



**MEDICA**

SEAMLESS INNOVATION FOR LIFE QUALITY

GROUP PROFILE  
**2024**

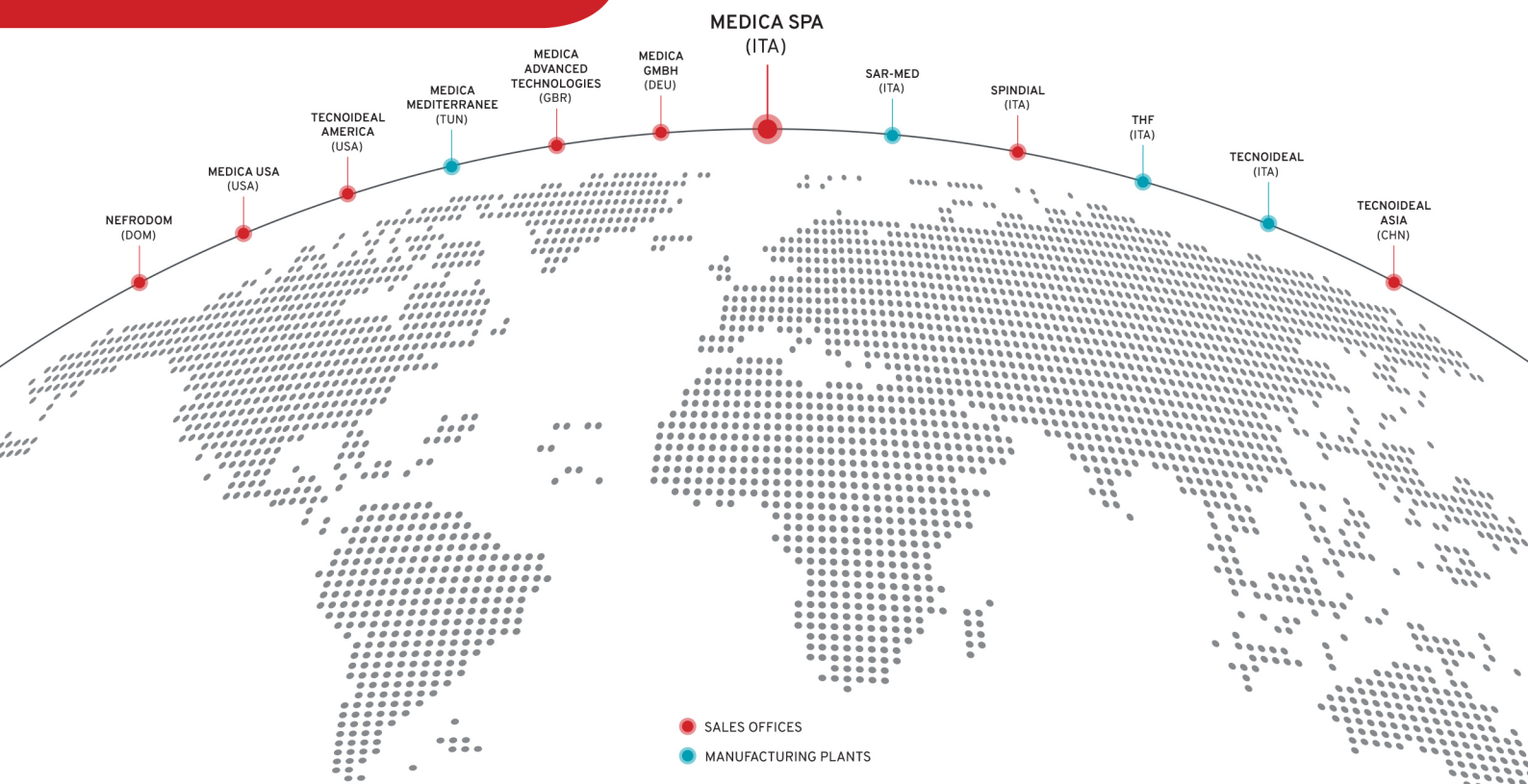
# COMPANY

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

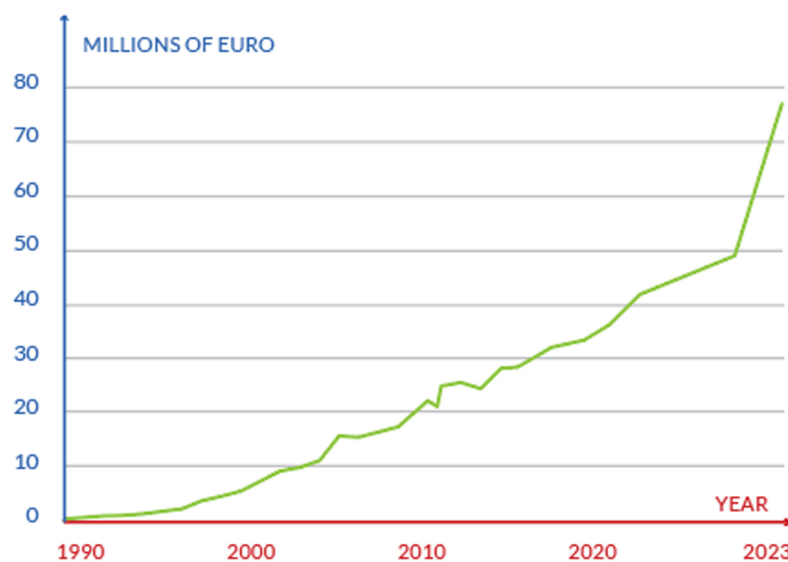
**BUSINESS UNITS:**  
**Medical division:** disposable and equipment for blood purification, cardiology, organ transplant, bioregenerative medicine, urology, and oncology.  
**Water division:** ultrafiltration and microfiltration from home drinking to hospital and pharma applications.  
**Automation:** 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

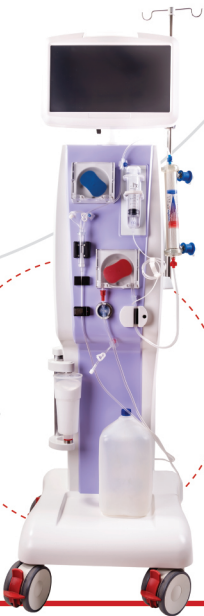




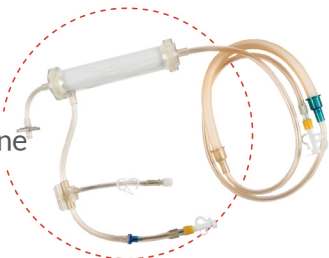
# MEDICAL DIVISION

## 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



## CARE FOR CHILDREN

## CRITICAL CARE

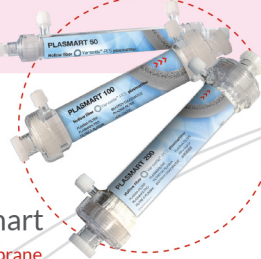
FRACTIOsmart™  
Plasma Fractionator

Versatile-PES® membrane



Plasmart

Versatile-PES® membrane



AFERsmart Plus™

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

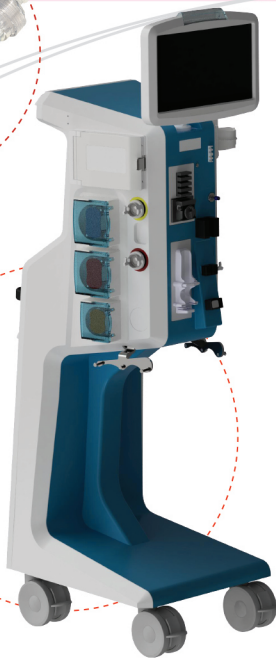


KALOS™

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

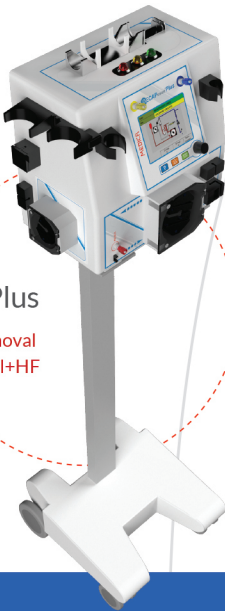
INTENSA®

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



DECAPsmart® Plus

CO<sub>2</sub> removal  
CO<sub>2</sub> removal+HF



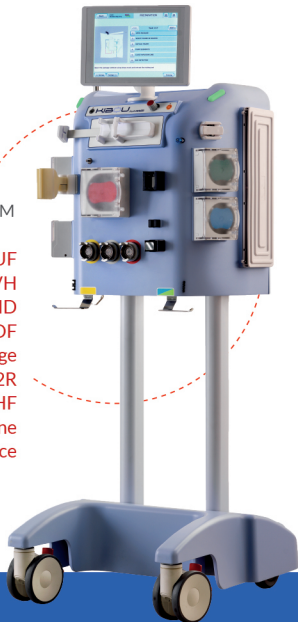
Leukocyte  
Adsorber

Leukocyte Adsorber:  
Crohn Disease,  
Ulcerative Colitis

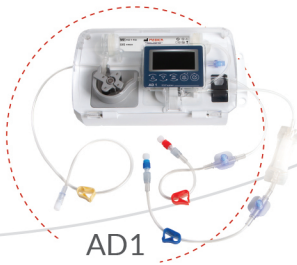


AcuSmart™

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



## CARDIOLOGY



AD1

Slow Continuous  
Ultrafiltration Wearable  
Device

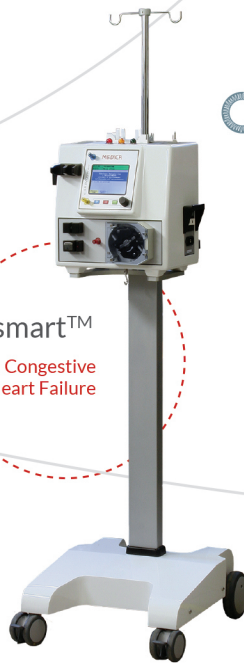


Hemoconcentrators

**PUREMA®** and **MediSulfone®**  
membranes

**CARDIOsmart™**

Ultrafiltration in Congestive  
Heart Failure



**MediSulfone®**

is a registered trademark of Medica S.p.A

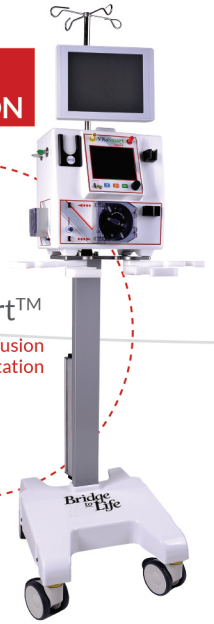
**PUREMA®**

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

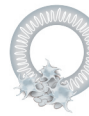
## ORGAN TRANSPLANTATION



**VITASmart™**

Liver and Kidney Perfusion  
for Transplantation

## 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

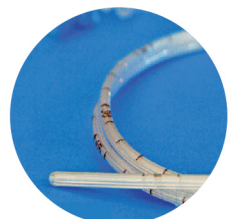


**PICO FLOW2**

Stand-alone  
Uroflowmeter

## MANOMETRY CATHETERS

Gastrointestinal  
Manometry  
Catheters



## BLADDER SCANNER

Bladder  
Scanner  
PBSV 5.1





# 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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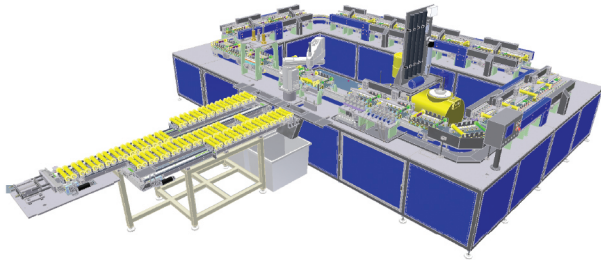


# AUTOMATION DIVISION

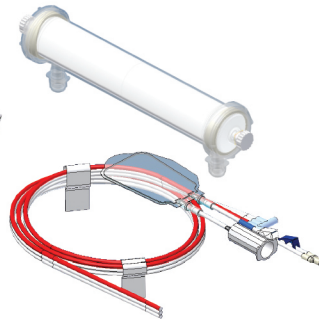
Medica Group strength is given by the 360° coverage of medical product design, development, validation, quality & regulatory affairs management and manufacturing expertise.

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

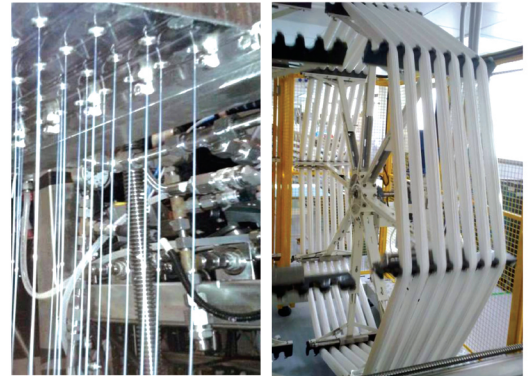
## CUSTOMIZED AUTOMATIC ASSEMBLY MACHINES



400 dialyzers/hour in 250m<sup>2</sup> area  
200 dialyzers/hour in 100m<sup>2</sup> 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 UV. 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.

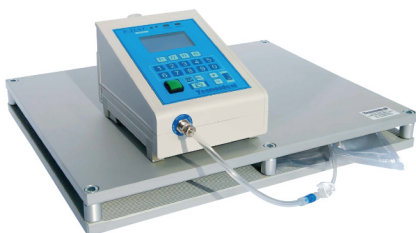


DS Series



Solvent Dispensers  
Automatic Cleaner

## LEAK TESTERS



### P-Test Series

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

### P-Test Plus Series

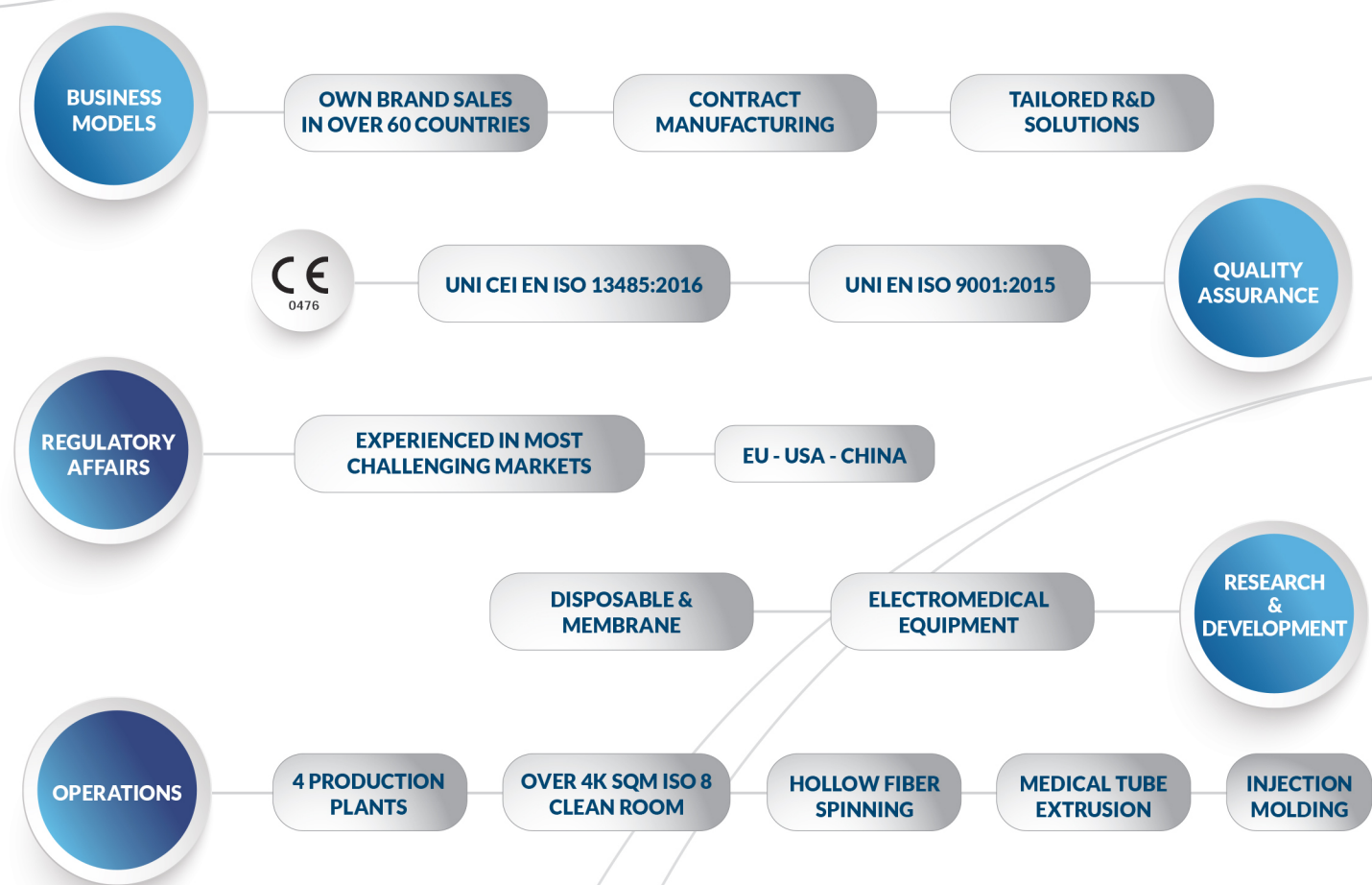
- Pressure full scale up to 6 bar
- Electronic Pressure Regulator
- Extended Display

### 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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