



# **OLEOCHEMICALS & BIOFUELS:**

## **High pressure plunger pumps for fatty acid and fatty alcohol production**

[www.peronipompe.com](http://www.peronipompe.com)

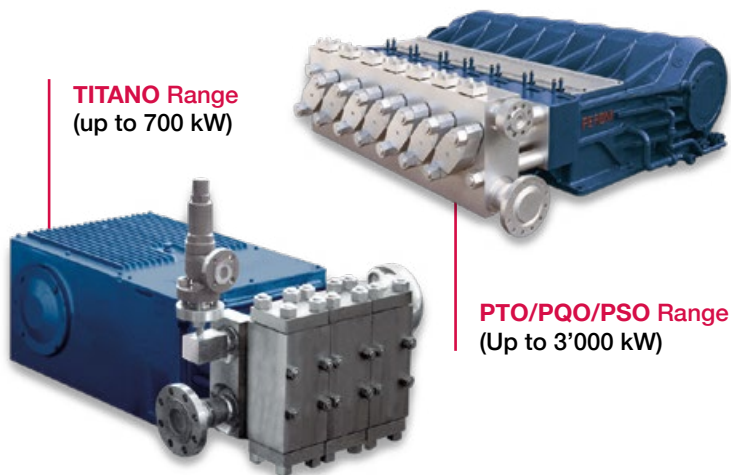


## ABOUT PERONI POMPE

Peroni Pompe S.p.A., founded in 1895 in Milan, Italy, is a leading manufacturer of high pressure reciprocating pumps. With over 125 years of experience, it offers customized solutions for critical applications in a broad range of industries.

### HIGH PRESSURE PUMPS

- > Reciprocating plunger pumps
- > Process diaphragm pumps
- > Steam driven pumps
- > Metering pumps



### EXPERIENCE IN THE OLEOCHEMICAL INDUSTRY

Reciprocating pumps are commonly used in the Oleochemicals industry to produce fatty acids (crude oil and process water feed) and fatty alcohols (hydrogenation feed), typically based on crude vegetable oils.

Peroni has a long history supplying pumps for oleochemicals, with projects executed for the most demanding engineering and end user firms worldwide.

In order to promptly address customer requests, Peroni Pompe's sales offices and authorized service centers are located around the globe, including Singapore, Malaysia, India, China and Brazil.

## TECHNICAL SOLUTIONS FOR THE DEMANDING REQUIREMENTS OF THE OLEOCHEMICAL INDUSTRY

Peroni Pompe's oleochemicals pumps are engineered to address the unique challenges of the oleochemical industry. Recognizing the aggressive nature and high temperatures of the media involved, these pumps are designed with materials and components that ensure durability and reliability. Plunger pumps, in particular, offer an ideal solution for the demands of fatty acid pumping in oleochemistry, thanks to their conservative dimensioning in terms of speed and load, resulting in minimal wear, extended maintenance intervals, and prolonged service life.

The adaptability of Peroni's plunger pumps allows for precise regulation of pumping capacity by adjusting the speed, with frequency-controlled drives optimizing performance and efficiency. Capable of delivering the required pressures and flow rates for the various processing stages of fatty acids, these pumps can handle pressures up to 300 bar and flow rates of 100 m<sup>3</sup>/h, as well as media temperatures up to 290°C.



## FATTY ALCOHOL PRODUCTION INDONESIA

**Pump model:** PTO 190  
**Fluid:** Fatty alcohol + catalyst  
**Capacity:** 64 m<sup>3</sup>/h  
**Pressure:** 250 bar  
**Temperature:** 220 °C



## FATTY ACID PRODUCTION SAUDI ARABIA

**Pump model:** Titano 3130N  
**Fluid:** Crude oil / Process water  
**Capacity:** 16 m<sup>3</sup>/h  
**Pressure:** 60 bar  
**Temperature:** 110 °C





**High pressure pumps  
for critical applications since 1895.**

## WORLDWIDE PRESENCE

Global reach, local support: our worldwide presence ensures unmatched service and spare parts accessibility in strategic locations.



 Peroni HQ and local branches  Service centers  Jetch HQ and plant



- > Materials and designs carefully selected for corrosive and high-temperature fluids
- > Extensive experience in pumps for fatty acid and fatty alcohol production
- > Certified organization and quality UNI EN ISO 9001, ISO 14001 and ISO 45001
- > Vertically integrated manufacturing

ISO 9001  
ISO 14001  
ISO 45001  
BUREAU VERITAS  
Certification



**PERONI POMPE S.P.A.**

Via Tacito, 4 - 20094 Corsico (Milano) Italy | (+39) 02 489 40 1 – sales@peronipompe.it – [www.peronipompe.com](http://www.peronipompe.com)

