



Gruppo _____
MEDICA
_____ Group

GROUP PROFILE 2018

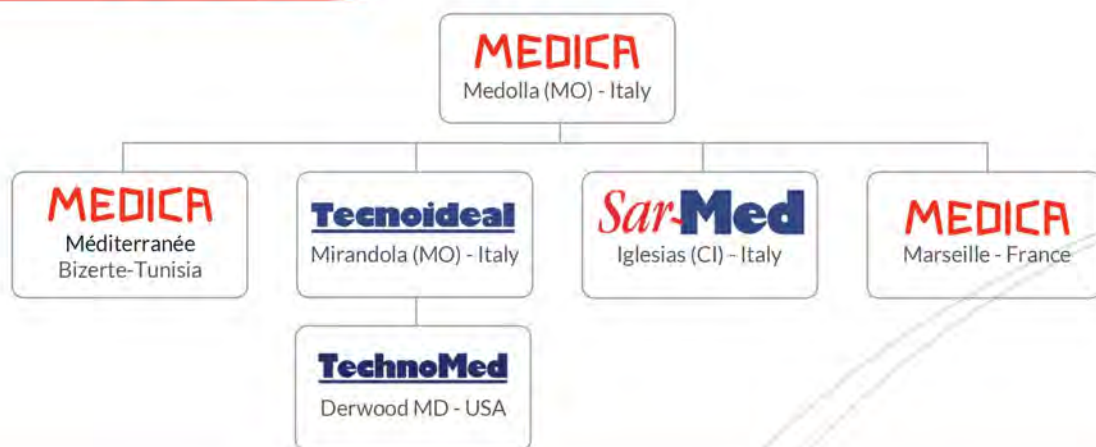
COMPANY

Medica Group is operating since 1985 in the biomedical district of Mirandola (Italy). Development of innovative products for blood purification has always been company's core business. R&D focus has been integrated over the years with a broad offer of sterile single use products manufactured in two facilities, one in Italy and one in Tunisia, with a highly automated production systems.

In addition to the portfolio of disposable medical devices and electromedical equipment, Medica Group, through the subsidiary Tecnoideal, offers a wide range of machines for medical disposable's production, with increasing level of automation.

Hollow fiber spinning for hemofiltration, plasmapheresis and water ultrafiltration represents the core technology of the company. In recent years, the drive to find new products and markets has led the Group to launch the Medica Water Division, for the development and commercialization of microbial water filtration devices and to develop products for bio-regenerative medicine.

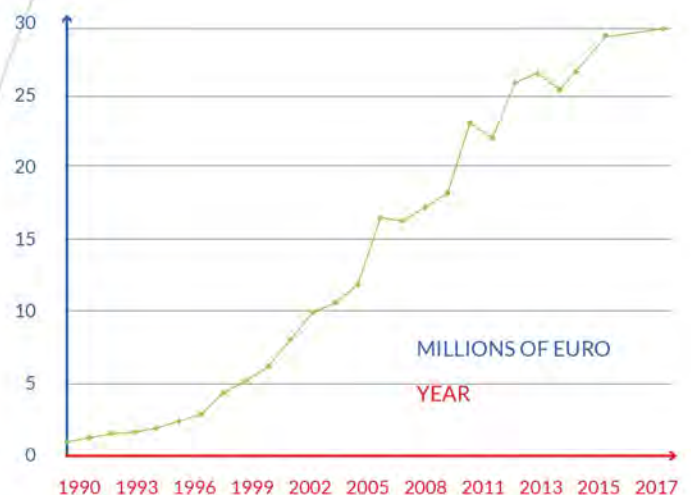
GROUP STRUCTURE



LOCATIONS



GROWING SINCE 1985



BLOOD PURIFICATION

DIALYSIS



DiaSmart®
Dialysis Machine



HDF On Line



With D150/W ultrafilter
MediSulfone® membrane

Blood Lines



For the most common
dialysis machines on
the market

Diapure®
Ultrafilters
MediSulfone® membrane



Hemofilters

PUREMA® and MediSulfone®
membranes



Smartflu
PUREMA® m



CARE FOR CHILDREN



CRITICAL CARE



AFERsmart™

Apheresis equipment for:
Plasma Exchange;
Rheopheresis Double Filtration;
Rheopheresis Selective Apheresis;
Rheopheresis Double Filtration
Adsorption;
Hemoperfusion.

FRACTIOsmart™
Plasma Fractionator

Versatile™-PES 5000 membrane



Leukocyte
Adsorber



KALOS

Replacement fluid and blood
warmer for CRRT, Hemoperfusion,
Plasma treatments



DECAPsmart® Plus

CO₂ removal
CO₂ removal+HF



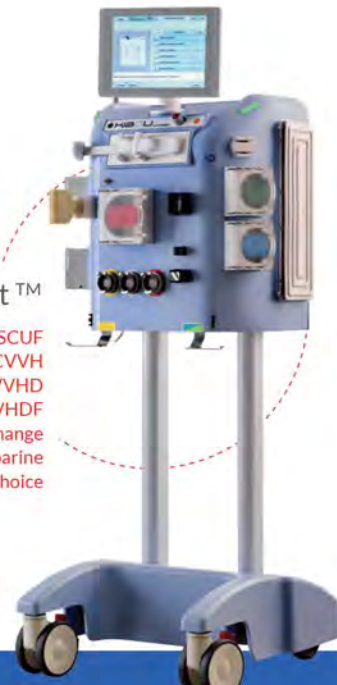
LEUKOsmart™

Leukocyte Adsorber:
Crohn Disease,
Ulcerative Colitis



AcuSmart™

SCUF
CVVH
CVVHD
CVVHDF
Plasma Exchange
* Citrate and Heparine
Anticoagulant choice



CARDIOLOGY



CARDIOsmart
Ultrafiltration in Congestive Heart Failure



MediSulfone®

is a registered trade mark of Medica S.p.A

PUREMA®

is a registered trade mark of Membrana GmbH

Versatile™-PES

is the MEDICA hollow fiber membrane specially developed for plasma separation and plasma fractionation

x Dialyzers
membrane



Hemoconcentrators
PUREMA® and **MediSulfone®** membranes

PROTSmart™
Innovative Growth factors Concentrator

Small size concentrators for hemocomponents, cells and proteins.

BIOREGENERATIVE MEDICINE (PRP-PPP)



smart **Versatile™-PES membrane**

WATER PURIFICATION



MEDIAPURE FILTERS

Lab-Pharma-Industrial
Filtration at 15 kDa
cut-off

DSU



SSU10



DOUBLE STAGE ULTRAFILTRATION

EPO Dose Reduction in Dialysis

DSU



POINT OF USE FILTRATION



MWD INDUSTRIAL ULTRAFILTER

Ranging from 0,5 m² to 45 m²
membrane surface



MENFIS DIVISION

INFUSION



AIR FLOW STOP
Infusion Sets
to preserve patients
from air bubbles



Vitalflow

Infusion Sets

URODYNAMICS



FLOW ZIG
Uroflowmetry



Urodynamic
Catheters



PICO SMART
Urodynamic System



PICO FLOW2
Stand-alone
Uroflowmeter

GASTROENTEROLOGY



Gastrointestinal
Manometry Catheters

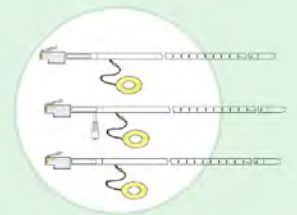


DYNO SMART
Gastrointestinal
Manometry System

CLIPPER
High Resolution
Manometry System



BLU RUNNER
PH / Impedance
manometry recoder



pHmetry Probes

ONCOLOGY



FLEXIPER
Intraoperative
ChemoHyperthermia



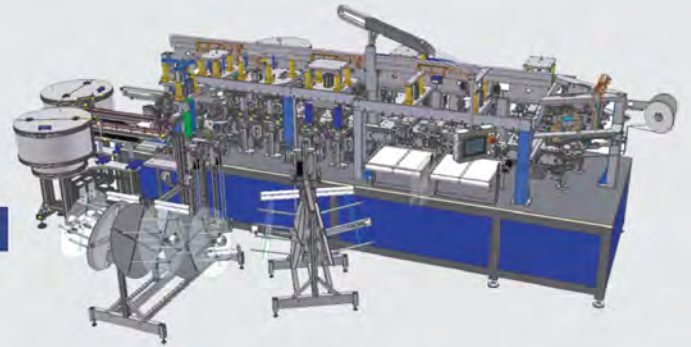
FLUID HEX
Patented Heat
Exchanger Technology
Patent: EP19S1339B1

Disposable kits for:
• HIPEC
• ILP

BLADDER



Bladder Scanner
PBSV 4.1



AUTOMATIC MACHINES



CCB Series

Automatic Cutting, Coiling and Banding of tubing coming from reels with 1 or 2 pieces of cohesive tape

Extrusion Line
for Medical Tubing

Full Automatic Coiler
for Tubing
from the Extrusion Line

Cut & Print
of Medical Tubing

Laser Marking
for PVC Tubing
From the reel
to the collection belt



Turnkey Full Automatic Lines

For the production of:
Tubing sets
Drip Chambers
Components
Dialyzer Filters

CUTTING EQUIPMENT

ROTOcut

in line with the Extruder



TECNOcut
Suitable with a wide range of Materials and Diameters



EASYcut
Entry Level solution

READYcut
Cuts and Dispenses Solvent to tubing



Motorized Uncoiler

Suitable with EASYcut and READYcut



DISPENSING SOLUTIONS

for Solvent and U.V. Glue on tubing and components



DS Series



DUV Series

LEAK TESTERS

P-Test Series

- Pressure full scale up to 9 bar
- Obstruction Test Available

P-Test Plus Series

- Pressure full scale up to 6 bar
- Electronic Pressure Regulator
- Extended Display



Accessories & Custom Solutions

- Constraining holders for plastic bags
- Equipment for Vacuum tests
- Multi-way sequencer
- Tests Data Collection

ACCESSORIES

Bushings are the core of our proven and unique dispensing system



DS-Plus Maxi Reservoir



SOLV-it 100% mechanical



Solvent Dispensers Automatic Cleaner

TUBING EXPANDERS

Picchio Series

Available with 2 and 3 tips Jaws sets
Straight, 90° Left or Right



COILING MATES

Windy

Benchtop Semi-Automatic Coiling Equipment

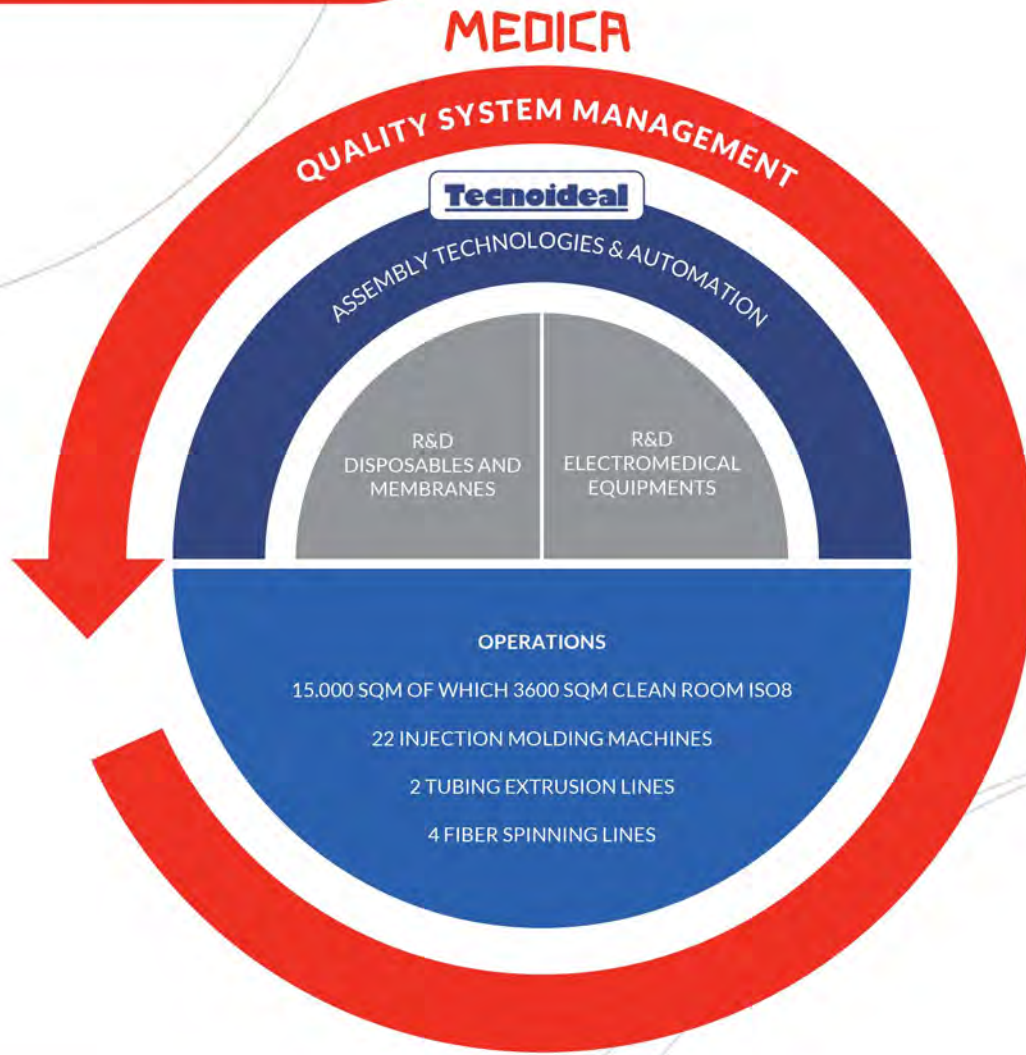


Cohesive Tape
Available with and without Latex



Tape Dispenser
Suitable with Reels up to 50 mm width

COMPANY ACTIVITIES

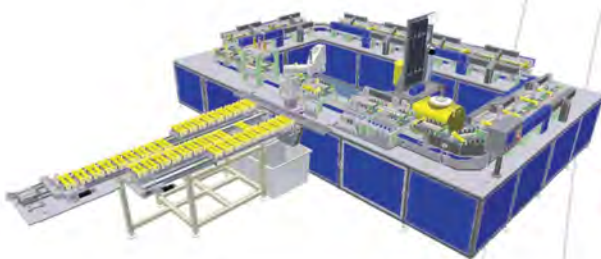


TURNKEY PLANT

Medica Group strength is given by the 360° coverage of medical product design, development, validation, quality & regulatory affairs management and manufacturing expertise.

Turnkey plants based on Tecnoideal assembly technology complete the offer for our costumers.

DIALYZER ASSEMBLY LINE



400 Dialyzers/hour
in a compact 250m² area

AUTOMATIC ASSEMBLY MACHINES



Customised Solutions

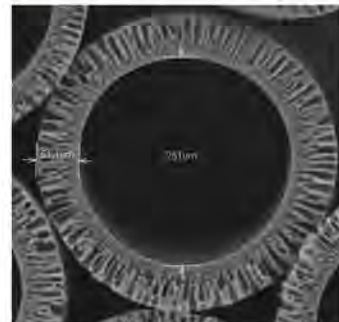
POLYETHERSULFONE FIBER SPINNING



In 1995, MEDICA S.p.A developed its first own hollow fiber polysulfone membrane for blood and water depuration, becoming the only Italian manufacturer producing hollow fiber membranes used for medical and water purification purposes.

MediSulfone®

MediSulfone® membrane is characterized by excellent performance in the purification of blood and water-based solutions from contaminants, blood toxins, bacteria, viruses and endotoxins. Its superior filtration capability derives from the structure of the membrane: the internal skin has a high density of small pores determining the two differential molecular weight cut-off available of 15 kDa or 50 kDa.

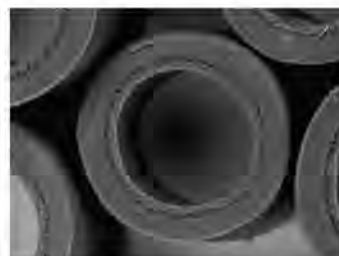


MediSulfone® UF hollow fiber section, SEM image at 400x

MediSulfone® is a registered trademark of Medica S.p.A

Versatile™-PES

Versatile™-PES has been developed to meet the increasing demand of wide spectrum filtration membranes for blood, plasma and water-based solutions. Versatile™ PES finds its major application in plasma-filtration and water microfiltration due to a structure (polymeric blend of polyethersulfone and polyvinylpyrrolidone), which ensures a mean pore size in the microfiltration range (about 0,2 µm) and good mechanical resistance. Only recently some additional versions of Versatile™-PES membrane have been developed with differential cut-off (ranging from 150 kDa to 800 kDa), suitable for plasma fractionation application.



Versatile™-PES hollow fiber section, SEM image at 300x.

Versatile™-PES is a trademark of Medica S.p.A

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