

MESCO

ENGINEERING QUARTERLY

Marketing Division

Vol.63

August

2018

Domestic Sales

We are hereby pleased to introduce to you examples of our deliveries made in response to our customers' needs based on our expertise developed and accumulated through our three business areas, i.e., engineering services, pipe business, and materials business, combined.

Mesco's Engineering Technologies Delivered in 2017

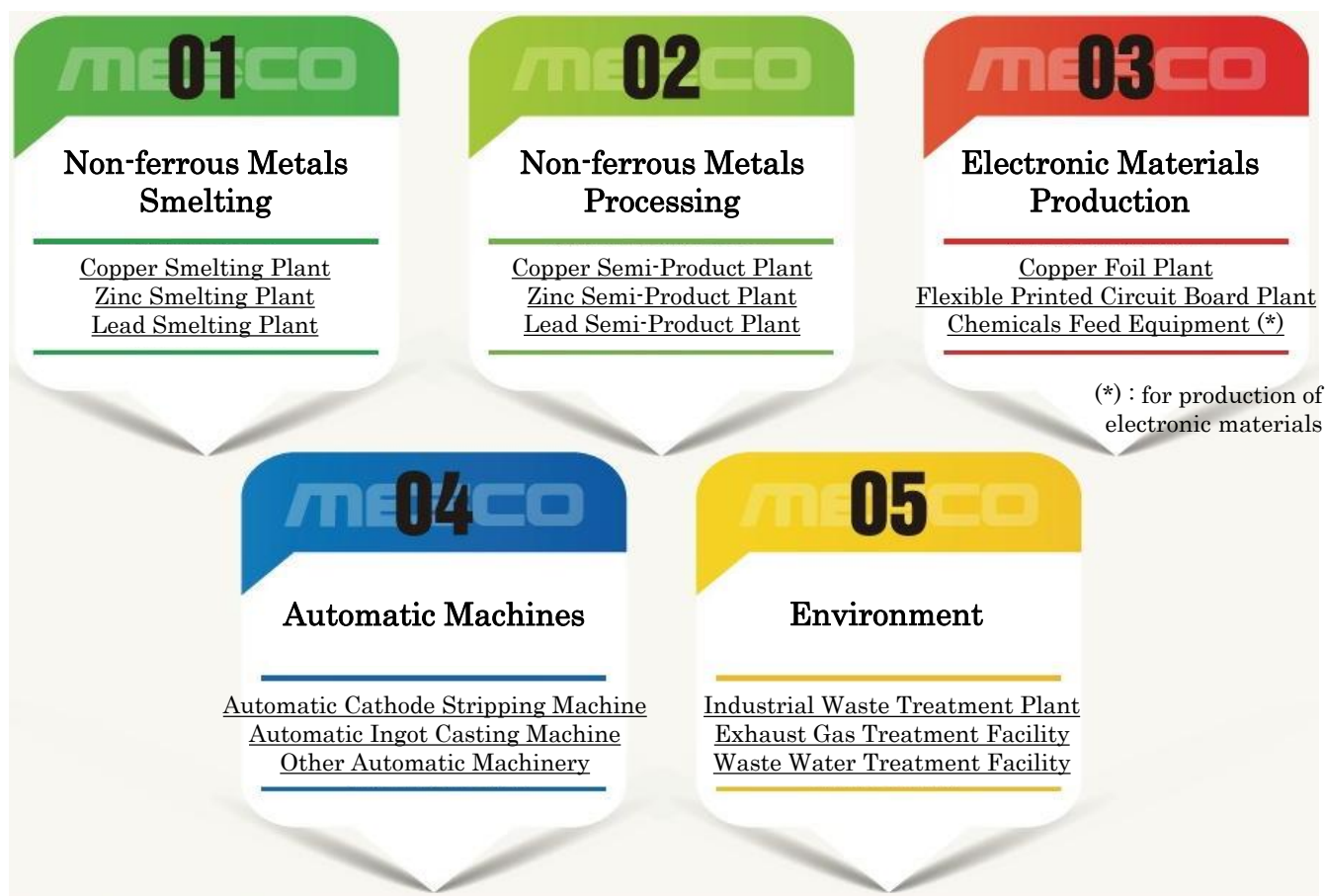


- Message from our new President.
- Let us, Mesco, help with your needs for constructing a plant overseas.



Mesco's Engineering Technologies

Delivered in 2017



Non-ferrous Metals Smelting

Identifying Problems between Processes and Offering Suggestions

--- Lead Anodes Delivered (January, July, and September) ---



Lead anodes produced by Quemetco, excellent in resistance to corrosion and deformation, with their life proven to be longer than those of the conventional lead anodes. Delivery continues this year to a number of non-ferrous metals producers.

Mesco's planning expertise

Project Planning & Feasibility Study

- Market research
- Feasibility study
- Environmental assessment
- Site survey & site selection

Mesco's service starts from the surveying and planning stage, covering our customers' needs, feasibility study, site condition evaluation, environmental assessment, and product market research.

We, Mesco, execute the entire project process starting from the planning stage, on to the project management phase, operation training, and maintenance services. We offer and provide optimum engineering services to suit the respective requirements of our customers by responding to their various needs through the entire project execution

Environment

Geothermal Resources Development Engineering & Survey

--- Basic design of a centralized hot spring control system (February) ---

We produced for and submitted to the cooperative of hot spring resource owners in Japan a basic design report for a centralized hot spring control system intended for effective utilization of the limited hot spring resources.



Mesco's engineering expertise

Engineering & Procurement

- **Basic design & detailed design**
- **Procurement**
- **Delivery control & transportation**

Mesco's specialized engineers in various fields with abundant experience provide optimum design under quality control management based on ISO 9001.

We procure optimum equipment and materials necessary for the work by taking into consideration the quality, safety, and price aspects. Special automatic equipment, etc. are designed and manufactured in-house by Mesco.

Non-ferrous Metals Proessing

New production line for cerium-oxide system based abrasive "MIREK™" delivered



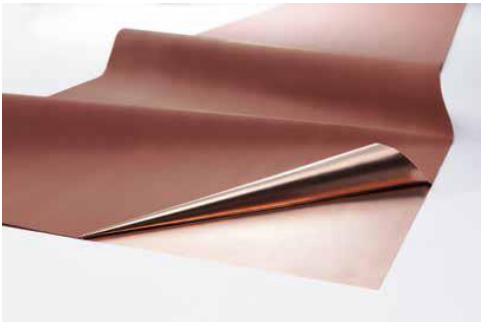
The HL series of MIREK™ has gained a high reputation for a wide range of applications for liquid crystal glass boards, hard disk glass boards, photomasks, optical glass, and lenses. Its demands are on the rise in response to the increasing sizes of the LCD TV screens. Mesco, delivered equipment for its production enhancement.

What is MIREK™?

An abrasive material with cerium-oxide as its main component, used in such advanced application areas as the electronics industry and optical industry. There is a variety of products available for the polishing applications, starting from the primary polishing stage through to the finishing stage, mainly for liquid crystal glass boards, hard disk glass boards, photomasks, and optical glass.

Electronic Materials Production

Production equipment delivered for micro-thin copper foil with carrier "MicroThin™"



MicroThin™ is now used for mother boards of smartphones (HDI printed circuit boards). Its growing market potential is promising. We, Mesco, delivered equipment for its production enhancement.

What is MicroThin™?

A material used extensively as components forming main circuits of advanced semiconductor package circuit boards mounted on smartphones, etc.

Message from our New President

It is with great pride and pleasure to assume the role of President. Under the business circumstances of unpredictable nature surrounding us both in Japan and overseas, I am prepared to take up the challenge with a commitment to respond to the expectations of our customers and shareholders to the best of my ability and for further growth of Mesco. I would sincerely appreciate your continued support extended to us at Mesco.

Mesco was founded in 1964 as Sankin Kiko Co., Ltd., and for more than 50 years ever since, we have engaged ourselves in the areas of engineering service business, pipe business, and materials business.

In the engineering service business area, we carry out the work of design, procurement, and construction for plant projects in the areas of non-ferrous materials smelting and refining, electronic materials production, and so forth, not only in Japan but also overseas, by setting up our own bases in a number of Asian countries (including Taiwan, Malaysia, and Thailand) and North America. Our recent references include hydropower plants and solar power plants.

Our Pipe Materials Division provide services of planning, design, manufacture, and installation of piping systems featuring use of our high-density polyethylene pipes. They are used for such applications as water supply to and sewage delivery from islands, hot spring water supply, and agricultural water supply, thanks to their properties resistant to earthquakes, corrosion, etc. Other applications serviced by our Materials Business Division with its materials include radiation shielding and sound insulation applications widely used by hospitals, research institutes, power plants, and so on.

We, Mesco, are committed to continuing our efforts to serve our customers with the best of our technologies and services, with our management policy of "Putting our Customers First", "Being Creating & Taking on Challenges", and "Taking Joy in our Work" as the basis, and will create further technological development and business opportunities, and thereby pursue the goal of becoming a company truly responsible, reliable, and filled with pride and enthusiasm that appeal to our customers. Thank you again for your attention.



Kazuhiko Aoki

Managing Director
&
President



Feel free to
contact us !!!

Any plans of constructing
a plant overseas?

Scan this
for details !



We, Mesco, are capable of providing a full package of services covering the plant site and infrastructure survey, plant building design, plant equipment design, procurement, and site construction work. Our references include our service provided to one of our customers who had a plan to build a plant in South East Asia, of proposing an optimum plant site to be selected based on the survey of the local industrial park for the construction and comparative study of the local pricing, infra-structure, and convenience conditions conducted. We then calculated the estimated costs of the plant construction and its associated expenses necessary and produced data for a feasibility study to be made by the customer. Our service for the customer also included evaluation of the overall capabilities of the local contractors to enable timely plant handover and straight start of the production to full capacity.

We have abundant track records of construction work in various areas, not only in the USA and EU, but also in South East Asia, South America, and others.



Engineering
Quarterly

Vol. 63

Issued Aug. 31, 2018

Produced and Authorized by:
Domestic Marketing & Sales Dept.

MESCO
Mesco, Inc.

Supporting the Technologies for Tomorrow

Head Office: Arca East 14 Fl., 3-2-1 Kinshi, Sumida-ku, Tokyo 130-8531, Japan

Phone +81-(0)3-5610-7839, Fax +81-(0)3-5610-7863

URL: <http://www.mesco.co.jp>

Overseas Offices: in Malaysia, Taiwan, Thailand, and the Philippines