

## Metinvest launches four strand rebar rolling at Makiivka Steel

Metinvest's specialists for the first time in Ukrainian industry's history have successfully rolled lot of rebars # 12 using four strands. The trial lot of 4,000 t was rolled on Mill-390 of Makiivka Iron and Steel Works. It is expected that total performance of the rolling mill using the new technology will increase by over 15%. Cost of additional equipment for the four-strand rolling of rebars #10 and #12 comprised UAH 8 mln.

In line with the strategic development plan of the specialized enterprises of Metinvest, implementation of «Rolling Conversion Development at Makiivka Steel is ongoing. The program was developed by the specialists of the Steel and Rolled Products Division. One of the activities to raise productivity of Mill-390 in production of small profiles (rebars ##8-16), was the implementation of the innovative technology of the rebars rolling using four strands. This technology has been mastered by individual plants in Italy, Turkey, Russia – and today, thanks to Metinvest's experience, in Ukraine as well.

Makiivka steel makers are the first and still the only Ukrainian specialists who have experience in implementation of such rolling technology. Technologically the four-strand rolling of rebars envisages one billet being divided into 4 strands, unlike the traditional approach of 2 strands. Then each of the strands is rolled into the set product separately. This technology saves time required for the billet processing. Total productivity of the mill increases by over 15%. The equipment for rebars rolling using the new technology was made by Swedish «Morgardshammar AB».

«Continuous improvement of production performance is important both for us and for our customers. Reduction of specific consumption rates per t of products is the objective, which is being continuously tackled by the whole specialized engineering team of the plant. Customers care about shorter lead times. And shorter lead times is what we will be able to guarantee with implementation of the new technology», — noted Interim General Director of Makiivka Steel, Aleksandr Chudnovets.

### **For editors:**

**Makiivka Iron and Steel Works CJSC** is a high-tech enterprise equipped with the most up-to-date rolling mills in Ukraine: medium sections mill-390 and wire mill-150 .

Medium sections mill-390 was commissioned in July 2009. It allows producing the whole range of rebars (Diameters of 8-40 mm), produce rebars up to A500 strength class, and if alloyed steels are used – up to Ar800, which are in especially high demand in high-tech construction sectors and bridge building, structural rounds (Diameter 10-14); hexagons (14-26, 30, 32, 36-42, 46,48 mm); squares (14-26 and 30 mm); angles (25, 32, 35, 40 ,45, 50 and 63 mm). Design capacity of the mill is 720 thous. t of finished rolled products per annum.

Wire mill-150 produces wire rod (5.5 to 12.5 mm). Design capacity of the mill is up to 800 thous. tpa.

In April 2010 Makiivka Steel was certified as compliant with EN ISO 9001-2005 standard in the field of sections and shaped products manufacturing. Rebars quality (A500C class) from mill-390 of the plant is fully compliant with DSTU 3760:2006, which has been reflected in the Minutes of the Test #127 dated 20.07.09 performed by the Electric Welding Institute named after E.O. Paton.

**Metinvest** is an international vertically integrated mining and metallurgical group of companies, Production facilities of Metinvest Group enterprises allow both to satisfy own demand for raw materials, liquid steel and semi-finished products and to be key supplier for major Ukrainian and European companies as well as Asian companies, The shareholders of Metinvest Group are SCM Group (75%) and Smart Holding (25%) that take part in management of Metinvest Group on partnership basis.

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