

# PICO® COMPACT

MORE EQUIPMENT IN ONE: A DIAGNOSTIC SYSTEM  
THAT GROWS ACCORDING TO YOUR NEEDS

PICO® COMPACT can be expanded with the following options:

**Video-urodynamics** - to combine x-ray or ultrasound images and short movies with the urodynamic tracings;

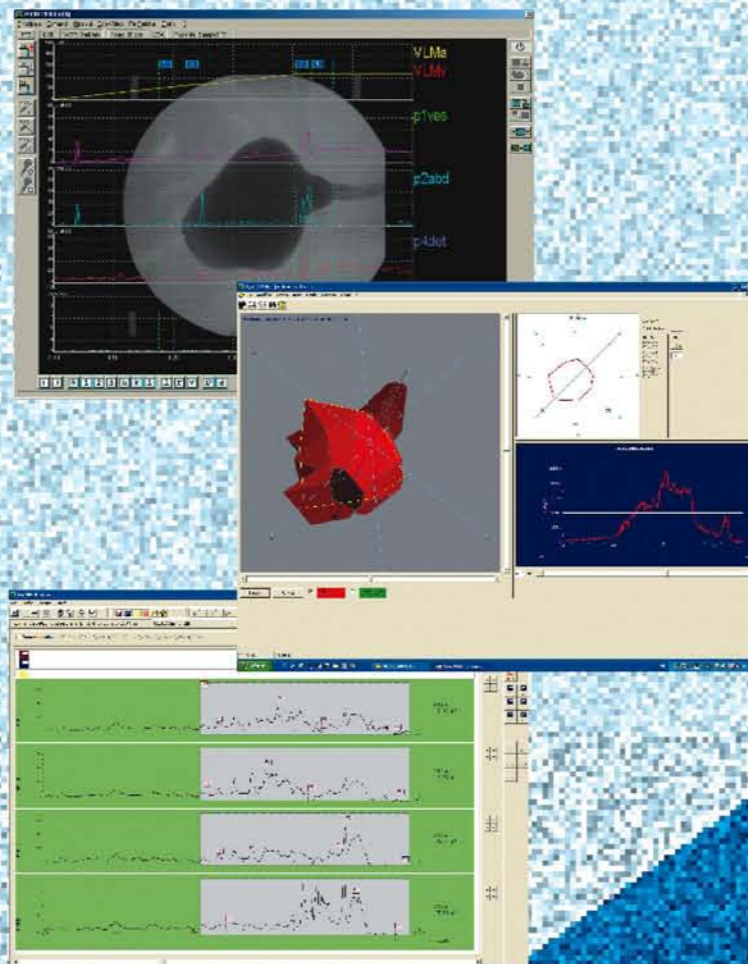
**Biofeedback** - for the pelvic floor functional rehabilitation in the urinary incontinence;

**Oesophageal and Anorectal motility** - to evaluate the gastrointestinal motility;

**Whitaker Test** - to study the functioning of the upper urinary tract;

**Cavernosometry** - to evaluate erectile disorders;

**Voice** - to run the system by vocal commands and to record comments during the study;



## CATHETERS

Menfis bioMedica offers a wide range of catheters and lines developed in close cooperation with the urodynamicists to combine the maximum comfort of the patients with the best possible measurements. The catheters are made in high quality materials like PEBAX®, widely tested to meet the needs of the Urodynamic studies. Require the Menfis catalogue "Urodynamic catheters and lines" or visit our web site: [www.menfis.it](http://www.menfis.it)

**Menfis**  
bioMedica

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Flowmeter

**PICO® COMPACT**  
COMPUTERISED SYSTEM FOR  
URODYNAMICS



# PICO® COMPACT

## COMPUTERISED SYSTEM FOR URODYNAMICS

**PICO® COMPACT** consists of 2 units: Central Unit and Patient Unit connected by a fiber-optic cable, 5 m long. If required the 2 units can be assembled in one single trolley so that the system is very compact.

**The Central Unit** is based on a trolley (with 5 pivoting antistatic wheels of which 2 with brakes) housing the personal computer, monitor and printer as well as the power supply with insulation transformer of medical grade. The power supply has 6 socket to which all the electronic components are plugged so to ensure the highest degree of safety for the operators and patients.

**The Patient Unit** is provided with a pole on which all the peripherals and accessories are mounted like the peristaltic pump, catheter withdrawer (puller), pressure transducers, volume transducer and acquisition box.

The pressure channels are compatible both with external transducer for water perfused catheters and solid-state catheters like those manufactured by Unisensor, Gaeltec, Millar and others. The easy accessibility to the channels allows the operator to change the kind of transducers according to the need of the study.

The new uroflowmeter is connected to the acquisition board by means of a cable 9 m long, so that it can be put in a private place to make the patient more comfortable.

**PICO® COMPACT** is supplied with a remote control in order to run at distance all the peripherals and the main functions of the software package PICO® 3000.

If you own a Personal Computer with minimal requirements, you only need to buy the Patient Unit and the software package in order to get your urodynamic system.

**PICO® COMPACT** performs the following urodynamic studies:

- Flowmetry
- Cystometry
- Urethral-Cystometry
- Pressure-Flow Study
- Urethral Pressure Profile
- Conductance
- Valsalva and Strain Leak Point Pressure
- Electromyography



Pazient Unit

### SOFTWARE PICO® 3000: THE NEW ADVANCED URODYNAMICS

The software package supplied with the **PICO® COMPACT** system is of new design and utilises all the tools of the Windows® operative system where it was written.

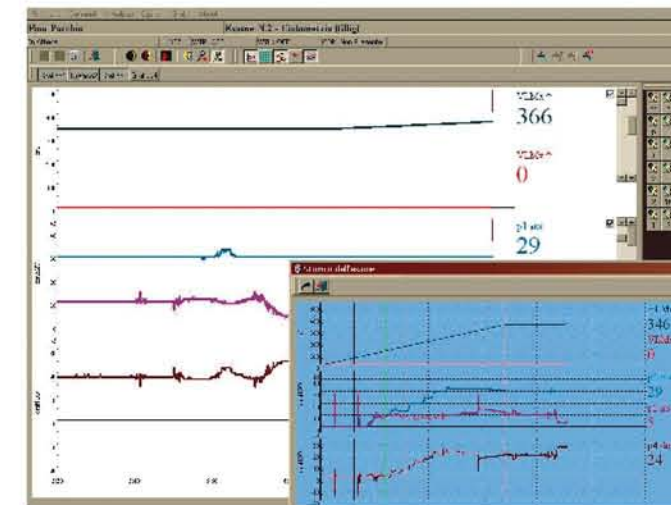
**PICO® 3000** is a program that carries out and analyses all the urodynamic studies in just one single stage.

It includes the following features:

- **Database** (MS-Access® compatible).
- **Automatic medical reports** based on preset or customised templates.
- **Export software** to export studies results and data towards the MS Office® (Excel - Power Point - Word) applications.
- **Remote service software** that allows Menfis service department to check up and update the software packages of your **PICO® COMPACT**, wherever your office is located simply by connecting your system to the Net.

### Advanced Analysis of Pressure Flow Studies

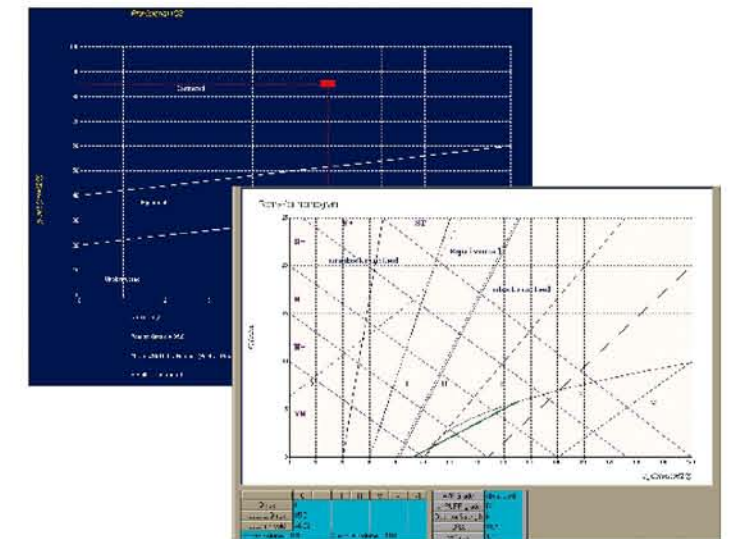
This powerful tool carries out advanced processing including (among others): Provisional ICS, Schäfer's nomograms, Abrams and Griffith's plot, the grading of the Urethral obstructions according to Prof. Höfner (Chess plot), the curves of the parameters PURR, DURR and LinPURR developed by Dr. Schäfer, the plots of Detrusor Contraction Speed and Detrusor Power Contraction.



**PICO® 3000** presents a greater capability to be **part of a network**: by sharing the patients and studies lists with a network it is possible, for example, to analyse the studies and write medical reports on-line, even through Internet (if the operator has got the authorisation).

**URETHRAL VECTOR VOLUME**: a new modality to study the pressure profile. We take the flat pressure profile and combine it with others taken from different angles and build up a 3D picture, the so called Vector Volume.

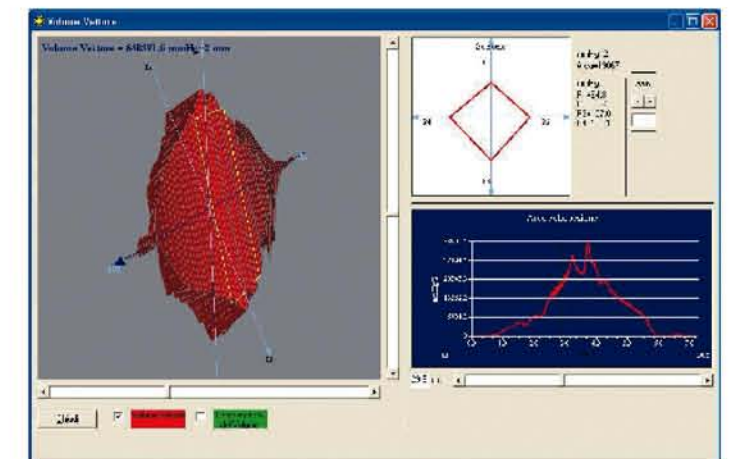
It gives a comprehensive visualisation of the urethral sphincter.



**RISK-FREE STUDIES**: Thanks to the **automatic save & resume** feature, the study interrupted for any reason, also for a blackout of the mains, is resumed from the point where it was interrupted.

The **automatic artefact rejection facility** allows the detection and cancellation of the false recorded data which could led to uncorrected evaluation.

Thanks to the capability to review **the history of the study** the operator can recall significant periods while performing the study.



Urethral Vector Volume