



**EMC TECHNOLOGIES**

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# Electric Arc Furnaces

## Company Information

EMC Technologies, is a North American high-tech company that specializes in the research, design, manufacture, installation and debugging of works related to Electric Arc Furnaces for AC/DC steel fabrication, ladle refinery furnaces, ferroalloy submerged arc furnaces, ferroalloy refinery furnaces, electros slag remelting furnaces, non-standard metallurgical equipment, thermal processing equipment, and all kinds of relevant environmental dedusting equipment. Our production plant is located in China. The product design and manufacturing capability in our plant offers several capabilities. It can be a maximum of 100 tons for electric arc furnaces, 160 tons for ladle refinery furnaces, and from 3600 KVA to 33000 KVA for submerged arc furnace capacity. The high-voltage and low-voltage compensation system, dust collection system, DC furnace for ferroalloys, and new power equipment suitable for practical operation are designed on the basis of industrial policy.

Taking the business philosophy of "People-Oriented Quality Assurance" as its guide, EMC Technologies owns a group of engineering technical personnel and management personnel with a high level of knowledge, competent business ability and rich experience. The manufacturing plant always keeps on innovation and development of new technology for metallurgical equipment on the basis of the combination of advanced technology from both domestic and overseas area. We develop and manufacture high-performance metallurgical equipment and environmental dust collection equipment, and also provide the Customer with the best pre-sales and after-sales service. We now have 139 employees in total, including 46 technical engineering personnel (5 senior engineers, 2 senior consultants, 26 technical engineering technicians and 13 project managers).

We adopted a scientific and standardized management mode, passed the certification of ISO9001 international quality management system, and obtained the installation certificate for electromechanical equipment and environmental engineering design/construction certificates issued by the State Ministry of Construction, which can ensure the relatively high level of our technology and quality of equipment and engineering management.

Our company has four (4) professional manufacturing plants with complete manufacturing equipment that ensure the good condition of product manufacturing, assembly and testing. Since large-scale electric furnace equipment is always non-standard equipment, strict verification and control must be carried out in every process in production. Equipment should be checked periodically based on the operation and management of the equipment to ensure the accuracy of the machined equipment to meet production needs. The special work processing path will be the mode for special work procedures and for choosing special equipment and clamping tools. Accountability: The position establishment operation will be carried out to strengthen inspection and supervision.

Philosophy, the company obeys the business purpose of "quality strives for survival, science and technology strives for development, reputation strives for profit" and the entrepreneurial spirit of "unite and progress, integrity and pragmatics" for years to provide the advanced. Same as highly qualified products for customers. And always keep researching and developing new types of electric metallurgical furnaces and environmental products in order to serve metallurgical and chemical engineering companies with all our hearts.

The engineering department consists of six professional construction teams, implementing the responsibility of project managers, project managers have rich experience in project management for large manufacturing companies at home and abroad many times to provide complete sets of equipment design, manufacturing and site construction, installation, commissioning and after-sales services. The company knows that as an engineering and equipment contractor, it is the contractor's responsibility to improve the reliability of the equipment and move forward as our goal, to do the best I can with all my dedication to the user

## Our Service

EMC, has established and insisted on a reliable after-sales service system. We are committed to: ① The equipment provided by us is permanently supplied with spare parts and technical service. ② Free maintenance or replacement is provided in case of any problem in the equipment due to the quality of manufacturing or installation during the quality guarantee period. ③ During the quality assurance period. We will respond to any customer's equipment problem within 4 hours via telephone, in case on-site service is required, our service staff will arrive at the site within 48 hours (for domestic customers only).

See some examples

# Engineering Construction Projects:



Our company with the United States new energy group jointly developed NEH series production in the new energy equipment in 2007



2 sets of 12600 kva production of industrial silicon furnace production in 2008



In 2009, high carbon ferrochrome dust removal equipment at the scene



In Mongolia in 2009 completed 16500 kva high carbon ferrochrome furnace equipment





2 sets of silicon furnace completed and put into production in 2010



The scene of the SQC titanium slag furnace slag



SQC titanium slag furnace slag  
crushing workshop at the scene



SQC titanium slag furnace water  
pump room at the scene



Construction and put into  
production the SQC titanium  
slag smelting with feeding  
equipment



Construction and put into production the SQC titanium slag smelting dust removal equipment

Control system







Short net - arc furnace



Steel making arc furnace steel field



The scene of the steelmaking arc furnace



Chemical cracking electric arc furnace



High carbon ferrochrome furnace



Four hole dust at the scene of the steel-making arc furnace



The scene of the dc electric arc furnace



Electric arc furnace dust hood





Air box pulse bag filter



Low carbon ferrochrome furnace  
DSC00036





Half shaft resistance heating  
furnace push rod

