



FITTINGS AND SOLUTIONS FOR SMART CONNECTION

OVERVIEW

Titan Engineering

Expertise and Reliability since 1993



1993 2023



a **Pneumax Group** Company



Italy



Europe



World

8

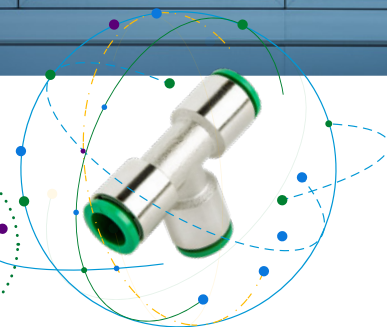
Production plants

27

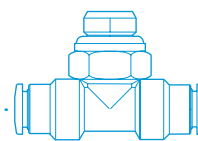
Group companies

+90

Distributor worldwide



Titan Engineering S.p.A. is a company of the **Pneumax Group**, founded in 1993 with the goal of becoming the production site and warehouse for fittings and accessories for compressed air for the worldwide Pneumax distribution network, following the development strategies pursued by the Group over the years. The constant growth of the company during the years is due to the capability of modeling itself on the needs of customers: this allows to make targeted investments in production activities, in co-operation agreements with the best Italian and foreign partners, enhancing the quality and flexibility of the service. The main result of this strategy is the creation of the “Green Line Catalog”, a tool for specialists of fittings for compressed air, among the most comprehensive available on the market.



TECHNOLOGY

QUALITY

COMPETENCE

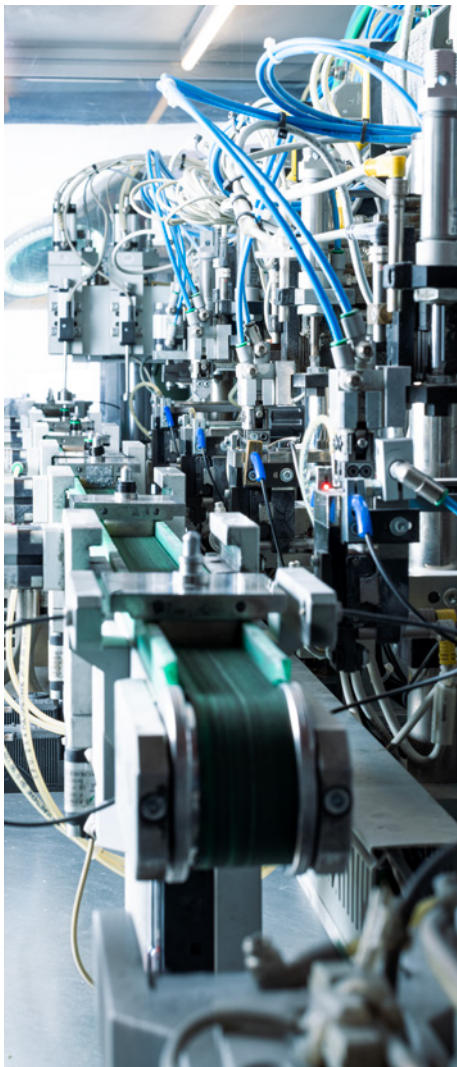
A wide range of solutions for pneumatic connections



- Push-in fittings
- Standard fittings
- Compressed fittings

- Quick fittings
- Speed controllers
- Flow valves and Function fittings

- Ball taps
- Silencers and Flow nozzles
- Tubes and accessories



Selected and certified materials

Brass, Technopolymer and Stainless Steel



METALS

Brass CW614N CW6117N (OT 58), Brass CW510N (OT 57)
Aluminum, Stainless Steel (AISI 301- AISI 304 -K110-316-316L)

TECHNOPOLYMERS

Acetal compounds – POM compounds – ABS compounds with
glass fibre reinforcement IXEF 1022 – IXEF 1022FC – Grivory HT1V-4

SEALS

NBR, VITON, FKM, EXTREME VITON, SILICON, TEFLON

COMPETENCE AND EXPERIENCE

Application engineering knowledge allows us to always provide the best solution



Our R&D department is available to work in **co-design with customers**, creating customized projects, using brass, technopolymer or other special materials. Titan Engineering also has partnership agreements with accredited laboratories for the execution of tests dedicated to specific sectors.

Special products

- Machine Tools
- Life Science
- Food and Beverage



- Cooling
- Wood Machinery
- Textile
- Stone & Glass Machinery



SMART PRODUCTION

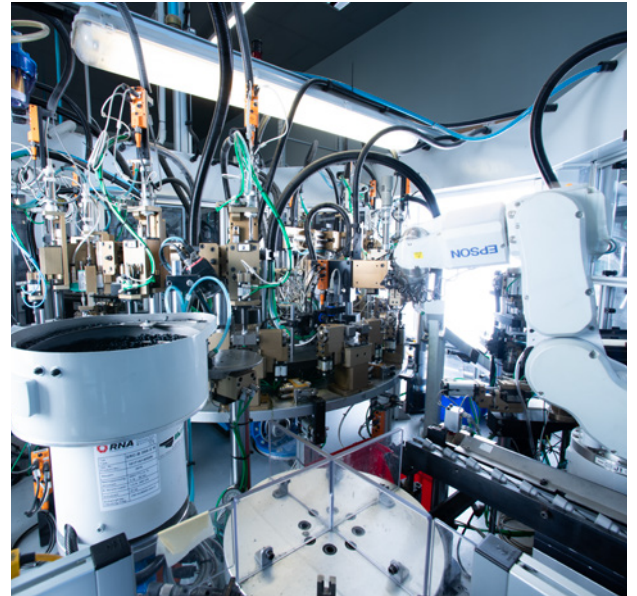
Our production department is constantly renewed by integrating the **most advanced technologies** to ensure maximum efficiency and flexibility to manage batches of different sizes and special productions dedicated to individual customers.

Product assembling is managed through machines equipped with anthropomorphic robots. Ultrasonic welding guarantees maximum tightness of the technopolymer fittings.

The control of assembly phases is done by integrated vision systems with **real-time self-learning software**, guaranteeing each single component high quality.

All the machined batches are tested using dedicated instrumentation such as load cells and simulating real operating conditions.

High flexibility to manage small and big batches



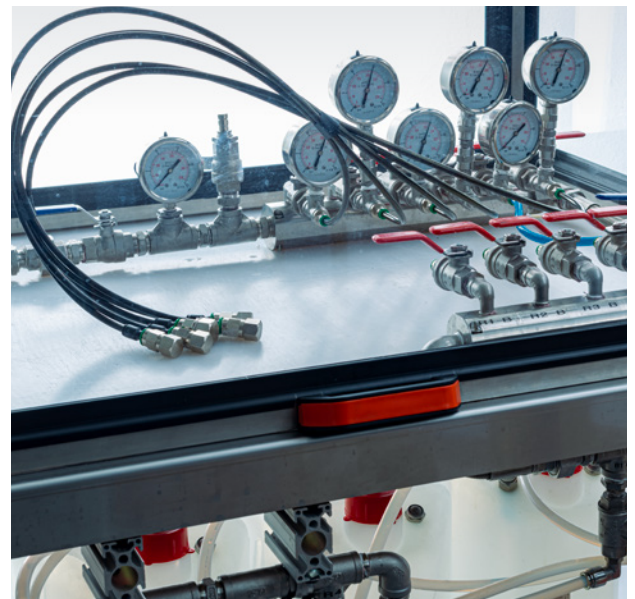
TOTAL QUALITY MANAGEMENT

At Titan Engineering **Total Quality is an “operating style”** constantly nurtured by ongoing training at all levels and an awareness of shared “knowledge” as a corporate asset essential to the company’s success.

Choosing to operate under a total quality system means implementing management methods and tools that involve all staff and enable constant monitoring of process efficiency and product quality, starting from the raw materials and the components necessary to make them and continuing through processing and assembly.

All company departments work in compliance with ISO 9001, ISO 14001 and ISO 45001 standards.

Product and process certifications to meet customers needs



Certifications:

ISO Certifications

- Quality Management System Certification ISO 9001-14001-45001 IQNET
- Quality Management System Certification ISO 9001-14001-45001 SQS

Food Certifications

- Certificate NFS – San Marino Factory
- Certificate NFS
- Product in contact with food certification Regulation CE 1935/2004 FCM
- Product in contact with water Intendend for human consumption Certification Italy D.M. 174/2004



FCM Fittings - Food Contact Materials

Designed to operate in Food & Beverage sector in compliance with FCM and NSF/ANSI 169 standards.





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