



Tecno-Gaz 365

An integrated project

Complete project and solutions
for healthcare professionals

We offer a *complete*
Tecno-Gaz clinic



A world built around you for the very first time

Tecno-Gaz offers a wide range of solutions to handle, manage and expand the operations of your practice. Our solutions do not only provide the single product, but also a range of services, skills and expertise.

Nobody can count on so many solutions

- Biological risk
- Sterilization tests
- Welcome and ambient sanification
- Conscious sedation
- First aid in dentistry
- Surgical room
- Digital workflow dental cabinet
- Digital workflow dental laboratory



Tecno-Gaz 365 the philosophy of a complete project

We stand by our customers facing the daily challenges of the world of dentistry with integrated, reliable and immediate solutions.



Tecno-Gaz S.p.A., Parma

Tecno-Gaz S.p.A. since 1979 is an Italian company, which has been able to interpret a leader role in Italy and throughout the world. A privately owned company that competes worldwide, relying on an extraordinary wide range of products that are manufactured in its various establishments. Tecno-Gaz invested also in the professional training by creating their own Training Academy and the acquisition of Dental Machine which is a prime company in the field of clinic and lab milling machines.



Archimede Academy, advanced training in dentistry

The new advanced training and updating center for the dental sector. Our purpose is to create the opportunities to transfer skills to all professional figures that make up the dental and dental technician team.



Tecno-Gaz 2

Cavriago production plant (RE), a modern and efficient facility where all Tecno-Gaz products are manufactured on a large scale.



Dental Machine, excellence in dental CAD-Cam systems

Dental Machine plant in Bobbio (PC) (Tecno-Gaz Group) is a leading Italian company, which designs and manufactures a wide range of milling machines for the dental laboratory and milling systems for the dental cabinet.

Tecno-Gaz Group

Quality and reliability

Tecno-Gaz S.p.A. operates in various sectors with a strong propensity and specialization in the dental world, oriented to the production of equipment and devices for the operational improvement of professionals in the sector, thanks to a wide range of innovative products. For over 40 years we have been aiming to find solutions increasingly suited to the needs of doctors and their collaborators, as well as to create products that guarantee safety, performance and can contribute to improving professional qualities.



Quality&Know-How
Made in Italy



Archimede Academy a structure for high-level trainings

On January 1, 2020 Archimede Academy was born, a structure of over 1,000 square meters, created to become a reality of reference for high-level training for the dental sector.

In the Tecno-Gaz project, nothing is left to chance to satisfy the customer, for this reason in addition to the products and solutions, today our customers have an additional educational and cultural service, another good reason to choose Tecno-Gaz as a global supplier of your facility.

To find out more, do not hesitate to contact our Academy manager Dr. Anna Codazzi

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Service & Assistance a great structure at your service



Buying a Tecno-Gaz product means having a first-rate assistance service thanks to our internal service structure:

support@tecnogaz.com - Ph. 0039 0521 8380638

Tecno-Gaz technical assistance service is supported by two facilities:

Internal facilities:

- Customer centre at Tecno-Gaz headquarters
- Worldwide spare parts assistance service

External facilities

Tecno-Gaz organizes an authorised technical support service, provided by its distributors for each country





Air treatment and safety
of patients/operators



instruments sterilization
through traditional cycle

Daily
365
safety



Instruments
sterilization with
fast cycle



Environmental
prevention

Biological risk

When evaluating risks within the medical environment, biological risk is considered the main factor to be analysed and brought under control. The environment and practices of medicine represent a risk for the transmission of pathogens, particularly those that are transmitted parenterally, if rigorous prevention methods to protect patients and operators are not applied. Within the medical environment, the transmission of agents of contamination can happen through:

- airborne pathways
- contaminated surgical instruments
- water

Optimal patient management

Tecno-Gaz has a 360° prevention project able to reduce or eliminate biological risk in every operational phase, protecting patients and operators:

- Reception: diagnosis, prevention, prophylaxis
- Treatment: sterilization, sterilization test
- Stay in the study: treatment continuous air / water
- After the dental service: sanitation



The value of an integrated system

Keep the risks of contamination and cross-infection out of your practice with a complete range of solutions designed for dentistry

Biological risk

The safety of patients and operators at 360°

The management of biological risk in the dental and outpatient fields is certainly one of the fundamental obligations that every professional must manage with care and attention. Contaminations can occur by direct or indirect contact, through infected instruments, air and water. For over 30 years Tecno-Gaz has been engaged in the study, development and realization of products and solutions ideal for the complete management of biological risk.





We were the inventors of MULTISTERIL, the first system in the world that automated the sterilization process, for over 20 years we have been producing STERILAIR, a system for biological air treatment, 25 years ago we were the first to create autoclaves with integrated printers. A supremacy determined by one great cultural ability and in-depth knowledge of our customers' needs.



Instruments sterilization
Tecno-Gaz fast cycle for
sterilization of all
materials



Environmental sanitation
Air treatment and
environmental treatment the
perfect system
created by Tecno-Gaz



Water treatment
Special filters for treatment
of the water to avoid
contamination of legionella

Instruments sterilization

The standard cycle

4



Unika

Automatic device for drying of tools,
dries 1 tray of autoclave in 4 minutes



3



Free

Ultrasonic tank with
temperature and time
adjustment, rear discharge,
available in 3L and 9L models



2



Artica

Automatic thermo-disinfector



1



Clean

Instrument cleaning device
(pre-treatment)



The concept of prevention must be considered a real cultural and structural project to be constructed with skill and care. With Tecno-Gaz you can have the most complete, rational and safe plan for instrument sterilization.

5



T-paper

Envelopes and reels for sterilization



Packaging



6



One

Manual sealing machine with double preset timer: short time / long time

Traceability



7



Traccia

Traceability

Sterilization

8



Onyx B

Type B autoclaves available models: 5.0 - 6.0 - 7.0.

Europa B Evo

Type b autoclaves models available: 16-20-24 lt.



No-one can count on solutions like ours, researched to make every activity safe and to guarantee maximum results. Tecno-Gaz S.p.A. can offer you solutions for fighting airborne infections and for the management and treatment of water, the latter being an issue of absolute importance for every medical facility.

Instruments sterilization FAST cycle

2



Aqua Plus

Termodesinfector



Multisteril Fast

Device that can automatically carry out all the major preparation phases for the sterilization cycle; disinfection, cleansing, rinsing, drying of instruments.



► **25'** COMPLETE CYCLE



Multisteril CD

Concentrated liquid for Multisteril Fast



1



Clean

Instrument cleaning device (pre-treatment)



In the field of instrument sterilization, we can boast of international supremacy. This is determined by a great cultural capacity and in-depth knowledge of the needs of our customers.

3



T-paper

Envelopes and reels for sterilization



4



TecnoSeal

Automatic thermosealer



5



TecnoPrint

Traceability



6



Onyx B

Type B autoclaves available models: 5.0 - 6.0 - 7.0.

Europa B Evo

Type b autoclaves models available: 16-20-24 lt.



With decades of experience gained in the field alongside our customers, we are now able to develop effective solutions that protect operators from the risks associated with practicing the dental profession.

Sterilization tests

VALIDOLINE

VALIDOLINE is a trademark owned
by Tecno-Gaz S.p.A.

The safety protocol for risk-free work

The user of a medical device has the duty to periodically check the efficiency of the device itself, following procedures established by directives, regulations or guidelines.

2



Bowie&Dick

Physical test for autoclaves

What are these used for?

Physical test, only suitable for autoclaves that are able to sterilize porous loads. It is used to assess the ability of steam penetration in porous bodies.



Physical test
for autoclaves for porous loads

1



B-Test Plus and Spore

Biological incubator
with spores

What are these used for?

Biological test suitable for all types of steam autoclaves. It is used to assess the ability of the autoclave to destroy all micro-organisms including spores. Requires the use of spores in phials and a biological incubator.



Biological test
for steam autoclaves





Steamplus and Vaporline

Chemical test

What are these used for?

Tests suitable for all types of autoclaves. They are used to assess the ability of colour change in the autoclaves through the parameters of the machine time temperature - pressure.



Helix Test

Physical test for autoclaves

What are these used for?

It is used to assess the ability of steam penetration in hollow bodies.



Annual supply of sterilization tests

Composed of:

2 packs SteamPlus 100 pcs.
1 pack Spores from 20 vials

1 pack Helix test 100 strips
1 pack Bowie & Dick 12 pcs.



Environmental sanitation

The safety protocol for risk-free work

As provided for by European Directive 89/391/CEE, all healthcare employees working in dental practices must have adequate and thorough knowledge of the new risks related with COVID 19 and be adequately trained to be able to manage all processes in absolute safety.

2



SafetyHand

Gel dispenser with automatic dispensing, through electronic photocell.



1



Diagnostic Kit

Diagnostic kit designed for a complete control of first level, consisting of:

- IR digital thermometer for temperature measurement
- Vital Test pulse oximeter for oxygenation measurement blood and heartbeat with plethysmographic curve
- Systolic and diastolic pressure meter



Hands
disinfection

Patient
reception



3



Safety Spot

Environmental sanitation device by nebulization anticovid certified liquid



4



Sterilair Pro

Biological air treatment system for surfaces of 120m³



5



Orma

Device for the automatic production of footwear for all types of shoes



6



Water Safety

Anti-Legionella filters for dental units (suitable for any model of dental unit)





The ideal solution to obtain patient compliance and work peacefully

Conscious sedation

Conscious sedation is a very popular technique in dentistry and this thanks to the great commitment of Tecno-Gaz has been developing and manufacturing systems for conscious sedation for over 30 years, but above all it is engaged in a massive training and information campaign that has involved thousands of doctors around the world.

Conscious sedation is now a service that all clinics must adopt because it is an indispensable adjuvant for surgical and implantological interventions, as well as a system that helps the patient to face dental care in serenity and with maximum collaboration. Conscious sedation is also a technique that helps operators to work in the best way, particularly in the case of difficult patients such as children, phobic patients, disabled people, etc.



Conscious sedation

The ideal solution to obtain patient compliance and work peacefully



Master Flux Smart

Electronic device with automatic multifunction control and IOT technology. Trolley designed to contain cylinders and accessories.

1



MasterFlux Plus

Automatic device with mechanical adjustment system, equipped with all safety systems. Cabinet for containing cylinders and accessories.



MasterFlux Smart

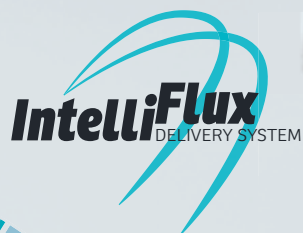
MasterFlux Plus



Operational benefit: the dentist works with absolute operational tranquility

Patient well-being: the sedated patient is cooperative and in a state of absolute well-being

Operational safety: there are no dangers and sedative analgesia can be safely used by the dentist without the presence of an anesthetist



IntelliFlux

Circuits and masks of various sizes for maximum patient and operator comfort, also useful for dental surgery.



IntelliFlux circuit



No operational obstruction

Side gas delivery tubes can create operational problems and hinder normal dental / surgical activities. IntelliFlux delivers the gases through two central pipes which do not interfere with the operators' activities.

The complexity and the greater invasiveness of the interventions led to a significant lengthening of the sessions and required a new way of approaching the patient. Thanks to conscious sedation it is possible to reduce operative stress, increase patient compliance and consequently productivity.

First aid



First Aid Suitcase

First Aid Suitcase equipped with high concentration oxygen mask, resuscitation bags adults + children with masks, blood pressure monitor, Vital Test pulse oximeter, glucometer.



Monitor MD 80 Plus

10 inch Multiparameter monitor with ecg, blood pressure monitor, pulse oximeter, temperature probe, printer and rechargeable battery



Vital Test

Professional multi-parameter pulse oximeter: oxygenation, heartbeat control, plethysmographic wave.



Oxygenation

Monitoring



First aid products are life-saving devices, therefore it is a legal, ethical and professional duty to be equipped with these items. A knowledge of emergency devices means protecting oneself, one's prestige and profession, and being ready and capable of saving a person's life.

Defibrillation



4



TecnoHeart Plus

AED defibrillator with voice commands

The life-saving device!

- Ready to use (pre-connected electrodes)
- Internal auto check
- Certified life-saving product
- Function selection key Integrated Adult / Child



5



E-Point

Furniture with wheels that accommodate: resuscitation set, defibrillator and multiparameter monitor

Tecno-Gaz S.p.A. has structured this first aid project. A comprehensive programme that helps you to organise your facility making it efficient, compliant and ready to face any emergency.



Tecno-Gaz is the only company on the market able to provide professionals with the tools, means and organization necessary to be successful.

Surgery room

Surgical dentistry for professionals

Modern dental surgery is evolving and interventions are increasingly complex. In order to carry out this type of intervention in maximum safety and with the utmost professionalism, strategic solutions are required.



Integrated surgical room

Kyri: much more than a chair!

- ➔ Increase the quality of your work
- ➔ Welcome the patient and ensure maximum comfort
- ➔ Add value to your cabinet

2



ErgoSeat

Orthopedic seat with lumbar back dynamic movement, stimulates the active position of the column and is optimal to effectively distribute weight for lasting comfort throughout the duration of the act.



Kyri

Surgical chair with 4-motor movements, 3D headrest, side rails, trandelemburg system, wireless foot control.



Professional chair

Surgery chair



Anti-shock and emergency positions

Surgical table

Dental

Orthopneic or semi-seated position

Trendelemburg

Fowler

Variable height



The perfect combination of an operating table and a dental chair. Kyri is a nucleus around which the ideal work environment can be built. Its 5-axis movement, in addition to the 3D orbital headrest, offers a unique level of flexibility. Kyri is the perfect combination of an operating table and a dental chair.



3



Kyri Cart

Mobile trolley with possibility of customized set up up to 5 instruments, large color display touch.



4



Kyri Bridge

Bridge table built in stainless steel with adjustable height, ideal for the operative and ergonomic management of surgical activities.



5



Kyri DSS

Double jar surgical aspirator with overflow system and selector, manual and pedal control, suction power 90 liters per minute.

Configurable furniture

Smart Trolley

2



SmartTrolley Electromedical

Electrified cabinet with wheels, designed to facilitate the management and use of the dynamic devices used during the surgical intervention.



1



SmartTrolley Intraoperative

Furniture with wheels made to prepare and organize tools and materials, necessary for routine, implantological and surgical interventions.



Electromedical

Intraoperative



"THE FURNITURE" is no longer a single component of visual enhancement of the structure, but becomes an element of organization, order and efficiency, transforming itself into an active element in daily work practices.

Tecno-Gaz created the Smart Trolley concept, changing what seemed immutable. Smart Trolleys are a Copernican revolution, not only because they completely innovate a sector, but they actually change the identity and role of an important component of the dental structure.



Postoperative



3



SmartTrolley Postoperative

Strategic furniture with wheels, for the collection and sorting of used materials to be transported to the sterilization room. The cabinet is equipped with a disinfection tank, needle holders, waste container.

80+

MORE THAN
80 POSSIBLE
CONFIGURATIONS





Surgical lighting

Led lamps for dentistry



Orion Light

Light weight and easy to handle: Light. Double function for surgical and dental lighting. Light intensity up to 140.000 Lux with a circular field of 24 cm and an elliptical field of 20 x 14 cm. All parts of the mouth, in all positions, will therefore receive the same intensity and the same colour. This allows the patient's mouth to be moved without having to manipulate the lamp.

2



Orion Light

Orion 40 DS



Orion 40 DS

Dual function LED lamp for surgical and dental lighting. With adjustable light intensity from 15,000 Lux to 130,000 Lux. With variable circular illuminated field from 15 cm to 20 cm.

1

During operations, the lighting must transmit information about the work area to the surgeon with the utmost precision, while ensuring maximum eye protection. Orion's unique technology makes it possible to achieve these 2 goals.



3



Orion Tech

Orion Tech is a surgical lamp developed specifically for the dental field, thanks to the characteristics calibrated according to the need of the dentist.

Orion 40 DS

Light intensity up to
140.000 Lux

Two colour temperatures
4.500/5.000 K

Illuminated field
Circolare 15 e 20 cm

Orion Light

Light intensity up to
140.000 Lux

Two colour temperatures
4.500/5.000 K

Illuminated field
Circolare 24 cm
Ellittico 20 x 14 cm
intensità da 40.000 a 140.000 lux

Orion tech

Light intensity up to
130.000 Lux

Two colour temperatures
4.500/5.000 K

Illuminated field
Campo rettangolare 20x15 cm:
intensità da 15.000 a 60.000 lux
Campo circolare di 27 cm:
intensità da 30.000 a 130.000 lux

Digital Workflow

Dental practice

**Updating and learning is like rowing against the tide:
if you stop, you go back**

The advent of digital workflow in dental practices is an epochal change that incredibly speeds up the clinician's work and the solution to patient problems. Tecno-Gaz has organized its own structure to accompany the dentist in this essential evolutionary path, giving the professional the opportunity to constantly update himself.

1



Scanner

Tecno-Gaz integrated digital system is an open system able to work with all intraoral scanners on the market.



Scan





2



Software CAD

Different types of Cad Software can be used:

- Exocad
- 3 shape
- Dental Wings

Modeling



Milling machines



3



Clinic Side Quantum

The first fully autonomous 5-axis Clinic Side with integrated pneumatic system, automatic cutter changer (11 cutters), loader with the possibility of 3 block holders, support for premilled production.



Digital Workflow Laboratory

Success is reserved for those who adapt to change

The approach to digital workflow in the dental laboratory is an obligatory path, which requires a great level of training and updating. Tecno-Gaz proves to be the ideal partner for all dentists who want to make the leap in quality and work with the best available technology.

2



Software ExoCad

The simple, intuitive and functional CAD software! Ideal from modeling a small crown to more complex implant structures. Suitable softwares CAM: 3 SHAPE/DENTAL WINGS



MillBox

Cam software for any material and element with maximum simplicity of interface

HyperDent

CAM software available in 2 versions: Compact or Classic
Suitable softwares CAM: WORK N C



TecnoScan PRO

TecnoScan PRO by Imetric bench scanner with high precision and speed with optimized reading function for impressions (precision under 5 microns).





A6

5-axis compact milling system, 0.4 kW JAGER pneumatic spindle, 11 tools with automatic recognition and change, Complete with Cam. 7 bar air consumption. Dry or wet processing (System available upon request). Suitable for soft materials.



A6 Plus

5-axis compact milling system, 0.55 kW JAGER electro-pneumatic spindle, 11 tools with automatic recognition and change, Complete with Cam. 2 bar air consumption. Dry or wet processing (System available upon request). Suitable for soft materials and premilled.



A6 Evo

5-axis compact milling system, 0.55 kW JAGER electro-pneumatic spindle, 11 tools with automatic recognition and change, Complete with Cam. Dry or wet processing. Suitable for soft materials and premilled.



K10 Charger

The automatic disc changer for Dental Machine milling machines up to 10 pods. Available for C5 range.



Range C

Heavy Metal 5-axis milling machines, 3 kw 60,000 rpm high frequency spindle, brushless motors with encoder, 18 tool positions with automatic change, suitable for all materials.



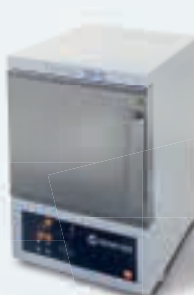
Range G

Top level milling machine for high production of excellence 5-axis, high frequency spindle 2.1 kw 50,000 rpm with liquid cooling, brushless motors with encoder, 20 tool positions to exchange automatic, optical scales, granite structure, suitable for all materials.



TecnoSint

Compact sintering furnace with 9 programs. Max. temperature 1650°C



MV-R

Sintering furnace. Max. temperature 1650°C. 8 min to 1500°C



Dental Laboratory

Laboratory was the first Tecno-Gaz's mission and our goal remains to offer to our customers innovative and unique technologies.

Our policy pursues a continuous updating and development of products, which are continuously adapted to new technological developments.

1



Skylab

Sandblaster with 3 independent self-managed cabins



sandblaster



2



Unigas

Bunsen with safety thermocouple, designed for functioning with all types of GAS



Bunsen

3



ASM30

Die casting machine with operating temperature at 1600 ° C, printer, SD Card and air reserve



Die casting machine

Various dental practice

The wide range of Tecno-Gaz products includes a series of devices to complete clinical needs including polymerization and professional whitening. Proof that Tecno-Gaz presents itself as a company capable of supplying complete projects and not just simple products.

1



B-Max Plus wireless

- Double function: blue LED
- Polymerization and white LED
- Inspection lighting.
- 180 ° head rotation.
- OLED display.
- Lamp body built entirely in brushed steel.
- Built-in long life batteries.
- Polymerization with maximum power 3000 w.
- 13 dedicated programs.
- Inspection function with operating light.
- 20,000 lux.



curing lamp



In addition to the numerous product lines, Tecno-Gaz proposes a series of small equipment designed to improve and complete the daily operators' work.

All devices have been designed to increase performance and rationalize times and methods in dental cabinet.



Professional whitening



Dea Lux

Professional whitening lamp on stand, with flexible arm for easy positioning and fiber optic light diffuser. Preset treatment time.

Bleaching is a very common technique and to obtain concrete results, without causing damage, you must use quality products and devices.

Whitening is an aesthetic treatment highly appreciated by patients, therefore being able to provide this service in the best ways is certainly an excellent professional and efficient opportunity.

Notes

Notes



Tecno-Gaz 365

The integrated dental practice

EN 
1st Edition



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Complete project and solutions
for healthcare professionals



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Tecno-Gaz Spa.

www.tecnogaz.com



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