



We Process the Best &
Recycle the Rest

FAKOOR Meghnatis Spadana Co.
www.fms-co.com

Design, Manufacturing
& Supply of Mineral Processing
& Materials Handling Equipment



Fakoor Meghnatis Spadana Co. (FMS)

Fakoor Meghnatis Spadana Co. (FMS Co.) as a member of Namaad Sanat Pars Group in its mining subgroup came forward in 2004 as a production unit with the mission of designing and manufacturing of mining equipment commissioned by EPC based Fakoor San'at Tehran Co. (FST Co.).

1990s

Fakoor Sanat Tehran Co. initiated its activities in early 1990s with the purpose of designing and manufacturing of iron ore processing equipment. Following its successful performance and customer satisfaction on the quality of products and services, Fakoor Sanat Tehran Co. expanded its scope of activities from manufacturing to execute EPC projects.

2000s

To expand its scope of activities for implementing EPC projects nationwide, Fakoor Sanat Tehran Co. defined its production unit as a new company. FMS, thus, was established in 2002 aimed at designing, manufacturing and producing the equipment for iron ore processing plants and focusing on magnetic separation systems.

FMS was registered in 2004, and constructed its factory in Oshtorjan Industrial Park, Isfahan, concentrating on production.

By late 2000s, FMS succeeded in manufacturing magnetic equipment as well as designing and producing material handling systems, using respective know-how acquired from Fakoor Sanat Tehran Co. and also relying on its practical science and achieved skills in mining and various industries throughout the country.

FMS Co. Products by the End of 2000s

Magnetic systems

- A Variety of electric/permanent magnetic separators
- A Variety of electromagnetic lifters including round, rectangular, and battery powered lifting magnets, small handheld magnets, and bipolar magnets
- Various magnetic traps
- Magnetic plates
- Magnetic windows

Material Handling Systems

- Conveyor belts
- Feeders
- Screens
- A Variety of hoppers and telescopic chutes
- A Variety of cable collectors

Application of Magnetic Systems

Magnetic systems can be used in iron ore mines, steel industry, metallurgy, casting industry, rolling and piping, ports and shipping, railways, military, cement, lime and gypsum, ferrous and nonferrous mines, minerals, porcelain and ceramics, crystal and glass, and chipboard and wood industry.

Application of Material Handling Systems

Material handling systems can be used in all mines such as ferrous and nonferrous, as well as industries like road and dam construction, asphalt, sand, cement, steel, casting, and crystal and glass.

2010s

After over two decades of continuous presence in domestic market, Fakoor Meghnatis Spadana Co. determined to change its production strategy to increase its share in domestic mining market, iron ore mines in particular.

In order to expand its activities in mining, and make the customer's voice heard better to satisfy their needs, FMS Co. embarked on designing and manufacturing of mining equipment technically in 2001. Accordingly, and based on a memorandum of understanding, FMS assigned another company to manufacture some of the products of industrial application, and concentrated on designing and manufacturing of the mining equipment.

Through offering high-quality products meeting the customers' needs, and good after-sales service, FMS, as one of the most prominent magnetic equipment manufacturers of the country, has fruitfully satisfied the needs of the country's iron ore mines in terms of installation and commissioning of the mineral processing lines and also offering material handling systems via specialized and experienced groups in design, quality assurance, quality control, planning, production, research and development, marketing and sales engineering.

Products of FMS Co. in 2010s

Mineral processing equipment (iron ore)

- Magnetic Wet Drum Separator
- Magnetic Belt Drum Separator
- Magnetic Housing Drum Separator
- Iron Ore Semi Mobile Processing Line
- Iron Ore Mobile Processing Line (Mobile Unit)

Material Handling Systems

- Screen
 - Roller Screen
 - Feeder
 - Conveyor Belt
- And
- Samplers

Mission

Relying on Our Knowledge & Innovation, Manufacturing & Supply of Equipment, and Creative Solution Providing, We Help Our Customers Make Gem out of the Soil

Pilot Plant

The need to process iron ore reserves is felt significantly due to the vast mentioned reserves in Iran and to meet the needs of steel industry in the country. Meanwhile, the most economical way of iron ore processing is magnetic separation using magnetic separators. Designing iron ore processing flow sheet and selecting the equipment eventually entails lab/pilot scale processing studies.

Enjoying the equipment such as crushers, sizing and dimensional analysis equipment, and magnetic separators, mineral processing laboratory of FMS Co. is capable of performing wide variety of magnetic separation tests in Lab and pilot scales. In addition to feasibility study of magnetic separation behavior of the materials, the above mentioned laboratory is able to design processing plans and select optimal needed equipment ultimately. Due to resemblance of pilot separators of this laboratory with the industrial ones, results of the mentioned tests in lab scale are well consistent with the industrial results in terms of grade and recovery. Thus, the desired processing plan can be designed and chosen with higher accuracy based on the results of the pilot laboratory.

The services offered by mineral processing laboratory of FMS Co. are as follow:

1. Crushing tests
2. Sizing tests
3. Magnetic separation tests (in lab/pilot scales)
4. Optimal magnetic separator selection based on the customer's need

Patents

- Coarse iron ore magnetic separation mobile unit
- Fine iron ore magnetic separation mobile unit

Mineral projects

- Optimization of Beneficiation Process in Chadormalu Iron Ore Concentrate Plant
- Sizing and Expansion of Golgohar Hematite Iron Ore Project
- Capacity Expansion of Golgohar Concentrate Production Plant
- Crushing and Sizing of Golgohar Iron Ore Project
- Enrichment of Iron Ore Natural Fine in Jalal Abad Mine
- Polycom Project of Ardakan Pelletizing Plant
- Development Plan for Sirjan Iron Ore Concentrate Project
- Development Plan for Zarand Iron Ore Concentrate Project
- Choghart Project
- Sirjan Iron Ore Concentrate project
- Zarand Iron Ore Concentrate project



Tehran – IRAN   +98 21 88742203

fms-co.com   +98 21 88544643