

NEW

# Hema One

Compact & Versatile Fully Automated Solution

• Reliable • User-friendly • Compact

FAST & ACCURATE DIAGNOSIS OF:

Gastro-intestinal

Diabetes

Hospital Admission

Cardiac panel

Metabolic Disorders

Vitamin Deficiencies

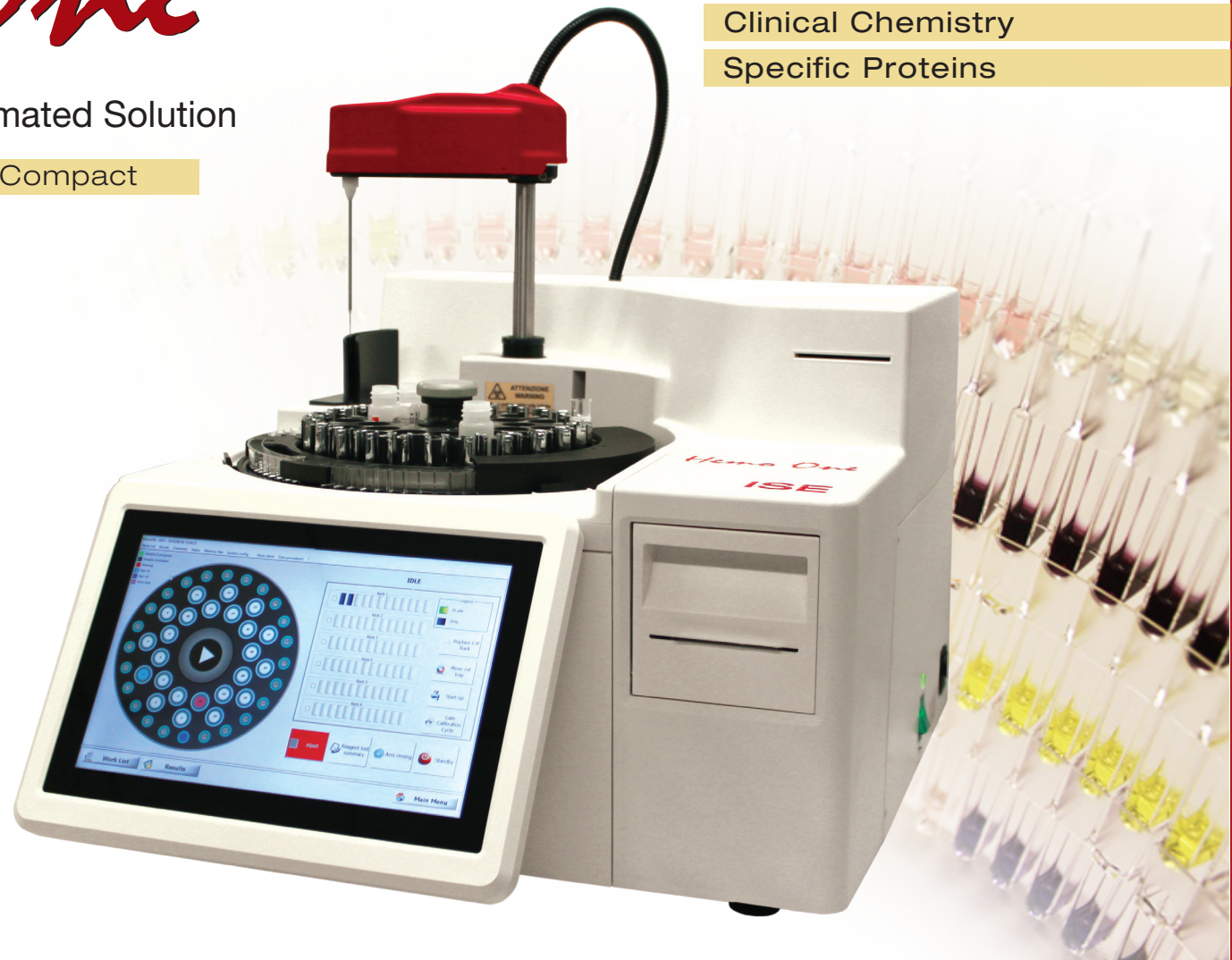
Inflammatory Diseases

Clinical Chemistry

Specific Proteins

# ISE

CUSTOMISED SOLUTIONS  
FOR YOUR LABORATORY





# Hema One

COMPACT & VERSATILE  
A FULLY AUTOMATED SOLUTION

- A fully automated, highly integrated compact analyser.
- Specially designed for small to mid-sized laboratories, doctor offices, specific hospital settings, (rural) labs.
- Easy to operate menu for fast startup and minimum down time.
- Disposable reaction cells.
- Low water consumption.
- Minimum maintenance required.
- Very cost effective and precise.
- Smart card
- Integrated computer and printer
- 2 years warranty.
- Fully developed and made in Italy.

NEW

## DIABETES DEDICATED PANEL

HbA1c  
GLUCOSE  
MICRO-ALBUMIN

## GASTRO-INTESTINAL (FECAL) PANEL

CALPROTECTIN  
H. PYLORI  
HAEMOGLOBIN (FOB)  
TRANSFERRIN

NEW

## ADDITIONAL SPECIALTY TESTS

VITAMIN D  
hs-CRP  
CYSTATIN-C

## CLINICAL CHEMISTRY / TURBIDIMETRY / LATEX REAGENT KITS

A	ADA	C	CALCIUM	H	HbA1c	R	RHEUMATOID FACTOR
	ALBUMIN - BCG		CARBON DIOXIDE		HAPTOGLOBIN	S	SODIUM
	ALFA-1 ACID GLYCOPROTEIN		CERULOPLASMIN		HDL CHOLESTEROL	T	TOTAL PROTEIN
	ALFA-1 ANTITRIPSIN		CHOLINESTERASE	I	IGA		TRANSFERRIN
	ALFA-2 MACROGLOBULIN		CHOLESTEROL		IGG		TRIGLYCERIDES
	ALP DEA		CK MB		IGM	U	UREA
	ALT – GPT		CK NAC		IRON FERENE		URIC ACID
	AST - GOT		COMPLEMENT C3	K	KAPPA LIGHT CHAIN	Z	ZINC
	AMYLASE		COMPLEMENT C4	L	LAMBDA LIGHT CHAIN		
	AMMONIA		COPPER		LACTATE DEHYDROGENASE		
	ANTI-STREPTOLYSIN (O)		CREATININE		LDH-P		
	ANTITHROMBIN III		CRP		LDL CHOLESTEROL		
	APOLIPOPROTEIN A1		C1 ESTERASE INHIBITOR		LIPOPROTEIN (A)		
	APOLIPOPROTEIN B	D	D-DIMER	M	MAGNESIUM		
B	BETA 2 - MICROGLOBULIN	F	FERRITIN		MICROALBUMIN		
	BILE ACID		FIBRINOGEN	P	PHOSPHOROUS		
	BILIRUBIN DIRECT	G	GAMMA GT		POTASSIUM		
	BILIRUBIN TOTAL		GLUCOSE		PREALBUMIN		

CE-IVD marked reagents panel:

- Ready to use
- Stable formulations based on IFCC & DGKC recommendations for whole blood, serum, plasma and urine samples



# Hemo One

SMALL FOOTPRINT & FLEXIBILITY IS THE ANSWER  
RELIABLE, FAST & SIMPLE



FULLY AUTOMATED SOLUTION

Throughput	Up to 120 tests/hr mono-reagent Up to 60 tests/hr bi-reagent
Pretreatment	On board, automatic pretreatment of whole blood with HbA1c lysing reagent
Number of arms	1 liquid dispenser arm with capacitive liquid level detector and obstacle sensor
Number of reagents positions	24
Number of samples / calibrators / controls	24
Vials sizes	12-13 mm Ø with 75/85 mm height, and 3 ml sample cups
Diluter	1 high-precision micro-metering pump for dosing reagents and samples
Reagent volume	1 ÷ 400 µl
Sample volume	1 ÷ 300 µl
Dosing resolution	1 microliter
Typical reading volume	200/250 µl
Calibration	On-line Calibration
Calibration curves	Linear regression, piece-wise, cubic spline, Logit Log, polynomial
Automatic dilution	Automatic / on request
Incubation & Reading cuvettes	72 disposable on-board
Results	Calibration, QC and patient results archive with full traceability

# TECHNICAL SPECIFICATIONS

## SIMPLE TO OPERATE - LOW MAINTENANCE

Reaction temperature	+37°C ± 0.1°C
Wavelengths	8 from 340 to 700 nm
Light source	Long life halogen lamp (2000 hours life)
Photometric linearity	0 ÷ 3.0 OD
Water consumption	Low water consumption due to use of disposable cuvettes
Barcode	Yes (fully integrated for sample and reagents)
Interface to LIS host	Bi-directional connection, Ethernet
STAT function	Selectable on all sample positions
Computer	Internal, Embedded single board computer and 10.1-inches LCD with touchscreen
Operational system	MS Windows® 10
GUI	Easy to use and wizard-style user interface
Printer	USB connection
Working Environment	Temperature 18 ÷ 32°C Relative humidity 30 ÷ 70 %
Real-time electronics	Modular, SMD
Power management	Automatic start-up and shut-down
Power supply	100 ÷ 240 Vac, 50-60 Hz
Dimensions	45(W) x 46(D) x 50(H) cm
Weight	25 kg



HEMO ONE



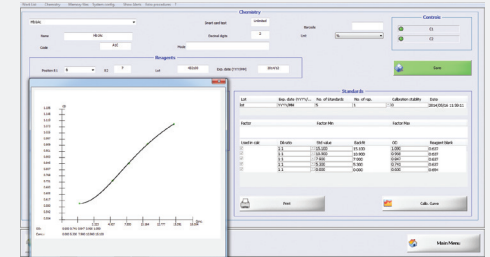
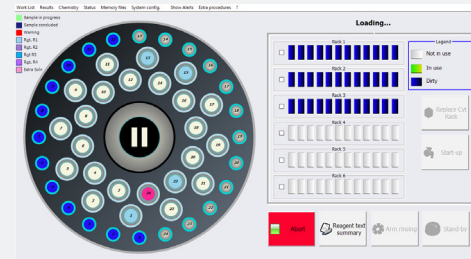
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Hemo One Instrument Unit

HEMO ONE SOFTWARE

MAKES YOUR LIFE EASIER IN THE LAB

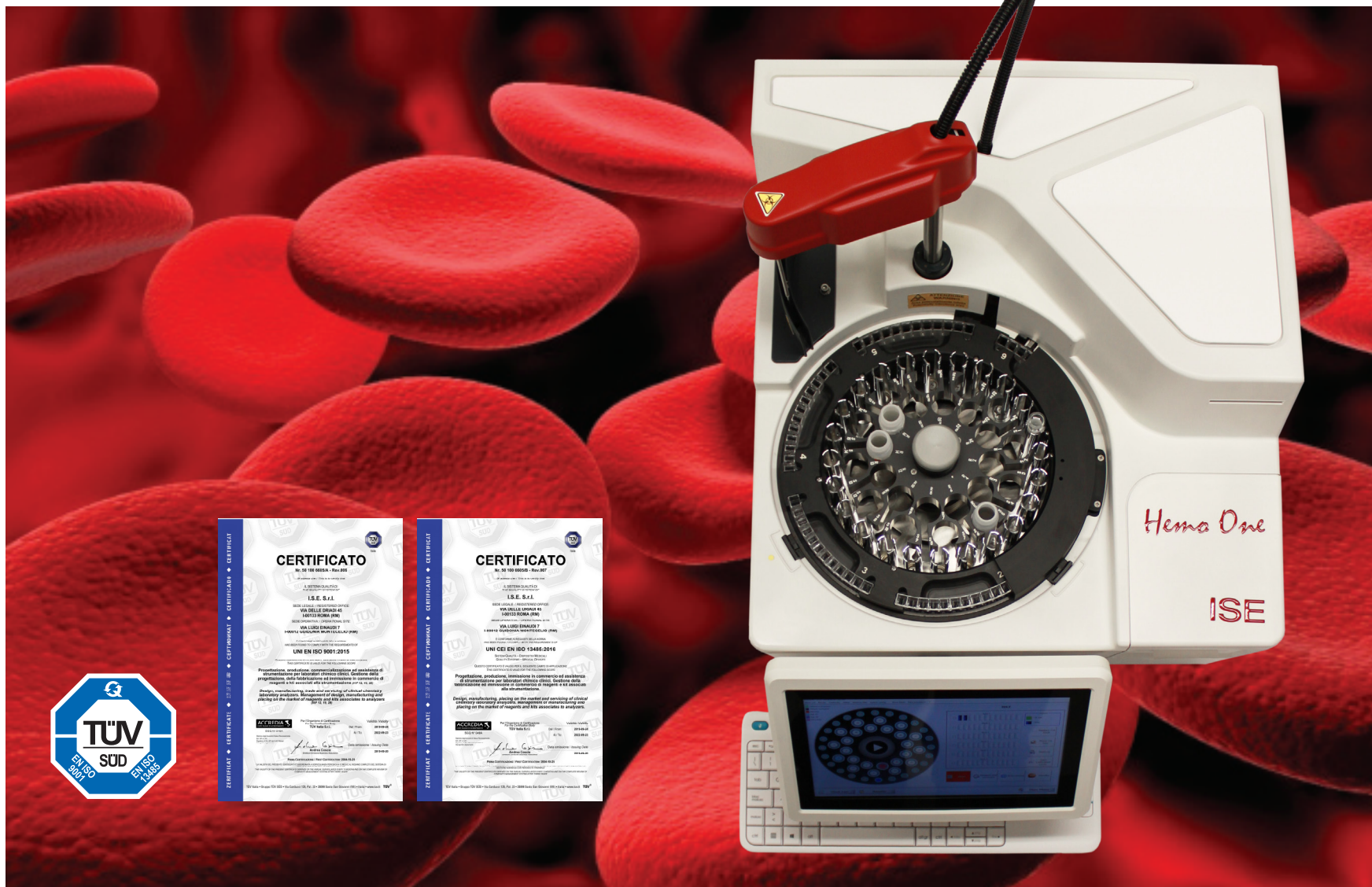
## ALL IN ONE OPERATOR CONSOLE



Hemo One software provides you with instant flexibility, fast programming sample routine in combination with different test profiles next to monitoring of daily test routines as well for fast lookup about patient history test data, it are all standard features in this straightforward and undemanding operator software.

- Graphic and friendly interface assists the operator and simplifies the daily routine work
- The Hemo One software is modular and expandable for future parameters
- Simple to operate, minimum training required
- Remote maintenance possible on demand
- Programmable instrument stand-by and wake-up functionality
- Display of quality control levels with Levy-Jennings graphics
- Fully bidirectional L.I.S. support with or without Host/Query
- Smart visualisation from all types of calibrations
- Self-diagnosis and alarm procedures are an integral part of the Hemo One software
- Custom made profiles for easy operation
- Powerful and expandable archive for patients test result, including standards and QC-results
- Active monitoring of reagents and main instrument liquid levels





check our website at [www.logotech-ise.com](http://www.logotech-ise.com)

for news and updates



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I.S.E. is a dynamic company specialised in development and manufacturing of Laboratory Analysers and associated Reagents.

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