

4° edizione

EN

Welcome to

Tecno-Gaz World

Solutions for dental clinics.

One interlocutor
for all dental equipment in your clinic.

 **TECNO-GAZ**
industries

After many years of hard work, we have become a "global" reality for your clinic.



360° Solutions



Tecno-Gaz: leading company in the industry



We know your world



Tecno-Gaz Services

1



Video conference system

Tecno-Gaz has a LIFESIZE open source video conference system allowing free communication with all customers and providing a variety of services:

- Organisation of **meetings with all dealers** - ease of communication and speed.
- Organisation of **training courses for commercial agents** - constantly trained sales networks.
- Organisation of **after-sales training services for technicians** - better preparation of all technicians and, if necessary, video support for real-time repairs.
- Organisation of **training activities for medical users** - training for users, in required.

A solution that fosters collaboration, increases ease of communication, ensures great collaborative closeness.



2



Clinical information conferences

Tecno-Gaz cooperates with various clinical experts and organises training events with them:

- Conference on **biological risks**
- Conference on **conscious sedation**
- Conference on **first aid procedures**
- Conference on **surgical operability**



3



Technical assistance service

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 organises an authorised technical support service, provided by its distributors or special centres called Tecno-Gaz SAN - nationwide technical service centres - for each country.



A world built around you for the very first time

*We offer a complete
Tecno-Gaz clinic.*



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.





Biological risk

Prevention must be considered a proper cultural and structural project to be respected with skill and attention. With Tecno-Gaz, it is possible to obtain the most comprehensive, rational and safe program with regard to sterilization of instruments, since we offer the best solutions, designed to carry out all activities safely and ensure maximum results. Tecno-Gaz S.p.A. can provide solutions to decrease airborne infections and to control and treat water, which is considered a very important aspect in every medical facility.

Instrument sterilization

PROCEDURES FOR PROPER STERILIZATION OF MANUAL INSTRUMENTS

> STANDARD CYCLE

COLLECTION	CLEANING	CHEMICAL DISINFECTION	CLEANSING
1 	2  Clean Device for instrument cleaning	3  Artica Disinfection chamber Thermal disinfector	4  Free Ultrasonic unit

> FAST CYCLE Multisteril • TecnoSeal • TecnoPrint

COLLECTION	CLEANING	CHEMICAL DISINFECTION	CLEANSING
1 	2  Clean Device for instrument cleaning	3  MultiSteril MULTIFUNCTIONAL VESSEL Multifunctional system to follow the sterilization protocol. Disinfection, ultrasonic cleaning, rinsing and drying in one device.	4  LOAD UP TO 4 KG

	DRYING	PACKAGING	TRACING	STERILIZATION
5	 Unika Drying unit	6  One Sealer	7  Traccia Traceability	8  ONYX B • Europa B Evo

	DRYING	PACKAGING	TRACING	STERILIZATION
Multisteril CD Liquid concentrate for the non protein-fixing cleaning and disinfection 	4  TecnoSeal Automatic thermosealer	5  Tecno-Print Traceability	6  ONYX B • Europa B Evo	

Biological Risk

8 Sterilization

Onyx B range

The new range of Tecno-Gaz ONYX B autoclaves deals with any operational requirement you may have. Flexibility, adaptability, modularity and saving are the key principles that the ONYX B project. Quality and reliability remain prerogatives, which constantly confirm Tecno-Gaz as leader in the sector.



CONSUMPTION



LOADING



ONYX B 5.0 | 5 kg



ONYX B 7.0 | 7 kg

9 Sterilization test

Annual sterilization test supply composed of:

- 1 Pack of Vaporline 250 pcs.
- 1 Pack of Helix test 50 strips
- 1 Pack of 20 spore vials
- 1 Pack Bowie&Dick 12 pcs.



B-Test Plus
Biological incubators

10 Water purification

Pura Plus



Osmosis system



EUROPA B EVO

5 kg



EUROPA B EVO 24

7.5 kg

Distiller



Water purification system

Water Safety



Legionella prevention system for dental units

11

Air sterilization

Sterilair Pro



First aid

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

1 Monitoring



Monitor MD
Electronic multi-parameter monitor

Air-Ox
Resuscitator and Oxygen distributor



Vital Test
Pulse oximeter



Speedy2 Without cylinder
Resuscitation kit



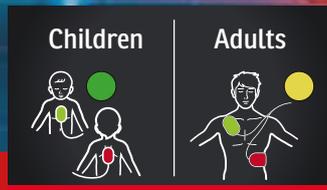
2 Oxygenation

3 Defibrillation

TecnoHeart Plus

Semi-automatic
defibrillator

THE ONLY
DEFIBRILLATOR
WITH EXCLUSIVE
FEATURES!



The life-saving device!

- **Ready to use** (pre-connected electrodes)
- Internal auto-checks
- Certified **Life-saving** product
- Integrated **Adult/Child** function selection key

E-POINT

Mobile First
Aid Centre

CE
0051

Conscious sedation

Master Flux Plus and Master Flux Plus electronic

The complexity of operations and increased invasiveness have resulted in significant lengthening of treatment sessions and require a new approach to the patient. With conscious sedation, it is possible to reduce surgical stress, increase patient compliance and consequently, productivity.

Improve the quality of your work, increase the patient's comfort

Operating benefits: the dentist operates without stress.

Patient well-being: a sedated patient is more collaborative and is in a state of well-being.

Surgical safety: there is no danger and sedative analgesia can be easily used by the dentist without assistance from an anaesthetist.

New Masks

Nose masks are no longer 100% silicone, but have a rigid **transparent polysulfone centre shell, which enables visibility and prevents any torsion, thus guaranteeing a perfect fit.** The adaptive cushioning and front forks enable perfect, stable positioning, thus **preventing any gas dispersion or leakage.** All parts of the nose mask are autoclavable and the centre connection contains the backflow valves.



LATEX FREE

NEW



1 (XXS)
Art. MF835ZMF

NEW



2 (XS)
Art. MF836ZMF

NEW



3 (S)
Art. MF837ZMF

NEW



4 (M)
Art. MF838ZMF

One-size silicone head cushion and silicone mask pads in various sizes

- 1 (XXS)** Art. 2ZMFA0050
- 2 (XS)** Art. 2ZMFA0051
- 3 (S)** Art. 2ZMFA0052
- 4 (M)** Art. 2ZMFA0054



No operating hindrance

The side gas supply tubes could cause operating problems and hinder normal dental operations. IntelliFlux supplies gas through two centre tubes, which do not obstruct operations.



No gas dispersion



The IntelliFlux masks can be adjusted to 180° to permit work on the lateral part of the mouth and guarantee the ideal access to the work space of the dentist.

"Y" connection

Allows the proper flow of gas mixture preventing exhaled gases from returning to power supply circuit. The small chamber eliminates the risk of CO₂ permanence.



Support area for the patient's forehead (size 1/2/3/4)

Silicone profile suitable for any shape of face. Leaves no marks, gives great comfort, and reduces N₂O emissions into the environment

Gas outlet with backflow valves

Gas inlet with backflow valves

Art. 2ZMFA0046
Holding strap with plastic hook



Art. 3MEDT0007
+1ZMFA0064
Mounting kit for dental chair



Art. 3MEDN0001
Breathing balloon



Circuit tube

Art. 3MEDT0006
Tube length: 1.8 mt.
Not autoclavable
Art. 3MEDT0018
Tube length: 1.8 mt.
Autoclavable



Art. 3MEDT0019
Tube length: 50 m
Single use



Master Flux Plus resuscitator balloon

Art. 2000-R2
For adults, autoclavable with double balloon



Art. 2100-R2
For children, autoclavable with double balloon



Protect your eyesight



with a dental surgical light

Light intensity up to:
130,000 Lux

Colour temperature:
4,500/5,000 K

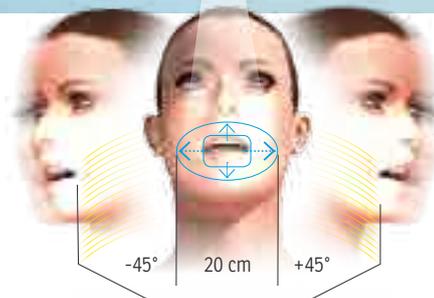
Illuminated field:
15 cm and 20 cm



Special for dental use

Why use a dental surgery light?

The lighting must provide precise transmission of visual information from the work area to the surgeon during the operation, but must also guarantee eye protection.



Possible visual damage by traditional lighting

Light is essential for the eyesight, it must be taken care of from the beginning of your career, not when problems arise.

Invest in your main diagnostic tool:
your eyes.



Orion40 DS

Free standing
Art. LC103LRD

Wall
Art. LC101LRD

Ceiling
Art. LC102LRD

Ceiling mount for camera
Art. LC106LRD



360



Parabolic indirect lighting



Double illuminated range

The ranges of light intensity of the Orion 40DS Lamp change according to the operator's requirements:

- E-Dental Light Function: from 20,000 Lux to 55,000 Lux with General Practice Lamp function.
- ORION Light Function: from 40,000 Lux to 130,000 Lux with Surgical Lamp function.



Illuminated field

20 cm

Illuminated field

15 cm

The unique lamp specifically designed for dentistry!

Orion 40 DS is a development of the famous Orion 40 dedicated to the clinical needs of the dentist. The first surgical light specifically designed for dental use thanks to photometric measurements calibrated according to the dentist's requirements: 80 cm focus, 15 cm illuminated field up to 130,000 lux and temperature of 4,500/5,000 k. ORION 40 DS is the first multifunctional light for dental practice, which, thanks to the unique E-Dentalight technology (joint function), switches to surgical light.

E-Dentalight

This function enables the replacement of lighting generated by traditional lamps. This unique feature enables the activation of two modules and the adjustment of their intensity and colour temperature.

Cold light

The increase of heat radiation on the surgical field is proportional to the quantity and power of the LEDs used. Thanks to the indirect light concept, Tecno-Gaz uses fewer LEDs.

Orion60



Light intensity up to:
160,000 Lux

Colour temperature:
4,500/5,000 K

Reflector external diameter:
Ø 630 mm

Orion80



Light intensity up to:
160,000 Lux

Colour temperature:
4,500/5,000 K

Reflector external diameter:
Ø 790 mm

Dental units TYGI



TYGI **B**

Chair model B with a pantograph elevation mechanism ensuring maximum operation. Thanks to the tapered base, dental staff can work easily and efficiently.



TYGI100B

TYGI100L

Tecno-Gaz TYGI units are the only units offering top quality of all the models.

Various aspects can be taken into consideration when selecting a product. Finding a product that meets your requirements is imperative. Detail makes the difference and defines a unique top-quality product. The possibility of choosing is much better than making do. Tecno-Gaz gives you this option. You can select your unit according to your operating requirements. This is why we give you the option of deciding on the ideal configuration for your requirements.

TYGI ^L

Chair model L with a vertical elevation mechanism enables easy access to the operator and staff and, thanks to a compact floor support surface, makes it easier to sanitise the room.



**TYGI 300
EVO B**

**TYGI 300
EVO L**

**TYGI 500
EVO B**

**TYGI 500
EVO L**

Kyri: a successful element

Much more than a chair

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.

Cutting-edge technology

- Multi-axis complex joints
- Movement with 'anti-undress effect'
- Integrated suction systems
- Wireless pedal
- Seamless integration with other devices in the room
- Orbital headrest
- Stabilisation systems



Range of orbital headrest (200 mm)

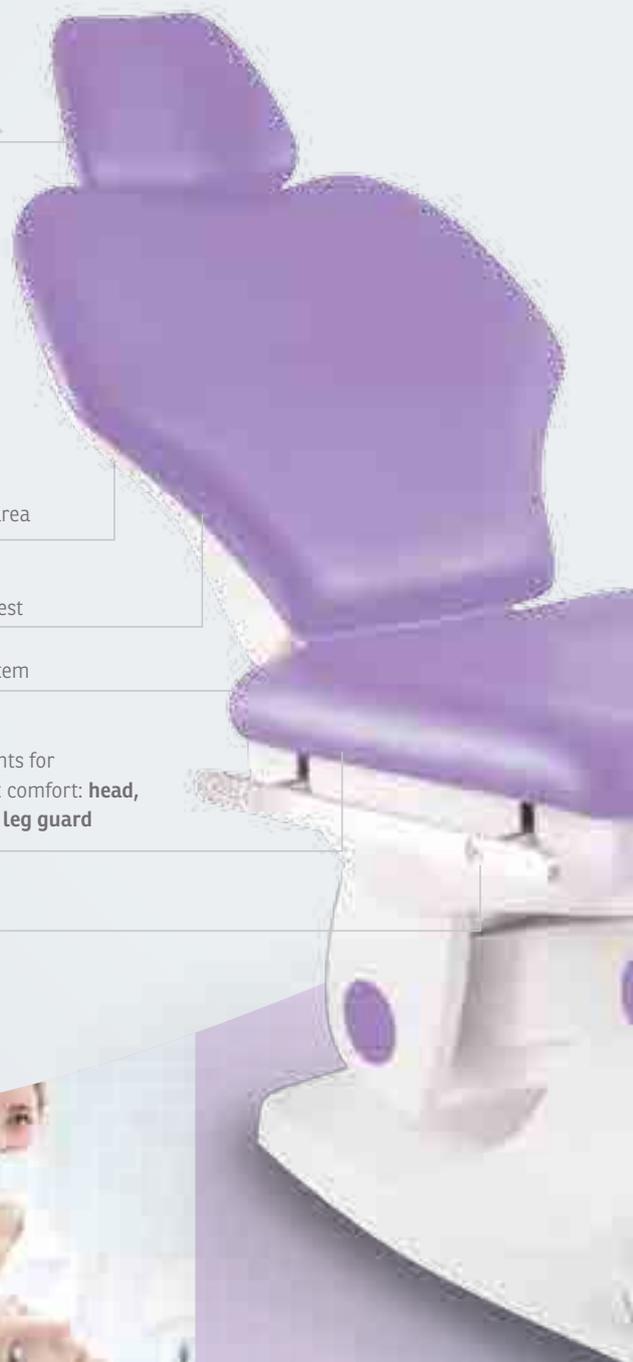
Rounded edges for maximum accessibility of the operating area

Enveloping backrest

Anti-undress system

4 separate elements for maximum patient comfort: **head, trunk, thigh, and leg guard**

Side rail



3D LOCKSYSTEM



3-axis orbital headrest

In dental surgery, correctly positioning the patient's head is crucial for the dental staff to work in the best way possible.



Select the best
for you and your patients

Anti-shock and emergency positions

Surgical table

Dental



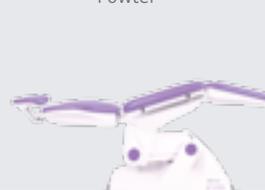
Orthopneic or semi-seated position



Trendelenburg



Fowler



Variable height



Kyri designed to:

- ✓ Improve the quality of your work
- ✓ Welcome the patient and guarantee maximum comfort
- ✓ Enhance your clinic

Customise it as you wish!
Choose from the colours available.



Hinged leg guard



Kyri Cart

Much more than a unit

Configuration and operating flexibility thanks to Kyri Cart. Five slots for instruments and total control of the Kyri settings to store and recall your preferred positions.



Kyri Water Unit

Perfect in your clinic!

The ideal complement that makes the Kyri integrated clinic multifunctional is the Kyri Water Unit. It enables rinsing and surgical suction management thanks to the cannula holder table configured with 2 cannulas. Kyri Water Unit is an element connected to the suction systems of the clinic. The telescopic structure fits the operating ergonomics and allows the Kyri Water Unit to be stored under the worktops.



Bridge table

A bridge table created in 18/10 stainless steel, with adjustable height, characterised by a broad solid surface.



Kyri DSS

Surgical aspiration
New surgical aspirator, with adjustable aspiration, double basin and disposable bags with valves.

ErgoSeat

The dynamic compensation system eliminates the onset of painful problems and/or reduces the symptoms of previous incorrect postures.

The chairs used by dental surgeons are an important component for operating ergonomics, thus they must allow for perfect ergonomics for the body. Good ergonomics prevent damage that may be caused by incorrect behaviour due to the use of inadequate technology. **ERGO SEAT's design is the result of in-depth orthopaedic research.** The special seat in the shape of a bicycle saddle facilitates the work of different operators, and the ERGO SEAT can also be used by people with different body shapes.



Adaptive backrest



Greater comfort at work

A better position and less muscular stress for the patient makes your work easier.

Infinite number of positions based on 5 axes

Kyri assists you in any position. Thanks to its 5-axis movements, it can reach any position required to ensure its conventional operation, as well as unusual or unexpected positions.

Smart Trolley

Tecno-Gaz has developed the Smart Trolley concept, changing what seemed unchangeable. Smart Trolley is a real revolution, not only because it completely innovates a sector, but also changes the identity and role of a major component of the dental surgery. The "furniture" is no longer simply an attractive element, but a component of organisation, order and efficiency - an asset in the daily work of the surgery.

IT IS TIME
TO MAKE
YOUR CLINIC
OPERATIONAL



- ✓ Created to make work easy and productive
- ✓ From the container to the operating device
- ✓ Suitable for all clinics: can be easily integrated and configured



Service units

Disposable dispenser



Sink



*Do they only look like furniture? **Take a better look...***

Getting to know your new team.
The most operational ever!



Unlimited configurations

360



80+
More than
80 possible
configurations



Smart Trolley
Intraoperative



Smart Trolley
Electromedical



Smart Trolley
Postoperative



Any operating area must provide operators with what they require, repeatedly and independently. This is all contained in the Intraoperative SmartTrolley: when not in use, everything is out of sight. When in use, it becomes an indispensable asset.



Dental staff use a large amount of electromedical instruments during dental procedures. The solution the Electromedical Smart Trolley which, with its centralised power supply system, modularity and the accommodation of bulky pedal commands, becomes an indispensable organisational and functional element.



We have developed the Postoperative Smart Trolley in order to save time and efficiently manage waste and contaminated material. Thanks to its built-in decontamination tank and recycling compartments, it is a hub for the collection and sorting of infected material.

SILVERLINE

ANTIBACTERIAL

Ag

WITH SILVER FIBRE
ANTIBACTERIAL
FABRIC

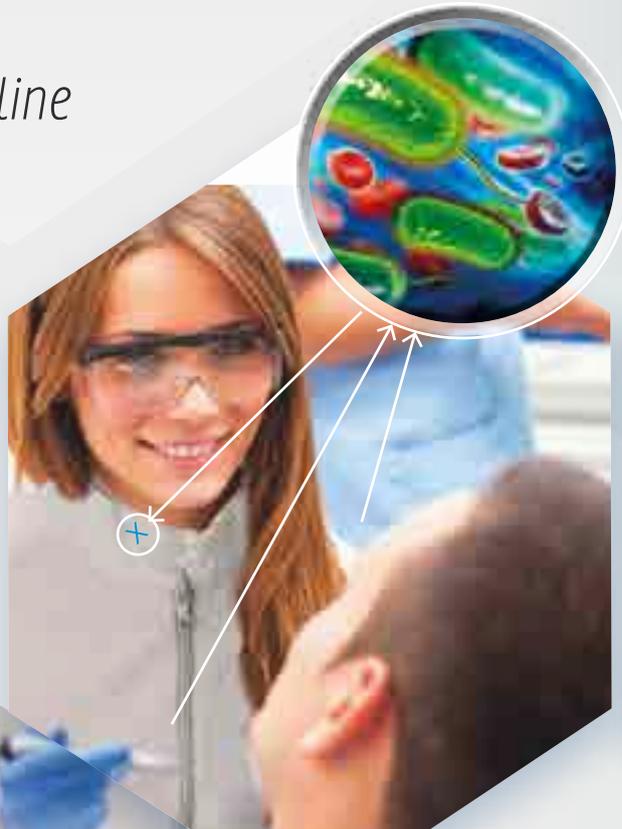
New

Professional technical clothing

With our SILVERLINE clothing line we offer continuity of our main business: prevention.

For over 35 years, we have been an active part of biological risk prevention in dentistry and hospital facilities, we know the requirements and needs of health care workers and SILVERLINE is the essence of our knowledge, concentrated in this extraordinary line of professional technical clothing.

Accordingly, a targeted team composed of fashion stylists and technicians was put together to create a range of products with a high aesthetic value, offering excellent fit, with technical connotation, linked to the logics of prevention and well-being.



A complete range using silver fibre antibacterial fabric

The silver used for Silverline garments is specifically designed to add high value to the clothing in the Silverline range.

Men and women first layer with silver fibre antibacterial fabric



Laundry bag with silver fibre antibacterial fabric



Unisex bandanas



Men and women tunics



Men and women trousers



The silver fibre (Ag) is woven with cotton fibre (composition 96% cotton, 4% Ag)

Tunic mod.
Mattia
Trousers mod.
Paolo

Tunic mod.
Lorenzo
Trousers mod.
Marco

Tunic mod.
Massimo
Trousers mod.
Paolo

Tunic mod.
Marta
Trousers mod.
Sabrina

Tunic mod.
Federica
Trousers mod.
Camilla

Tunic mod.
Lilly
Trousers mod.
Camilla

Body transpiration

It aids body transpiration, accelerating the outward transfer of heat, it helps reduce humidity on the skin, offering the sensation of dryness and well-being.

Antibacterial action

It is effective against pathogenic germs, hospital germs and a wide number of bacteria and salmonellae, through the release of Silver ions which make the following inactive: macrobiotic proteins, bacterial DNA, viruses and bacilli. It stops bacteria from spreading, thanks to its antimicrobial action, which blocks the migration of microorganisms between fabric and skin, avoiding unpleasant odours, allergies and maintaining the skin's biological balance.

Personalisation

To further distinguish Silverline even more, Tecno-Gaz offers a personalisation service for every model in the line: tunics, trousers, t-shirts. These items can be personalised with the clinic's logo, the worker's name, a slogan, or any wording at all. Personalisation is done using high quality embroidery to guarantee long-lasting results.

Temperature control

Thanks to the high conductive power of silver, SILVERLINE fabric guarantees perfect and uniform distribution of body heat. At high temperatures, silver accelerates the outward transfer of heat from the body without obstructing it, unlike most fabrics which often create a sort of barrier and do not help heat dispersion. At low temperatures, through infra-red reflection, silver reduces heat loss and returns the same amount of energy to the body.



Anticipate, propose and guide the change.

WE MANUFACTURE THE FUTURE

*BUILDING THE FUTURE,
DAY AFTER DAY,
IDEA AFTER IDEA.*

MTGZD014 - Rev.03/10/2017



HEADQUARTERS



AUTOCLAVE PRODUCTION LINE



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Tecno-Gaz Spa.

www.tecnogaz.com



★ M T G Z D O 1 4 ★