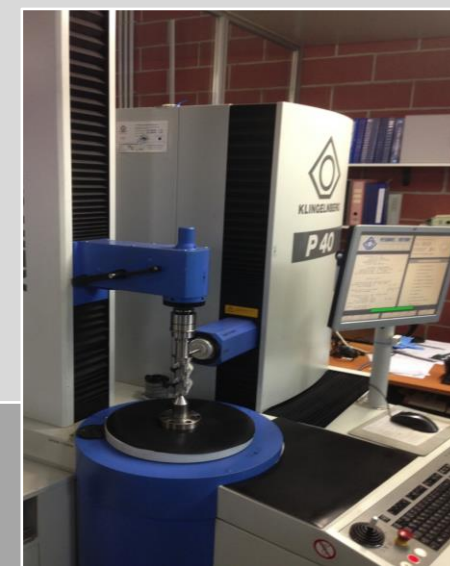
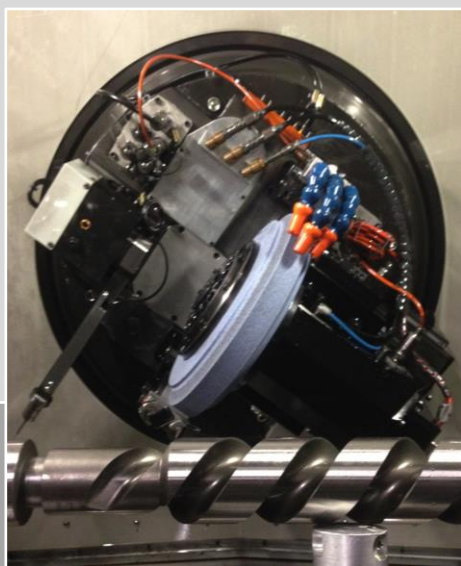




No noise hydraulic pumps for every industrial applications



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =



Continuum ® helical
rotor pumps
Screw pumps



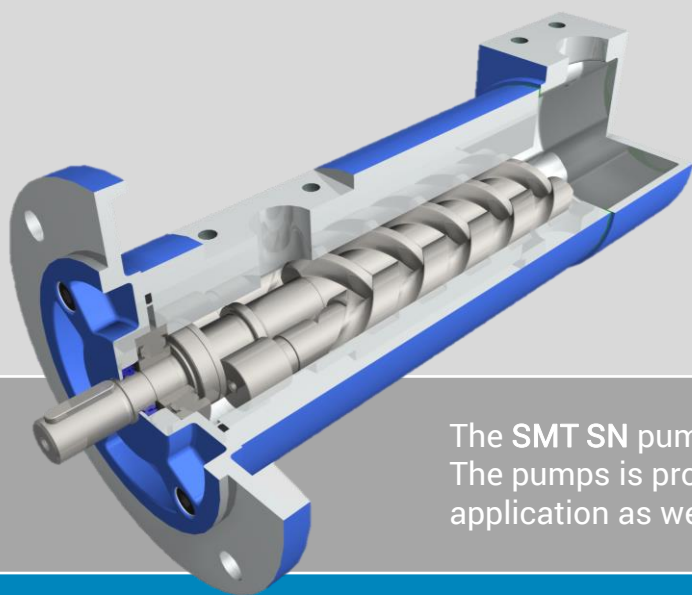
Screw pumps for USA

Seal-less leakage free pumps

Settima ® Meccanica s.r.l.
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www.settima.it

Company

- Established in **1978**, *Settima Meccanica* has a long-standing tradition as an Italian manufacturer of hydraulic screw pumps for industrial use and flow meters.
- Started into the **elevators and lift** business, *Settima Meccanica* has become, during the years, the market and technologic leader in many other industrial fields.
- On 2004 it has been founded *Settima Flow Mechanisms*, to launch on the market the revolutionary and innovative **no noise high pressure Continuum® pump**, an helical rotor pumps capable to eliminate any acoustic emission in very high power applications too.
- *Settima Meccanica* and *Settima Flow Mechanisms* reached more than one million pumps installed all around the world. The company has been merged in 2013 to create a stronger entity into the market.
- Settima support many non profit organization, focusing the activity on the education of the children and on the support to the maternity.



The **Wind-Mill lube oil and filtration** systems was one of the first application of **SMT SN** pumps. Today Settima serves the main gear boxes manufacturers. In the gear box lube SMT SN and 2VHL products can be used, especially in case where the operating environment are extreme, with viscosity values over **100.000 cSt** and environment temperatures are around **-40°**.

The SMT SN pump is in production since 1995. The pumps is profitably used in Wind-Mill application as well as any oil circulation activity

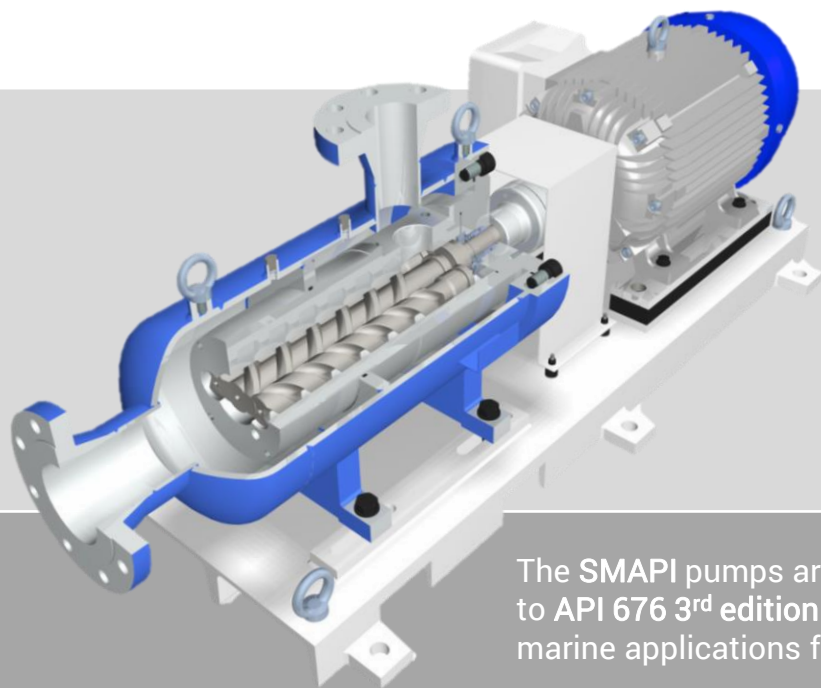


Figures

- Sales 2013: >19 million EUR (88% export)
- Production facility: 6500m², 3 production sites.
- More than 200.000 no noise pumps sold yearly.
- Active customers: > 1.000
- Employees: > 100
- Pumps fault in field: < 0,1%

Customers

- Industrial hydraulic
- Presses, baler compactors, plastic injection
- Filtration systems, tool machines, Cooling systems
- Lubrication systems & lube services
- Elevators & lifting platforms
- Mobiles, forklift, tractors, compactors
- Power generation
- Oil & Gas systems, petrochemical plants
- Marine, vessels & yachts
- Wind energy
- Food industry



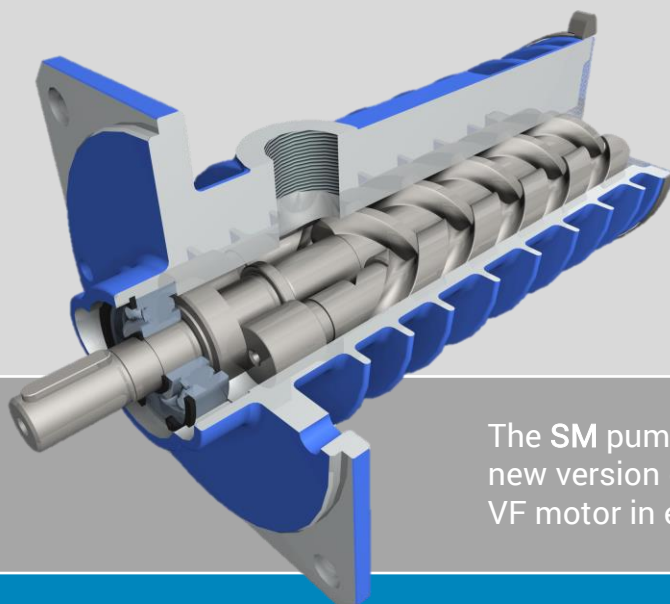
The **Marine and Oil& Gas industry** can have advantages from the design of the Settima pumps. The design, according to the API rules, enables a very fast service and maintenance. The Settima **SMAPI API 676** pumps are used also in cases where the API compliance is not requested because of the very easy maintenance.

The SMAPI pumps are manufactured according to API 676 3rd edition. The pumps are used in marine applications for boiler ignition / feeding.



Production facilities

- **Measurement systems:** two 3D measurement systems
- **Pump testing systems:** 15 testing system. Settima can internally test up to 250KW power unit.
- **Tool machines for screws and rotors:** more than 40 machines. There is a department dedicated to the high precision finishing of the rotors, including 6 grinding machines
- **Tool machines for bodies and covers:** 6 machining centers, in a dedicated high performances production line
- **Air depuration equipment:** Settima facility is an healthy place. Every single machine is filtered and the air pollution into the factories is strictly monitored.
- **Health and leisure:** within Settima there is a football field, where people, and our customers, are free to use it.



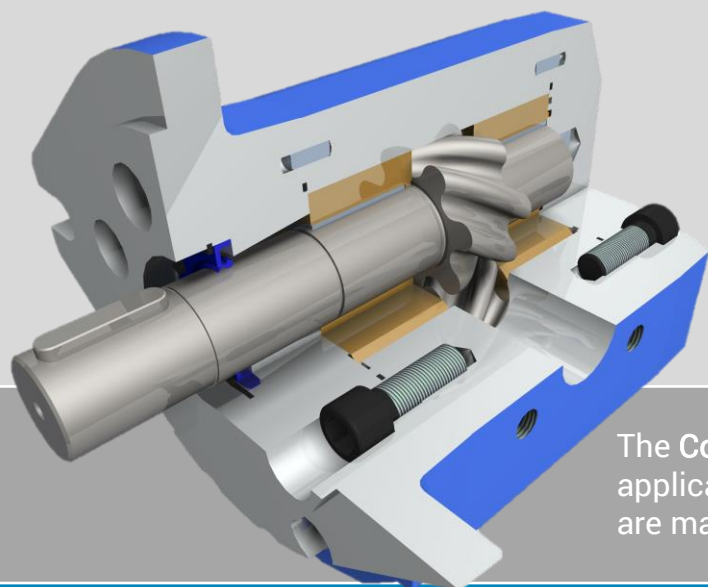
Since 1978 the **SM** screw pumps of Settima are used in the **elevator applications**. In the 1995 Settima developed the 1st screw pump that can be attached quickly to standard IEC motors, without bell-housing and coupling. This kind of pump today is a **reference for the home-lift application** because enables very compact and no noise power packs.

The **SM** pumps are used into **elevators**. The new version of the pump allows the usage with VF motor in energy saving systems.



Product innovation

- **Continuum® pumps:** Settima was the first in the market with a real innovation into the high pressure pump market. In 2004 Settima put into the market a very special and innovative low noise pump, patented in many countries (patents approved and pending). This new type of pump is using a revolutionary concept that goes beyond any other low noise pump solution.
- **Hollow shaft screw pumps:** Settima in 1995 was the first developing a very compact screw pump that is possible to connect directly to an electrical motor (IEC or NEMA). This enables our customer to save space (and money) within their systems.
- **SMT8B, the shortest screw pump in the market:** in 2000 Settima developed a very compact screw pump that today is the market reference in cooling applications, especially where a ultra compact design is necessary.



The **Continuum® no noise** helical rotor pump has been put in the market by Settima since the beginning 2003. The concept has been patented in many countries. Today the pumps is a reference for no noise high pressure applications and some competitors are already trying to copy the innovative and revolutionary concept.

The Continuum® no noise pumps are used in application where the very low noise emissions are mandatory for a **safe environment**



Product portfolio



- **Continuum[®] pumps:** for no noise applications up to 280 bar, from 2cc to 500cc, from 10 to 6.500 rpm, from 1 to 1.000 cSt. The pumps are developed according the international standards: our customer can easily replace noisy pumps like gear pumps, vane pumps or piston pumps simply plugging the Continuum[®] into the application without changing the motor connection.



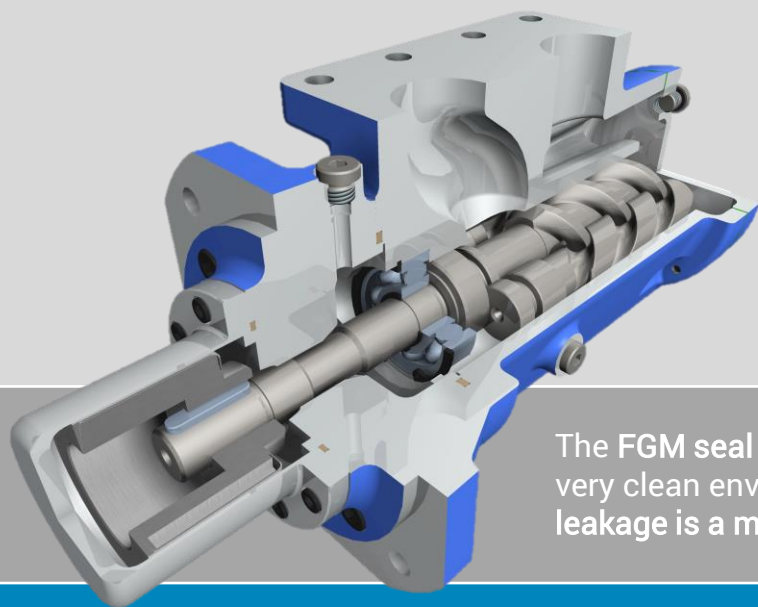
- **Three screws pumps:** for no noise applications up to 100 bar, from 2LPM to 5.000LPM, from 10 to 3.600 rpm, from 0.1 to 100.000 cSt. The pumps follow the ISO and SAE standard. With the same principle **flow meters** are done.



- **Three screws pumps for USA:** the Settima screw pumps can be manufactured also according the USA standard.



- **Seal less magnetic drive pumps:** the environment can be protected against oil pollution having the full warranty about the absence of leakage. The leakage free magnetic drive pumps of Settima can be used every where is absolutely mandatory to have no fluid leakage for years and years.



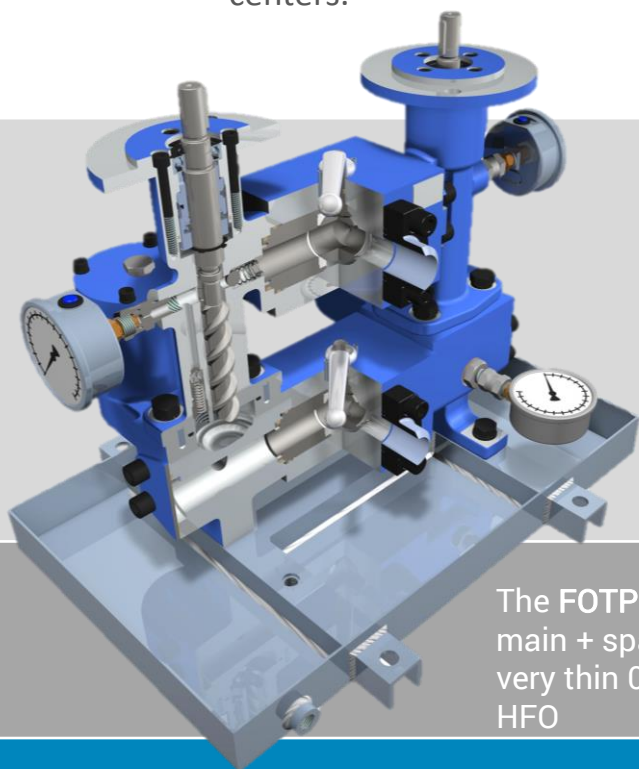
The **toys and medical tools** are today made mainly by plastic components. The seal less pumps of Settima are used every where is not accepted any kind of oil pollution. The **FGM seal less Settima pumps** can warrant your applications against the leakage of oils and any other dirty fluid

The FGM seal less pumps are used where a very clean environment is mandatory and no leakage is a must (toys & medical industry)



Sales networks

- **People:** Settima is present with direct collaborators in Italy, Germany, Austria, Swiss, China and USA.
- **Warehouses:** There are 3 main store facilities, one in the headquarter and the other in China and in North America
- **Distributors & after sales support service:** In every part of the world, our customers can find authorized distributors of Settima products. Please refer to our WEB site or ask our main office to obtain information about the Settima distributor closer to your location. Most of our distributor are also authorized service centers.

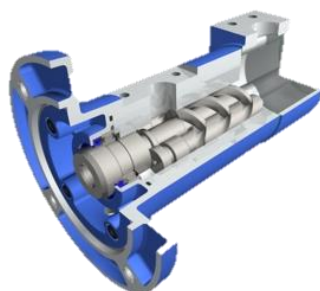


Quality first. And quality means also a **very fast and high technical level service** to answer the customer needs. Since the foundation Settima was trying to serve every customer in the world in the same way of the customer we have here, near us, in Italy.

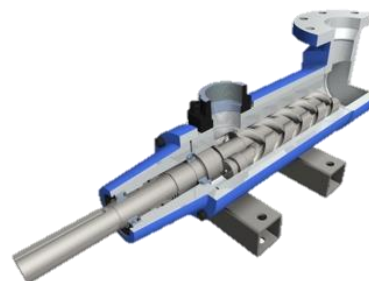
The FOTP pumps are tandem unit (2 fluids, main + spare) that can handle any fuel oil, from very thin 0.5cSt DMX/LFO up to 10.000 cSt HFO



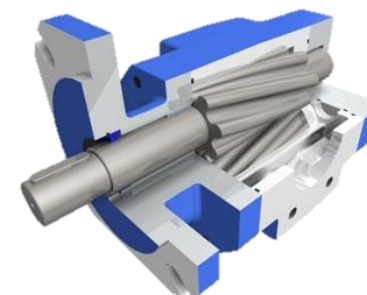
Other products in Settima portfolio



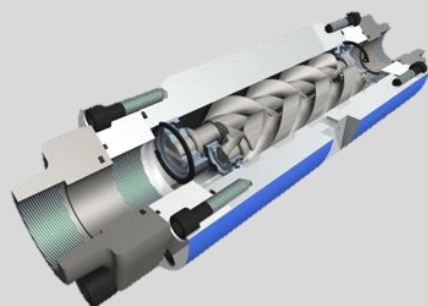
SMT16B – cooling,
filtration and lube oil



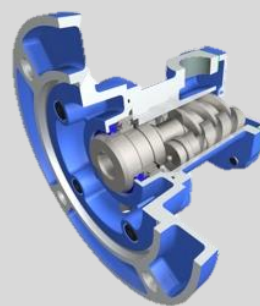
SMTU – USA elevators



2VHL – lube oil services



FL – high pressure flow
measurement



SMT8B – compact cooling
and filtration



SFO – shipyards diesel oil
handling

Engineering and certification are a resource for our customers. If some certification is not available today, can be available tomorrow: ask Settima and we will answer.



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV
= ISO 9001 =