



## About us

### Leading the Future of Engineering and Trading

Since its establishment, SETCO has become a prominent player in the engineering and trading sectors. Dedicated to delivering exceptional service, we have a track record of providing sustainable solutions that address our clients' complex industrial challenges.

### Decades of Engineering Expertise

Scientific for Engineering & Trading Co. (SETCO) was founded in 2000 in 10th of Ramadan City to be closer to customers in the industrial zone, offering them industrial equipment and raw materials. Our goal was to provide clients not only with technical services but also with scientific and engineering consultancy.

In 2008, SETCO opened a new branch in Heliopolis, Cairo, and relocated its head office there to support and expand our national and international activities.



### Mission

To enhance industrial efficiency with world-class engineering and reliable trading solutions.

### Vision

To be a leader in sustainable and technology-driven industrial solutions worldwide.

### Commitment to Quality and Customer Satisfaction

SETCO is dedicated to delivering outstanding, personalized, and flexible service to our national and international customers. We understand our customers' needs and strive to provide innovative and cost-effective solutions.

### High-Quality Products and Experienced Support

SETCO is committed to offering customers the highest quality products, supported by personalized service from our experienced sales staff. We achieve this by building long-term partnerships with foreign agencies and suppliers who share our commitment to quality and service.

## Services We Provide

At SETCO, Each service is designed with precision and innovation, ensuring operational efficiency and reliability. Explore our wide-ranging solutions crafted to elevate your industrial processes and exceed expectations.



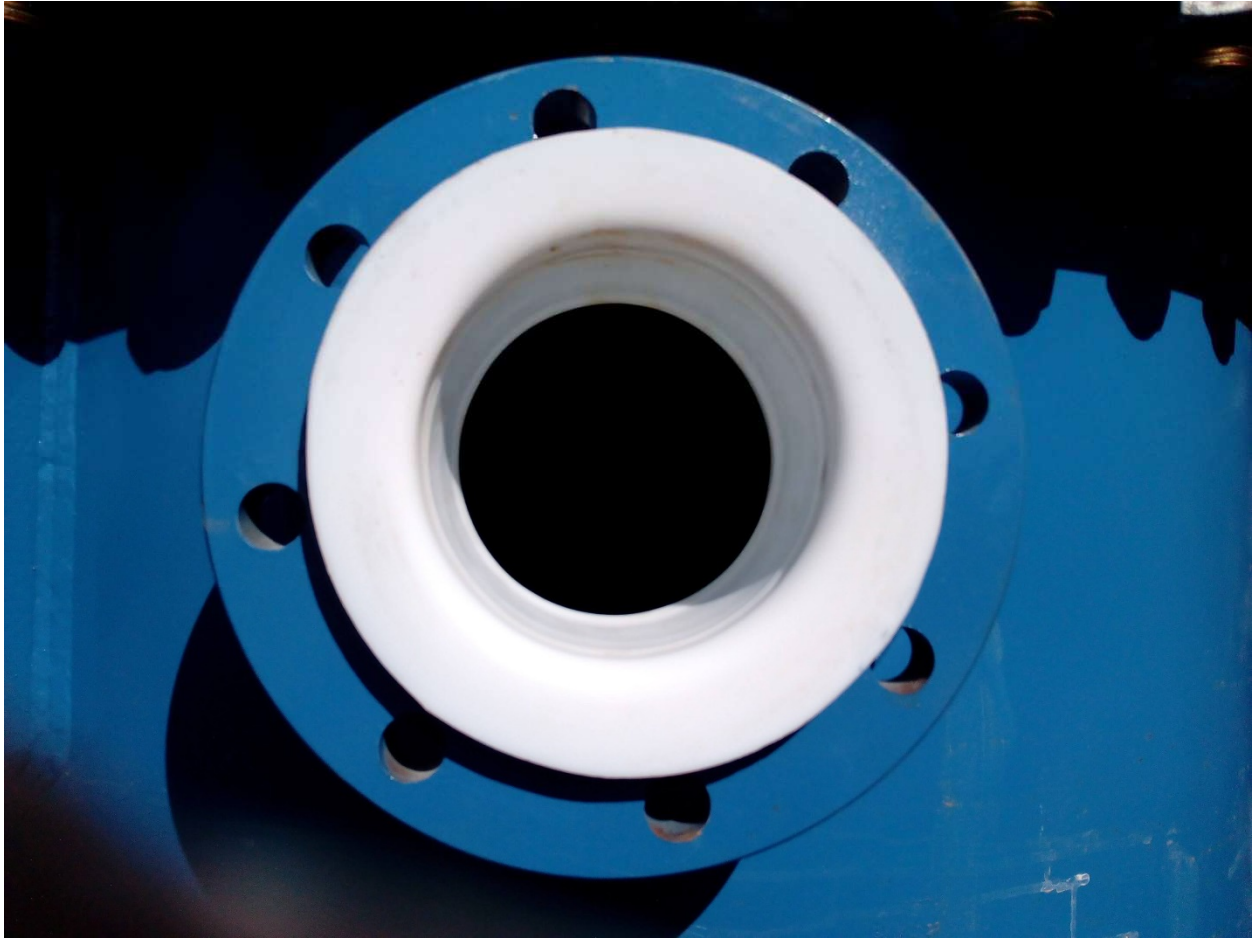
## Industrial Raw Materials



[Maintenance](#)



[Filtration Systems](#)



### Anti-Corrosion Systems

#### **Customizable Heat Transfer Systems**

##### **Tailored Solutions**

Custom systems designed to meet specific industrial requirements.

##### **Durability & Efficiency**

Engineered for high-performance and long-term use.

##### **Energy Optimization**

Focused on reducing energy consumption.

#### **In the field of heat transfer systems**

For over eighteen years, SETCO has offered comprehensive solutions in heat exchange systems to clients across diverse industries through its collaboration with Sondex Denmark Company. SETCO designs a range of heat exchangers tailored to each industry's unique requirements, production capacities, and operating conditions, such as pressure and temperature variations.



Our offerings include various types of plate heat exchangers—single or multi-track, welded, half-welded, spiral, and more—suited to the specific needs of industries like food processing (e.g., sugar, juice, dairy, oils, soaps, and fermentation), chemical processing (e.g., solvents, salts, and fertilizers), petroleum, power, gas, air conditioning, and refrigeration.



In industries with challenging production environments that use highly corrosive raw materials, such as acids and solvents, and involve high temperatures or steam, SETCO has partnered with Mersen France Company to offer robust solutions for these demanding conditions.

We provide graphite heaters, graphite connectors, and other specialized components designed to endure intense operational stages. Notably, SETCO has supplied custom-designed graphite heaters and spare parts to one of the factories of the Egyptian Sugar and Integrated Industries Company.

Moreover, SETCO, in cooperation with its agencies, Mersen France Company, can provide heaters and necessary equipment made of anti-corrosion tantalum.





Committed to exceptional service, SETCO maintains ongoing communication with its customers, offering technical consultations and maintenance for all supplied equipment.

Our unique service extends beyond standard offerings, providing clients with complete designs, detailed calculations, full drawings, and quality certifications for all supplied equipment. This includes documentation for both in-house equipment and materials procured from external suppliers, setting us apart from many design companies.

### **Precision Filtration for Diverse Industries**

#### **Wide Applicability**

Used in electronics, medical, automotive, food, and security industries.

#### **High Precision**

Filters tailored to meet stringent industrial standards.

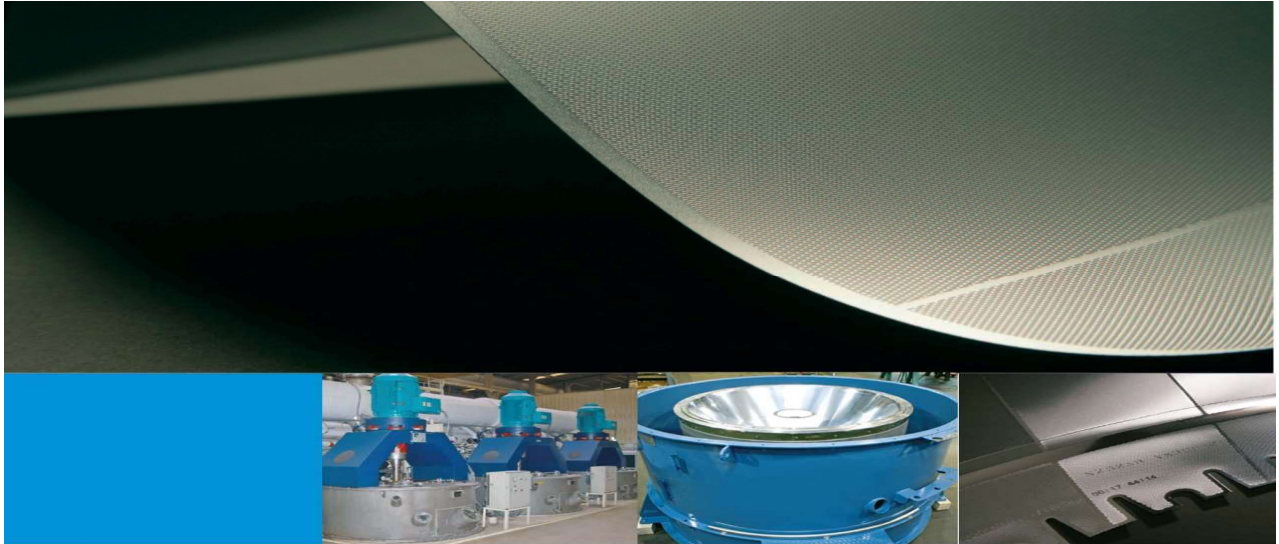
#### **Reliability**

Ensures consistent operation under varying conditions.

### **In the field of Filtration and Centrifugal Systems**

Since 2006, SETCO, in partnership with Veco France Company, has been supplying electroforming nickel sugar sieves to numerous sugar factories. Veco, a leading company in manufacturing sieves and filters for continuous centrifuges, provides sieves made of electrically precipitated nickel.

These sieves stand out due to their unique ability to capture more sugar crystals that would otherwise escape into molasses. This significantly enhances the efficiency of production units, increasing daily production rates. Additionally, their extended operational durability helps reduce production costs.



### **Customized Perforated Plates for Diverse Industries**

SETCO, in collaboration with Veco France Company, offers a wide range of perforated plates designed to meet the unique requirements of various industries such as sugar and paper manufacturing.

These plates are available in different sizes and perforation systems and are made from materials like stainless steel, copper, or other metals, tailored to the specifications of each client.



### **High-Precision Metal Components for Specialized Industries**

SETCO supplies high-precision metal parts to meet the demands of various industries, including:

- Electronics
- Medical
- Defense
- Automotive
- Food and Beverage
- Chemical
- Petroleum
- Plastics
- Aviation
- Security



## **Supporting screens**



### **Comprehensive Filtration Solutions**

In the field of filtration systems, SETCO provides wire mesh in a variety of types, crafted from different metals and available in customized sizes and lengths.

These solutions are tailored to the needs of customers across various industries, ensuring high performance and reliability.

### **internationally Recognized Anti-Corrosion Solutions**

#### **Unmatched Protection**

Shields critical components from corrosion.

#### **Cost Savings**

Reduces maintenance expenses over the system's life cycle.

#### **Environmental Safety**

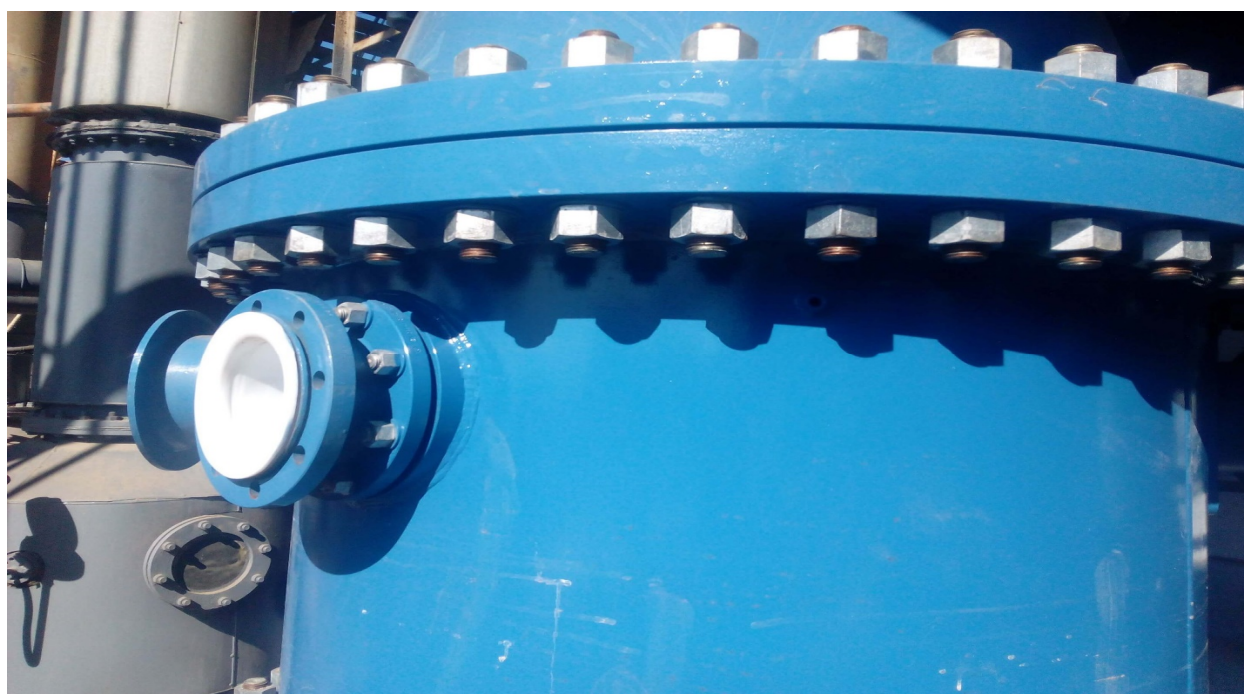
Designed with eco-friendly methods.

### **In the field of Anticorrosion Systems**

For over eighteen years, SETCO has proudly served the Egyptian Sugar and Integrated Industries Company, one of Egypt's largest and most influential industrial enterprises. One of their chemical factories, located in El-Hawamdia, has faced persistent issues with its production unit for over fifty years.

This unit, which is critical for producing solvents like ethyl acetate and butyl acetate, experienced severe erosion in the main reaction column due to the highly reactive materials involved in production. Frequent maintenance, including welding and part replacements, was necessary despite attempts to use more corrosion-resistant metals.

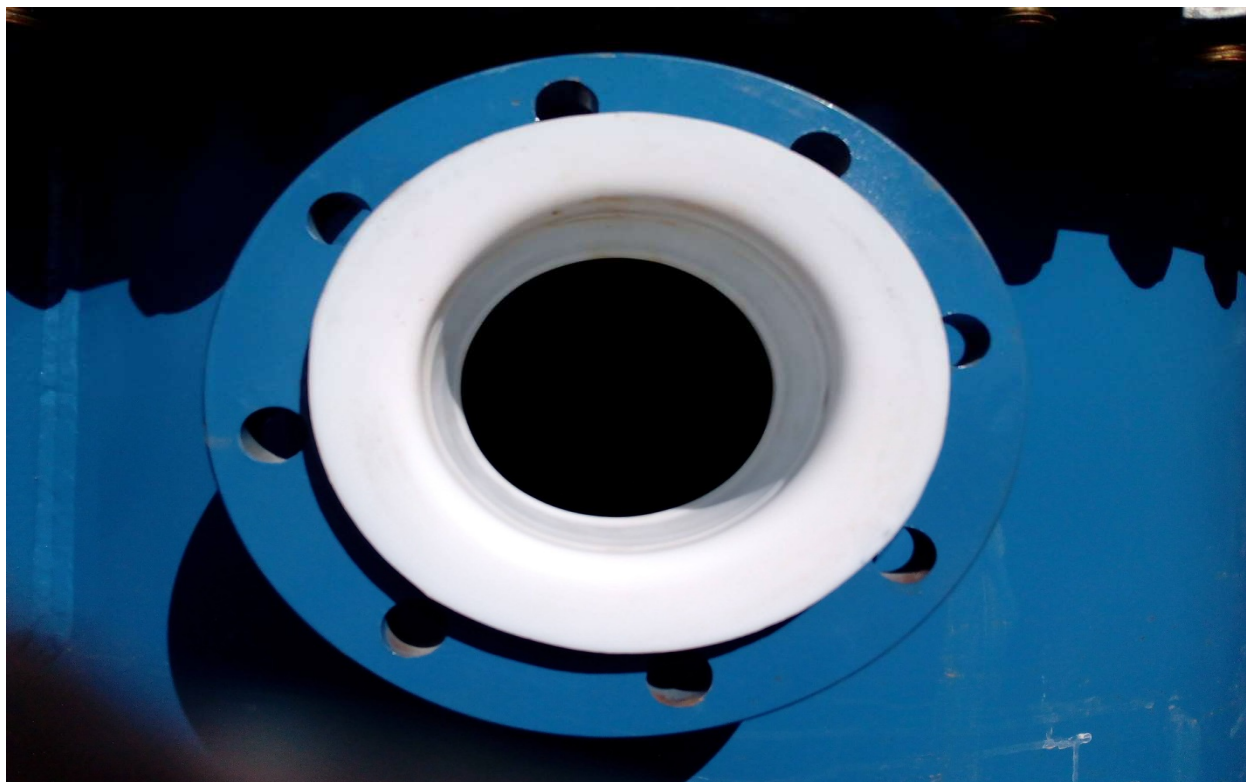
These challenges even prevented the company from producing other valuable products, like diethyl ether, which Egypt must currently import, due to the harsher reactivity of its production materials that no metal could withstand for more than a couple of days.



### **Innovative Solution Using Teflon-Lined Iron for Corrosion Resistance (2014)**

In 2014, SETCO, in partnership with Mersen France Company, introduced an innovative solution:

manufacturing the main parts of the reaction column using iron lined with anti-corrosive Teflon. These Teflon-lined components, designed to withstand the aggressive materials involved in production, were produced with large diameters of up to 1200 mm, incorporating reducers, feed holes, various measuring devices, and even a glass liquid level indicator.



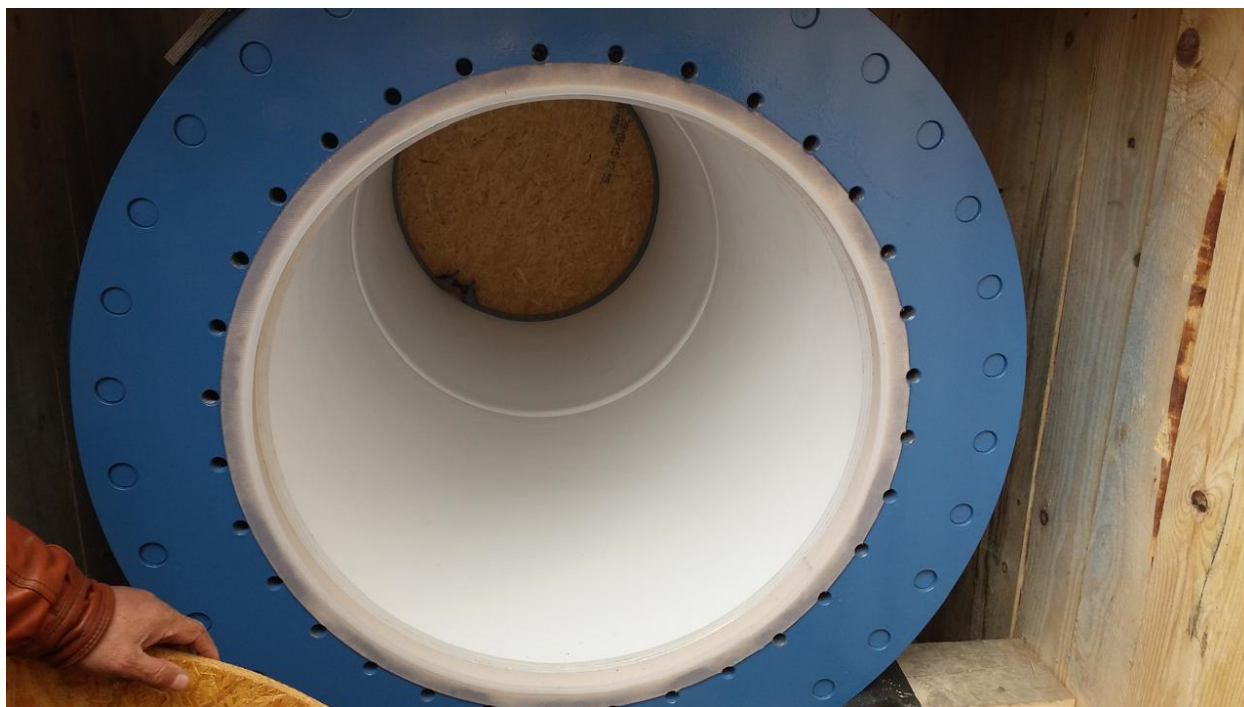
### **Implementation of Final Designs and Successful Operation (2015)**

By 2015, SETCO had finalized the designs and executive drawings for the primary components of the reaction column. Manufacturing began promptly, and the equipment was supplied, installed, and successfully put into operation the same year.

These parts have been operating efficiently ever since, marking a significant milestone for SETCO and the factory.

The successful completion of this project represented a major technological advancement. For the first time globally, large-scale, complex Teflon-lined parts were specifically manufactured for the Egyptian Sugar and Integrated Industries Company.

With this achievement, the factory could now produce essential solvents that were previously unattainable due to the severe chemical reaction conditions.



### **Complementary Solution for Enhanced Production Line Durability (2016)**

In 2016, SETCO proposed an additional enhancement: replacing the feeding line for the main reaction column and the transporter line for the reactive materials.

The new design included pipes, fittings, elbows, and tees made from iron lined with anti-corrosive PTFE/PFA Teflon. This updated feeding line was manufactured, supplied, and installed, effectively ending the operational challenges caused by the old line.

### **Revolutionary Technology for Corrosion-Prone Industries in Egypt**

The advanced technology developed by SETCO, in collaboration with Mersen France Company, represents a significant breakthrough for various Egyptian industries facing equipment corrosion challenges.

This solution is especially beneficial for factories producing acids, solvents, salts, fertilizers, paints, and other chemical products, setting a new standard for equipment durability and efficiency.



## **Reliable Maintenance Services for Continuous Operation**

### **Preventative Maintenance**

Scheduled upkeep to prevent costly breakdowns.

### **Expert Technicians**

Skilled professionals for reliable support.

### **24/7 Availability**

Ready to assist with immediate and scheduled needs.

### **In the field of Maintenance**

In line with SETCO's commitment to delivering exceptional service, the company goes beyond simply providing equipment catalogs. SETCO translates select manuals to assist workers who are not fluent in foreign languages, enabling them to perform maintenance tasks accurately in accordance with the manufacturer's guidelines. This approach ensures the longevity of the equipment and contributes to reducing production costs.



### **Ongoing Support and Technical Consultations**

SETCO maintains a proactive approach by regularly monitoring the equipment supplied to its customers. The company provides timely technical consultations and dispatches skilled technicians to assist with maintenance work, ensuring the smooth operation of the equipment.

### **Introducing Advanced Equipment and Industry Innovations**

SETCO remains in constant communication with its customers, offering them the latest advancements in equipment and industry innovations. This includes sending updated catalogs of newly developed equipment or arranging visits from international experts to educate technicians on cutting-edge industrial practices.

## **Premium Industrial Raw Materials for Efficient Production**

### **Reliable Supply**

Ensures availability of essential materials.

### **Quality Assurance**

Complies with global quality standards.

### **Direct Imports**

Streamlined access to high-demand materials.

### **Facilitating Access to Essential Industrial Raw Materials**

Aligned with its customer-focused policy, SETCO addresses the local unavailability of critical industrial raw materials by importing these products. SETCO ensures these essential materials are either stocked locally or made available through direct import for its customers' convenience.



## Supplying High-Quality Raw Materials from Global Leaders

SETCO partners with leading international companies from Germany, England, and China to import vital industrial raw materials. The range includes:

- Potato starch
- Food-grade vitamins (Vitamin B1, B6, Biotin)
- Calcium pantothenate
- Monohydrate glucose
- Food and industrial antifoam (foam inhibitors)
- Emulsifiers (used in fresh and instant dry bakery yeast production)
- Antioxidants (for bakery yeast manufacturing)
- Bleaching agents for food industries, such as bakery yeast



## Exclusive Representation of Birkamidon Company - Germany

SETCO proudly represents Birkamidon Company, a renowned German leader specializing in various starch products. Through this partnership, SETCO ensures the availability of high-quality starch solutions for its customers.