



## world IN BRIEF

### CYMCO INSTALLATION CHINA

Yunnan Metallurgical Group (CYMCO) has presently two 30 MVA Ferro-manganese smelting furnaces under construction and several smaller FeMn furnaces in operation. They have just built a state-of-the-art 68 MVA furnace to boost their production capacity. This is the largest FeMn furnace in China so far.

The order for the furnace refractory lining was placed with GrafTech, based on excellent performance and extended lining life these refractories have proven to offer operators of large Submerged Arc Furnaces around the world. GrafTech cooperated with Metix on this project, one of the leading South African engineering companies. The installation of the UCAR ChillKote lining was supervised by GrafTech from April 9 to May 20, ensuring that this 13,8 meter diameter furnace will offer CYMCO a very reliable manganese smelting furnace for many years to come.

POS Himetal and CYMCO join a long list of premier ferroalloy producers around the world who are taking advantage of the ChillKote system, including:

- Assmang Cato Ridge, South Africa
- Ferbasa, Brazil
- Ferrometals Witbank, South Africa
- Herculite Ferrochrome, South Africa
- Minera Autlan, Mexico
- BHP Billiton Metallurgy, South Africa
- SA Chrome, South Africa
- Temco, Australia
- Tubatse Ferrochrome, South Africa
- XSTRATA, South Africa
- Yiwang Ferroalloys, China
- Jindal Stainless Ltd (JSL), India
- VALE Manganese, France

### FURNACES FOR FECH PRODUCTION

The Turkish ferrochrome producer, Eti Krom A.S., has commissioned two submerged arc furnaces for the production of 90,000 tpy of H.C. ferrochrome. Both furnaces are operating above their design capacity.

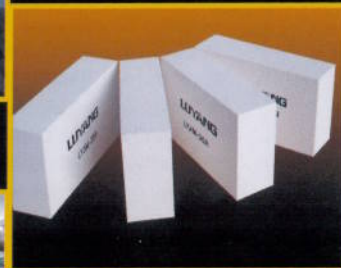
The order entailed the modification of two existing Elkem furnaces of closed design. The scope of supply included, in addition to the basic and detail engineering, the supply of the furnace vessel and of the furnace electrics and controls. The fact that the furnace had to be fitted into the existing construction of the bay and connected with the existing ancillary equipment posed a special challenge.

In addition, the implementation of an order for the construction of two further SAF units is currently underway. The two units will be equipped with energy recovery systems designed to exploit the thermal energy of the up to 800 °C hot furnace gases for the production of superheated steam. The energy contained in the steam will be used to drive a steam turbine, which will generate electricity via a 5-MW generator. Moreover, a dedusting system will be installed.

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