



MEDICA
SEAMLESS INNOVATION FOR LIFE QUALITY

GROUP PROFILE 2023

COMPANY

GROUP:

Medica Group is a leading manufacturer of medical and water purification device operating since 1985 in the biomedical district of Mirandola in Italy.

BUSINESS UNITS:

Medical division: disposable and equipment for blood purification, cardiology, organ transplant, bioregenerative medicine, urology, and oncology.

Water division: ultrafiltration and microfiltration from home drinking to hospital and pharma applications.

Automation: assembly equipment for medical device manufacturers.

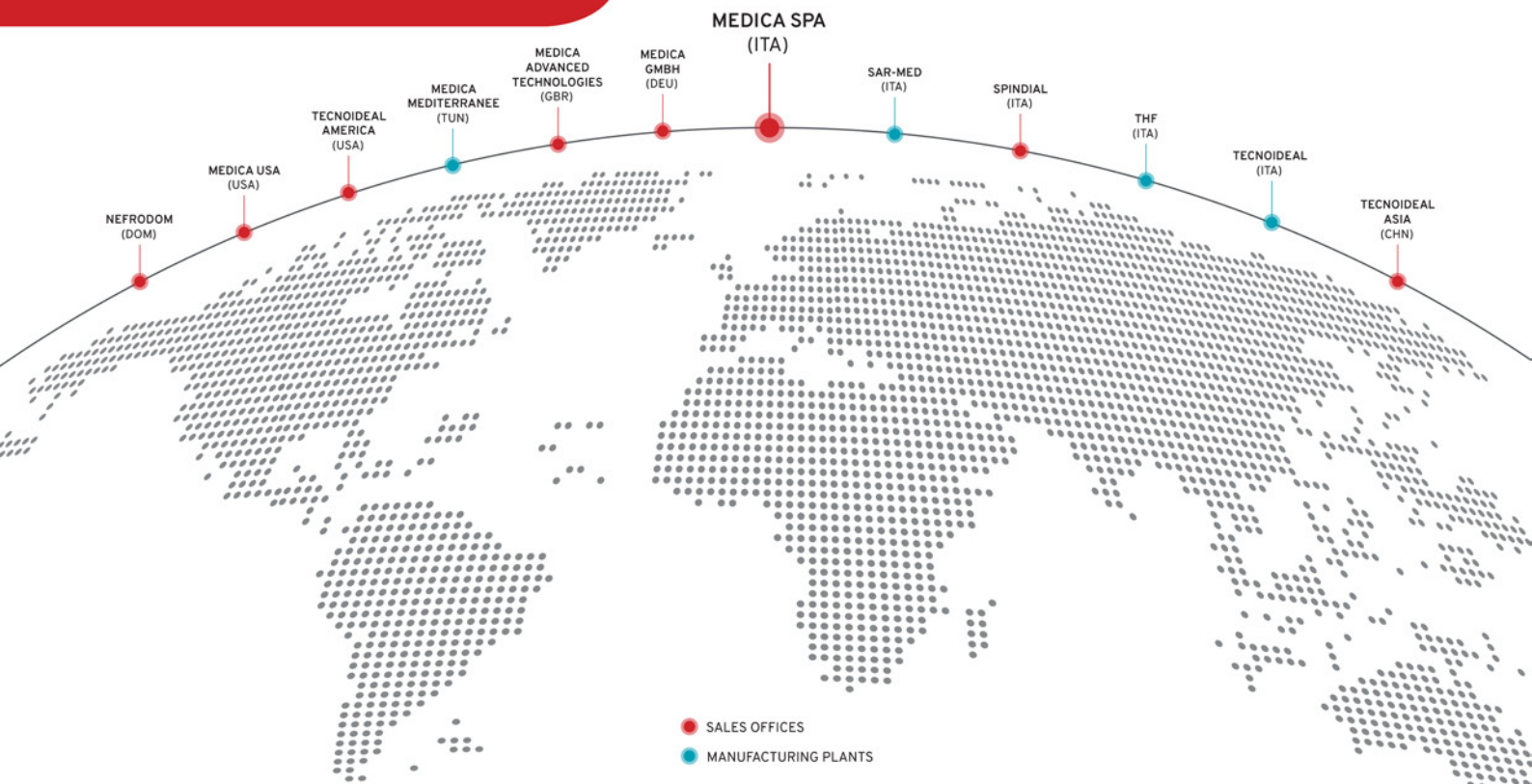
STRENGTHS:

Vertical integration from R&D to manufacturing for disposable, medical equipment and assembly technology.

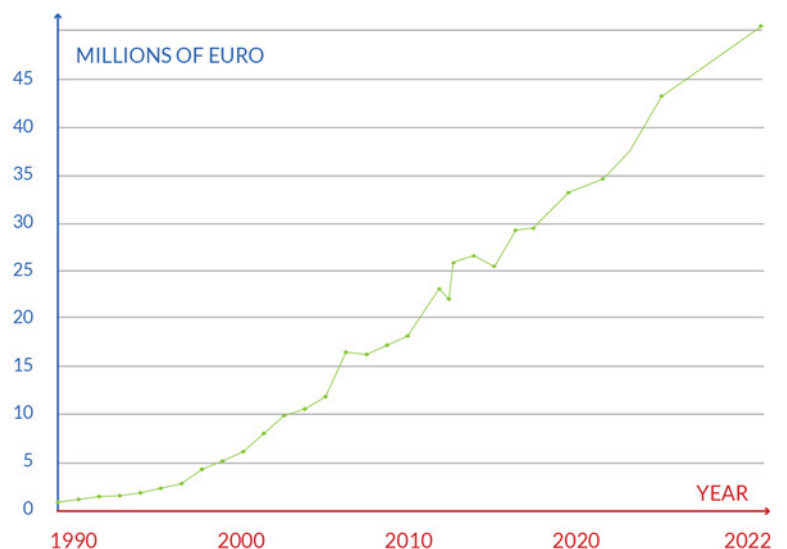
Know how integration makes MEDICA Group a strategic partner and a global solution provider for many multinational corporation.

Hollow fiber spinning technology for blood and water purification.

GROUP STRUCTURE



GROWING SINCE 1985



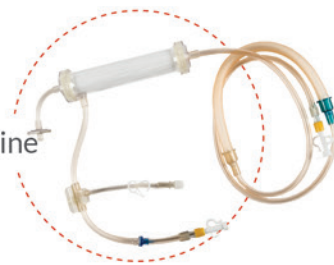
MEDICAL DIVISION

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...

CRITICAL CARE

FRACTIOsmart™
Plasma Fractionator

Versatile-PES® membrane



Plasmart

Versatile-PES® membrane



CARE FOR CHILDREN

INTENSA®

CVVH, CVVHD, CVVHDF,
SCUF, (also with double filter)
ECCO2R, ECCO2R+PLM,
ECCO2-R+HF+PLM
PEX, HP



AFERsmart Plus™

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



KALOS™

Replacement fluid/
blood warmer for CRRT,
Hemoperfusion,
Plasma treatments.

DECAPsmart® Plus

CO₂ removal
CO₂ removal+HF



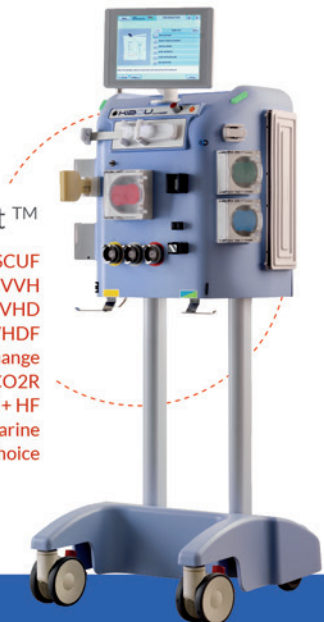
Leukocyte
Adsorber

Leukocyte Adsorber:
Crohn Disease,
Ulcerative Colitis

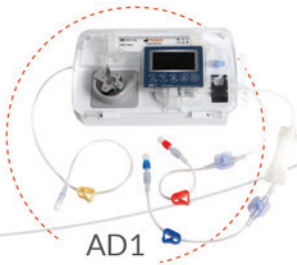


AcuSmart™

SCUF
CVVH
CVVHD
CVVHDF
Plasma Exchange
ECCO2R
ECCO2R + HF
* Citrate and Heparine
Anticoagulant choice



CARDIOLOGY



AD1
Slow Continuous
Ultrafiltration Wearable
Device

CARDIOsmart™
Ultrafiltration in Congestive
Heart Failure



MediSulfone®

is a registered trademark of Medica S.p.A

PUREMA®

is a registered trademark of Membrana GmbH

Versatile-PES®

is the MEDICA hollow fiber membrane specially developed for plasma separation and plasma fractionation and is a registered trademark of Medica S.p.A

x Dialyzers
membrane



ORGAN TRANSPLANTATION

VITAsmart™
Liver and Kidney Perfusion
for Transplantation



Hemoconcentrators
PUREMA® and **MediSulfone®**
membranes

BIOREGENERATIVE MEDICINE (PRP-PPP)



PROTSmart™
Innovative Growth factors Concentrator

Project funded by Horizon announcement
2020 PON IC 2014-2020 referring to the
D.D. 1 June 2016



Small size
concentrators for
hemocomponents,
cells and proteins.

ONCOLOGY



FLUID HEX
Patented Heat
Exchanger Technology
Patent: EP19S1339B1

Disposable kits for:

- HIPEC
- ILP

FLEXIPER™
Intraoperative
ChemoHyperthermia



GASTROENTEROLOGY

DYNO SMART
Gastrointestinal
Manometry System



URODYNAMICS



Urodynamic
Catheters



FLOW ZIG
Uroflowmetry



PICO SMART
Urodynamic System

PICO FLOW2
Stand-alone
Uroflowmeter



BLADDER SCANNER

Bladder
Scanner
PBSV 5.1



MANOMETRY CATHETERS

Gastrointestinal
Manometry
Catheters



WATER PURIFICATION DIVISION



IN-LINE FILTERS

Water for drinking, cooking and personal hygiene, industrial and laboratory processes.

Maximum safety in case of double stage ultrafiltration use (DSU).



CARTRIDGE FILTERS



Point of entry filtration in building, industry and laboratory processes.

222 O-Ring (code 3) connection.

POINT OF USE FILTERS

Infection control in communities and health care facilities.



CAPSULE FILTERS



Semi-finished product, in addition to other filtering systems (i.e Carbon Block filters).

ENDOSMART



Industrial applications, clean and robust design for filters made completely in PP, suitable for thermal disinfection processes.

Tri-clamp fittings with air vent connection.

FOCUS ON 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.

BLOOD PURIFICATION

Membrane	Available MWCO (KDa)	Applications
M -PES	20	Low Flux Dialysis
Medisulfone®	50	Hemofiltration
M -PES	60	High Flux Dialysis
Versatile -PES®	150	IgG Apheresis
Versatile -PES®	400	IgM Apheresis
Versatile -PES®	800	LDL Apheresis
Versatile -PES®	1.000	Plasma Separation

Medisulfone® and Versatile -PES® are registered trademarks of Medica S.p.A.

WATER PURIFICATION

Membrane	Available pore size (µm)	Retention		
		Bacteria	Virus	Endotoxins
Medisulfone®	0,005	✓	✓	✓
Versatile -PES®	0,15	✓		

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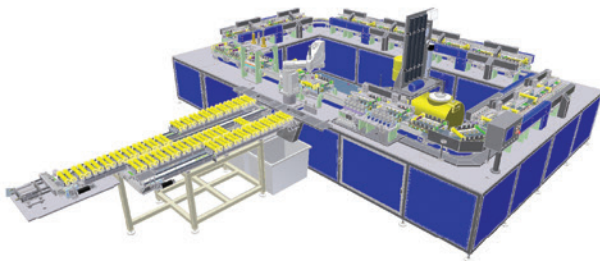


AUTOMATION DIVISION

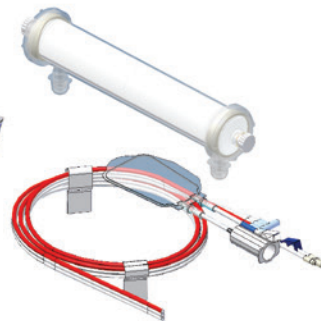
Medica Group strength is given by the 360° coverage of medical product design, development, validation, quality & regulatory affairs management and manufacturing expertise.

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

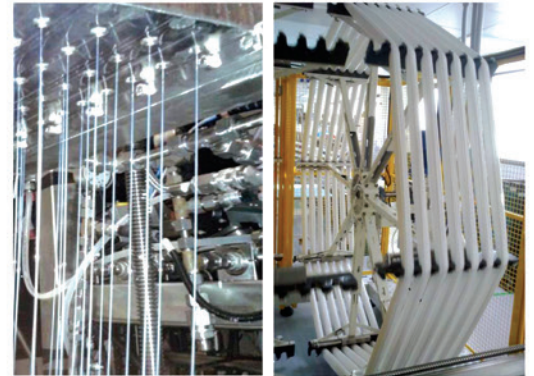
CUSTOMIZED AUTOMATIC ASSEMBLY MACHINES



400 dialyzers/hour in 250m² area
200 dialyzers/hour in 100m² area



Dialyzers and tubing sets



In-house fiber spinning technology

CUTTING EQUIPMENT

TECNOcut 1.6

Suitable with a wide range of Materials and Diameters



READYcut

Cuts and Dispenses Solvent to tubing

DOUBLEcut

High productivity tube cutting machine, suitable for wide range of materials and diameters



DISPENSING SOLUTIONS

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

DS-Vision

DS Vision is the latest and most advanced solvent dispenser which incorporates process control and 4.0 features



DUV Series



Custom designed bushings are the core of our proven and unique dispensing system, now also available with color coding features.



DS Series



Solvent Dispensers Automatic Cleaner

LEAK TESTERS



P-Test Series

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

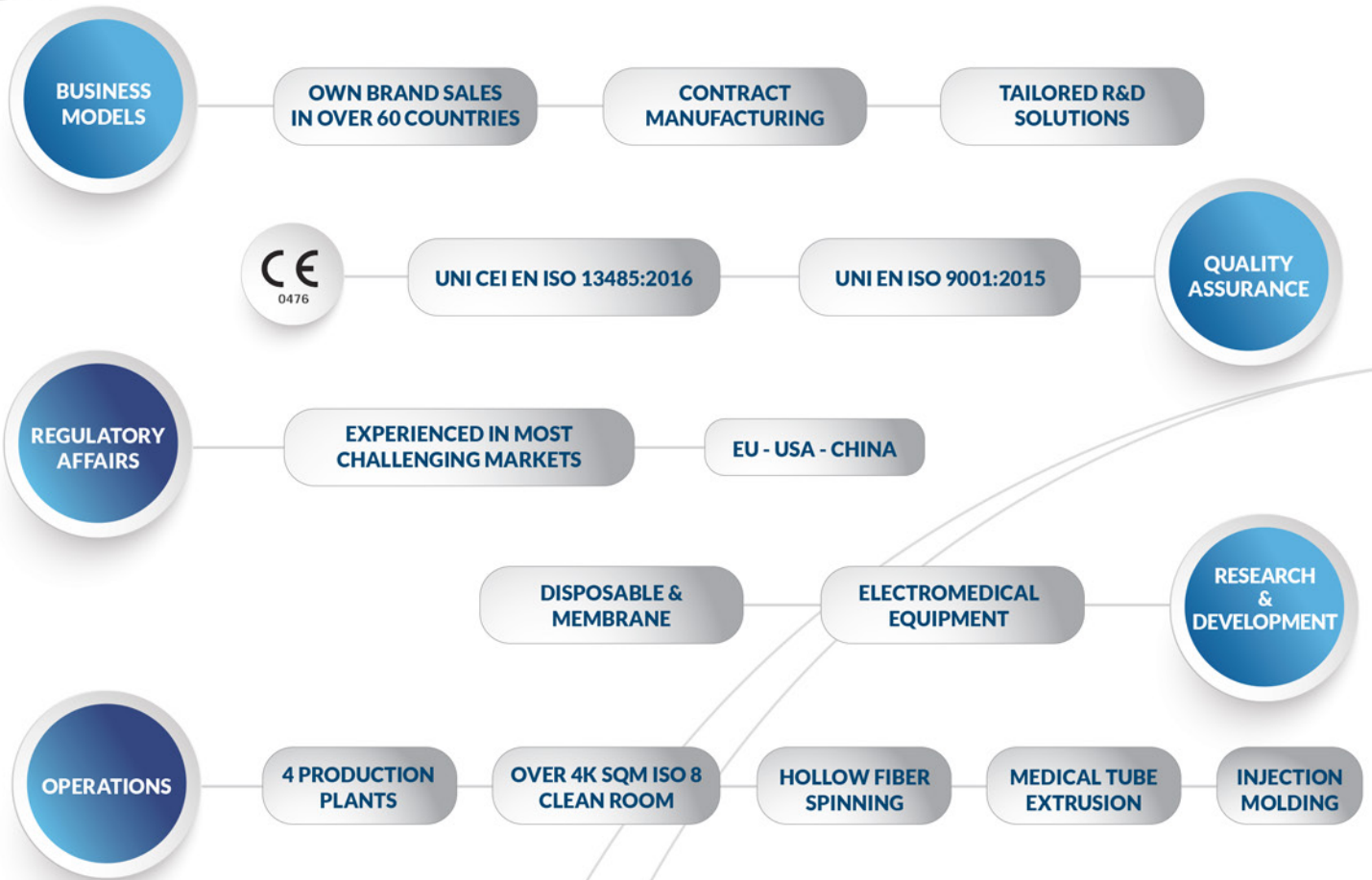
P-Test Plus Series

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

Accessories & Custom Solutions

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

MEDICA AT A GLANCE



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