and expertise. Fives designs and supplies machines, process equipment and production lines for the world's largest industrial groups in various sectors such as aluminum, steel, glass, automotive, logistics, aerospace, cement and energy, in both developing and developed countries.

In all these sectors, Fives designs and manufactures equipment and innovative solutions, which better anticipate and meet the needs of its customers in terms of performance, quality, safety and respect for the environment.

In 2016, Fives achieved a turnover of 1.8 billion euros and employed 8,400 people in over thirty countries.



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