

2<sup>nd</sup> edition

EN

Welcome to  
**Tecno-Gaz World**

**Solutions for dental clinics**

**One interlocutor**  
for all dental equipment in your clinic



# Welcome to *Tecno-Gaz World*





After several 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 which enables us to freely communicate with all customers and provide a variety of services:

- Organisation of **meetings with all our 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 case of need.

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 assisted by two supporting facilities:

#### Internal facilities

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

#### External facilities

Tecno-Gaz organises an authorised technical support service that is 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 first time ever*

*We offer a complete  
Tecno-Gaz clinic.*



Tecno-Gaz is able to offer a range of solutions to handle, manage and expand the operations of your practice. Our solutions do not end with providing you with the single product, but include a range of services, skills and expertise.





# Biological risk

The concept of prevention must be considered a proper cultural and structural project to be carried out with skill and attention. With Tecno-Gaz, it is possible to obtain the most comprehensive, rational and safe programme with regard to sterilisation of instruments, since we offer the best solutions, which are 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 manage and treat water, which is considered a very important aspect in every medical facility.

## Sterilisation of instruments

PROCEDURES FOR PROPER STERILISATION OF MANUAL INSTRUMENTS

### > STANDARD CYCLE

COLLECTION	CLEANING	CHEMICAL DISINFECTION	CLEANSING
<b>1</b> 	<b>2</b>  <b>Clean</b> Device to clean instruments	<b>3</b>  <b>Artica</b> Disinfection chamber  <b>Thermal disinfector</b>	<b>4</b>  Free9 9L.  <b>Free</b> Ultrasonic vessel

### > FAST CYCLE Multisteril • TecnoSeal • TecnoPrint

COLLECTION	CLEANING	CHEMICAL DISINFECTION	CLEANSING
<b>1</b> 	<b>2</b>  <b>Clean</b> Device to clean instruments	<b>3</b>  <b>MultiSteril</b> MULTIFUNCTIONAL VESSEL  Multifunctional system to manage the sterilisation protocol. Disinfection, ultrasonic, rinsing and drying in one device.	 <b>LOAD UP TO 4 KG</b>



DRYING	PACKAGING	TRACEABILITY	STERILISATION
<p><b>5</b></p>  <p><b>Unika</b> Dryer device</p>	<p><b>6</b></p>  <p><b>One</b> Sealer</p>	<p><b>7</b></p>  <p><b>Traccia</b> Traceability</p>	<p><b>8</b></p>  <p><b>ONYX B • Europa B Evo</b></p>

DRYING	PACKAGING	TRACEABILITY	STERILISATION
<p><b>Multisteril CD</b> Liquid concentrate for the non protein-fixing cleaning and disinfection</p> 	<p><b>4</b></p>  <p><b>TecnoSeal</b> Automatic thermosealing</p>	<p><b>5</b></p>  <p><b>Tecno-Print</b> Traceability</p>	<p><b>6</b></p>  <p><b>ONYX B • Europa B Evo</b></p>

# Biological Risk



## 8 Sterilisation

### Onyx B range

Tecno-Gaz has developed a new range of ONYXB autoclaves to handle any operational requirement you may have. Flexibility, adaptability, modularity and savings are the key principles that the ONYXB project focuses on. All this without sacrificing quality and reliability, which are prerogatives, thanks to which Tecno-Gaz constantly confirms its position as leader in the sector.

  
**CONSUMPTION**

  
**LOADING**



ONYX B 8.0 | 8 kg

ONYX B 7.0 | 7 kg

ONYX B 5.0 | 5 kg

## 9 Sterilization test

Annual sterilization test supply composed of:

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



**B-Test Plus**  
Biological incubators

## 10 Water purification

Pura Plus



Osmosis system



Europa B Evo

Europa B Evo 24



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 sterilisation

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. Having knowledge of emergency devices means protecting oneself, one's prestige and profession, as well as being ready and suitable to save a person's life. Tecno-Gaz S.p.A. has structured the first aid project. A comprehensive program that helps you to organise your facility making it efficient, compliant and ready to face any emergency.

## 1 Monitoring



**Monitor MD**  
Electronic  
multi-parameter  
monitor



**Vital Test**  
Pulse oximetry

**Air-Ox**  
Resuscitator



**Speedy2 Without bottle**  
Resuscitation set



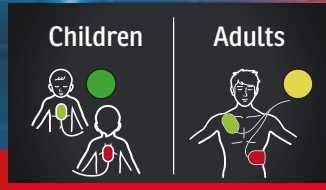
## 2 Oxygenation

**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

# Conscious sedation *Masterflux Plus*

CE  
0051

The complexity of operations and increased invasiveness have resulted in significant lengthening of sessions and require a new way of approaching the patient. As a result of conscious sedation, it is possible to decrease surgical stress, increase patient compliance and consequently, productivity.

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

**Operating benefits:** the dentist operates with complete peace of mind.

**Patient well-being:** a sedated patient collaborates more 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 hold. The adaptive cushioning and front forks enable perfect, stable positioning, thus **preventing any dispersion or leakages of gas**. All parts of the nose mask are autoclaved and the centre connection contains the non-return valves.

LATEX  
FREE



NEW

Size 1



NEW

Size 2



NEW

Size 3



NEW

Size 4



Art. MF820ZMF  
Complete circuits  
(Pipe circuit, valve  
device, neck belt)



**No operating hindrance**

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



No gas dispersion



IntelliFlux was designed to solve all problems caused by sedation mask circuits.

**"Y" Connection**

Allows the **proper flow of gas mixture** preventing the exhaled gases from returning to the power supply circuit. The small chamber **eliminates the risk of CO<sub>2</sub> permanence.**



**Support area** for the forehead of the patient (size 1/2/3/4)

**Silicone profile** suitable for any type of face. No signs and great comfort. It allows to **reduce N<sub>2</sub>O emissions** in the environment.

Gas **outlet** with **non-return valves**

Gas **inlet** with **non-return valves**

# Protect your eyesight



with a dental surgical light

Light intensity up to:  
**130,000 Lux**

Colour temperature:  
**4,500/5,000 K**

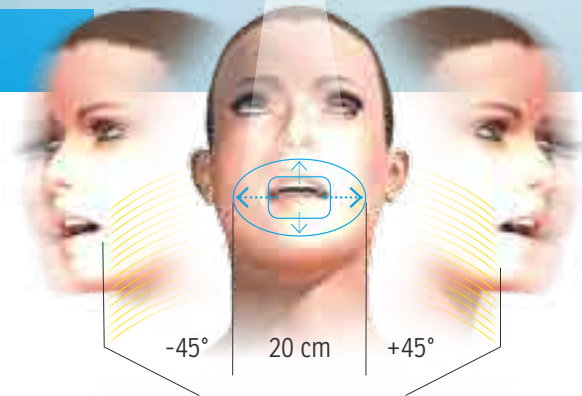
Illuminated field:  
**15 cm and 20 cm**



## Special for dental use

### Why use a dental surgery light?

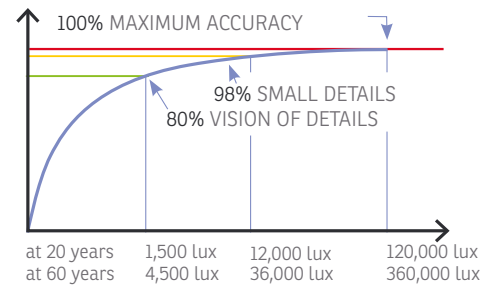
The lighting must guarantee accurate visual information transmitted from the work area to the surgeon during the operation, but must also guarantee eye protection.



### Possible visual harm 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. LC003LRD

Wall  
Art. LC001LRD

Ceiling  
Art. LC002LRD

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 needs of the operator:

- E-Dental Light Function: from 20,000 Lux a 55,000 Lux with General Practice Lamp function.
- ORION Light Function: from 40,000 Lux a 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 an evolution of the famous Orion 40 dedicated to the clinical needs of the dentist. The first surgical light specifically developed for dental use thanks to photometric measurements calibrated according to the dentist's needs: 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 (joined function), switches to the 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 the 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 lifting mechanism that ensures maximum operation. As a result of the tapered base, dental staff can work easily and efficiently.



Tecno-Gaz TYGI units are the only units that offer top quality, regardless of the model selected.



TYGI100B

TYGI100L

Various aspects can be taken into consideration when selecting a product. Finding a product that meets your requirements is imperative and cannot be renounced. Detail makes the difference and determines a unique top-quality product. Being able to choose is much better than adapting oneself. Tecno-Gaz gives you this option. You must select your unit according to your operating requirements. This is why we give you the option of deciding on the set-up that is ideal for your requirements.

# TYGI <sup>L</sup>

**Chair model L** with a vertical lifting 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 appointment 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, translates to a unique level of flexibility. Kyri is the perfect combination of an operating table and a dental appointment chair.

## Cutting-Edge Technology

- Multi-axis complex joints
- Movement without 'undressing effect'
- Integrated suction systems
- Wireless pedal
- Seamless integration with other devices in the room
- Orbital headrest
- Stabilisation systems

Rounded edges for maximum accessibility of the operating area

Enveloping backrest

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

Side rail

Range of orbital headrest (200 mm)

Anti undress System

## 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

## To work better

A better position and less muscular stress for the patient results in greater ease for you when carrying out your work.

## Infinite number of positions based on 5 axes

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



Dental

## 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 DSS



#### Surgical aspiration

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

### Kyri Cart



#### Much more than a unit

Configuration and operating flexibility thanks to Kyri Cart. Five slots for tools and total control of the Kyri set-up to store and return to your preferred positions.

### Bridge table

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



### 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 set-up with 2 cannulas. Kyri Water Unit is a conjunction element with suction systems of the clinic. The telescopic structure fits the operating ergonomics and allows the Kyri Water Unit to be stored under the worktops.

#### Anti-shock and emergency positions

Orthopneic or semi-seated position



Trendelenburg



Fowler



#### Surgical table

Variable height



# Smart Trolley

Tecno-Gaz has created the SMART TROLLEY concept, changing what seemed unchangeable. SMART TROLLEY is a Copernican revolution, not only because it completely innovates a sector, but because it changes the identity and role of a major component of the dental structure. The "FURNITURE" is no longer just a component of visual enhancement to the structure but an element of organisation, order and efficiency, becoming an asset in daily work.

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



Basin



*They only look like furniture? **Take a better look...***

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



# Unlimited setups

# 360



**80+**  
More than  
80 possible  
configurations



*Smart Trolley*  
**Intraoperative**



*Smart Trolley*  
**Electromedical**



*Smart Trolley*  
**Postoperative**



Any operating area needs to provide operators with what they need, repeatedly and independently. This is all encapsulated in the Intraoperative SmartTrolley: when it is not being used, everything remains hidden inside. When it is in use, i.e. when removed from its box, it becomes an indispensable tool.



Dental staff uses a large amount of electromedical tools during dental procedures. The solution is Smart Trolley Electromedical 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.

# Smart Blox



## Your space comes to life

The underlying innovative idea of our project is to design the space, and then all the support structures in an organic and dynamic way. For us the décor, the treatment units and all devices must not be a limit to the potential growth of the clinic but a flexible resource.



Trolley with drawers

Mobile unit



# Customise your ergonomics

# 360



## Solution with baseboard

An elegant baseboard to visually shield the lower part of the furniture. A good compromise between aesthetics and functionality.



## Feet solutions

The standard solution for the furniture with metal feet.



## Wall solution

For those looking for more access below the furniture to facilitate cleaning.

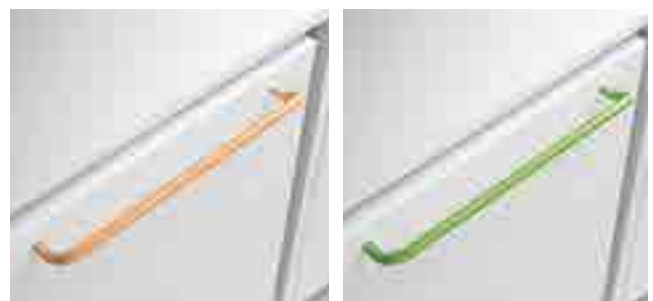


## Drip riser



## Chromatic customisation of handles

Only on mobile unit blocks



# Ergonomic work chairs

## *ErgoSeat*

The chairs used by dental surgeons are an important component for operating ergonomics, which is why they must allow for perfect ergonomics for the body. **Indeed, good ergonomics prevent damage that may be caused by incorrect behaviour due to the use of inadequate technology.**

## ErgoSeat

The dynamic compensation system eliminates the onset of painful issues or reduces the symptoms of incorrect postures held in the past.



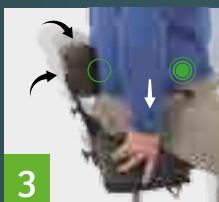
### Adaptive backrest



1



2



3

**ERGO SEAT's design is the result of in-depth orthopedic research.** The special seat in the shape of a bike saddle facilitates the work of different operators which means ERGO SEAT can also be used by people with different body shapes.

# SILVERLINE

## ANTIBACTERIAL

### Professional technical clothing

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

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 high aesthetic value, offering an excellent fit, with technical connotation**, linked to the logics of prevention and wellness.

Ag

WITH SILVER FIBRE  
ANTIBACTERIAL  
FABRIC

New

1

#### Design

The linea SilverLine range was designed for a perfect fit and comfort during daily activities. A team of Fashion Designers and technical clothing experts created a cutting-edge line of professional clothing.

2

#### Health

The bactericide action of *Silver*.

3

#### Comfort

In addition to an excellent fit, the action of the fabric with silver fibres stops the spread of microorganisms that cause unpleasant odours due to perspiration. Isothermal effect for hot/cold body temperature stabilisation.

4

#### Productivity

By reducing exposure to pathogenic agents you reduce the risk of direct contagion.



*Anticipate, advise and guide the change.*

# WE MANUFACTURE THE FUTURE

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

MTGZD0014 - Rev. 01/03/2017



HEADQUARTERS



FACTORY 2



AUTOCLAVES PRODUCTION LINE



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