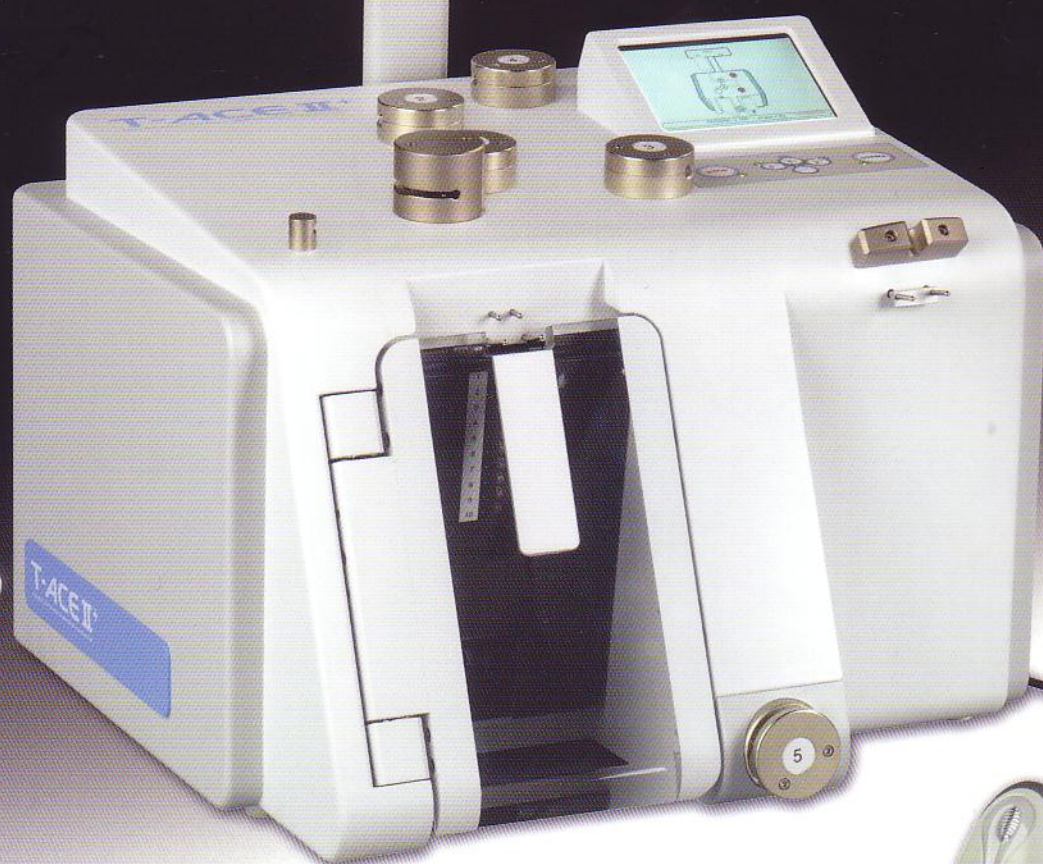




T-ACE II⁺

TERUMO AUTOMATIC COMPONENT EXTRACTOR



High-end processing

Standardized high quality blood processing

The T-ACE II⁺ is a highly flexible automatic blood component extractor for the standardized processing of centrifuged blood according to Good Manufacturing Process.

The device is designed to be used with all common bag systems of the top-and-bottom (TAB) and top-and-top (Conventional) type with or without inline filter(s). Processing protocols allow a wide range of separation procedures for the first and second separation (RBC, PRP, BC, PPP, PC).

Superb flexibility is achieved with the use of 11 programs, programmable by external PC, stored on the devices' motherboard. Each program is based on 4 protocols that can be optimally adapted to customers' need by different parameters and powerful subroutines.

Special subroutines are available for procedures like air removal of filtered whole blood, aliquoting (Conventional procedure), diluted BC etc.

T-ACE II⁺ is designed to be used either as a stand-alone or in a network for data communication. Different barcodes like the bag-ID and operator-ID can be read; all relevant data concerning the extraction process including the weight of components can be transferred to PC through a wired or wireless (option) Ethernet connection.

The ergonomic design and the telescopic bag support ensure a quick and comfortable placement of the bag system.

The correct positioning of tubes and bags, the opening of CLIKTIPS and the flow of fluids are, based on the selected protocol, checked automatically. Clear operator instructions are given on the new graphical colour display. The automated and microprocessor-monitored process is visualised schematically on the colour display; component flow, component weights, clamp positions, sealing functions and flows are actively indicated by colour changes. After finishing the complete process and in case of an error the T-ACE II⁺ will give an audible signal and the operation indicator is activated.

Terumo's unique top angled pneumatic press is designed for a smooth start of the extraction process keeping stable layers. Pure components are guaranteed with a sharp detection of layers done by an intelligent interaction of the flow regulator and 11 optical sensors.

- **Clear graphical colour display** allows easy follow-up of each step of the separation process
- **Automatic calibration** of scales, detectors and press position
- **Multiple detection system:** ensures correct tube and bag placement according to the selected protocol
- **Safe press system:** protecting operators from injuries during processing
- **Ergonomic design:** telescopic bag support and round shaped edges for comfortable handling
- **Operation indicator:** optical signal for easy long distance status check
- **Top angled press with press position detection:** for high stability of layers during extraction and standardized small rest volume
- **Electronic process control:** a microprocessor is monitoring and measuring with a set of integrated scales and sensors consequently the flow and the weight of all fluids

The T-ACE II⁺ is your first choice to achieve high quality and high recovery of blood components while increasing cost effectiveness and secure compliance with your GMP requirements.

Technical features

Operation indicator

for long distance status check

Automatic calibrated scales

height is adjustable through telescopic bag support

Telescopic bag support

Clamps

each with a HF-sealing head

Flow regulator unit

with high precision optical detector

Graphical colour display

Keyboard

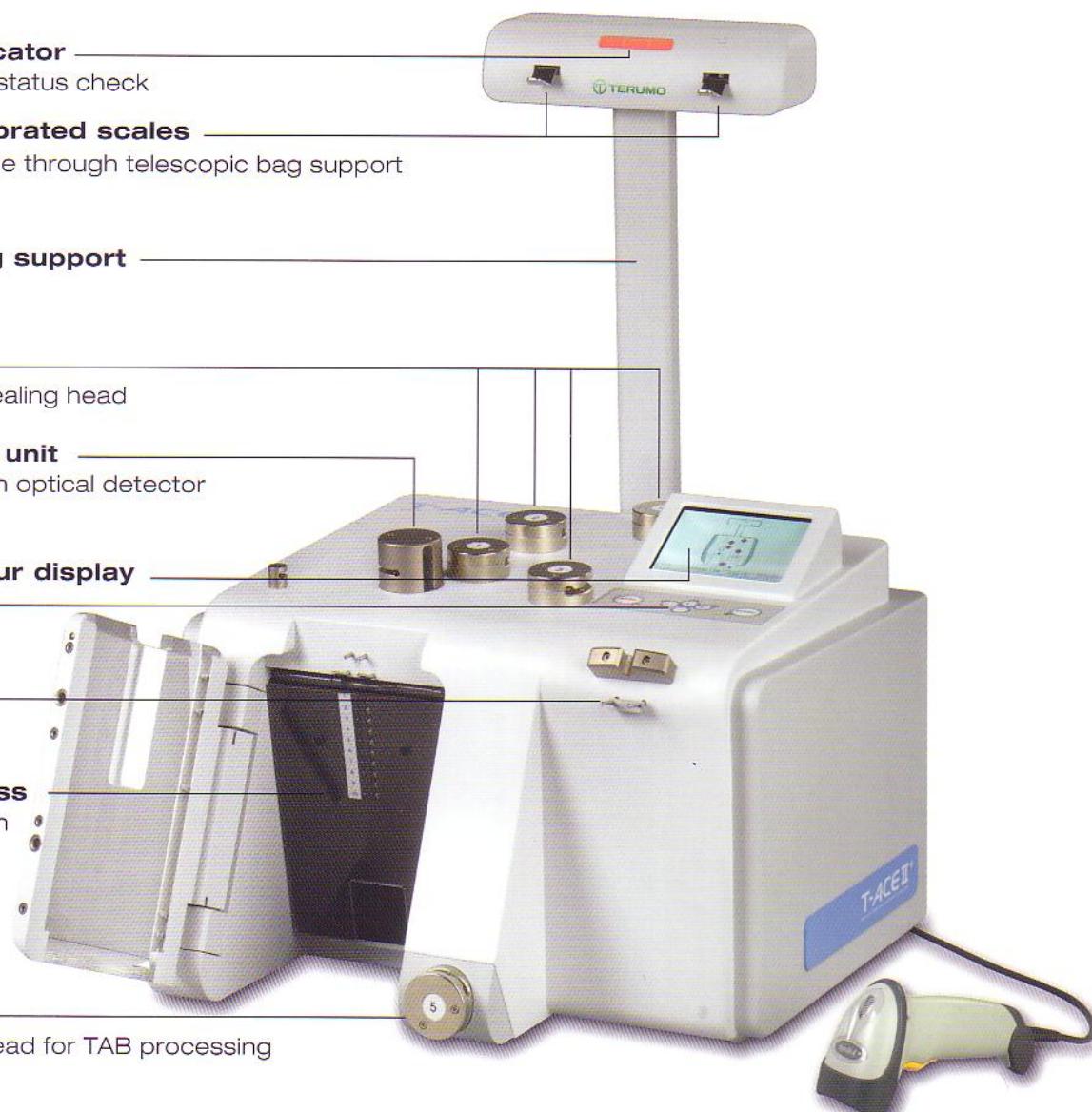
Scale

Pneumatic press

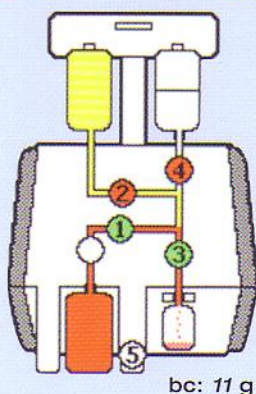
with press position detection

Clamp

with HF-sealing head for TAB processing



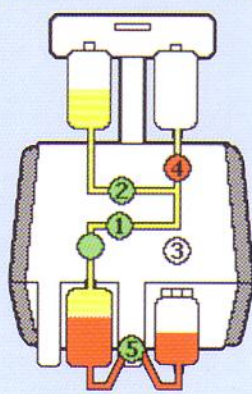
plasma: 260 g
sagm: 103 g



bc: 11 g

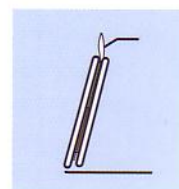
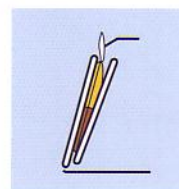
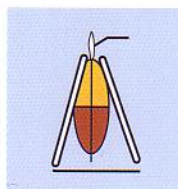
Conventional quadruple bag

plasma: 155 g
air/plasma: 3 g



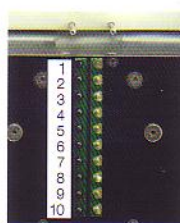
rbc: 75 g

Top-and-bottom bag



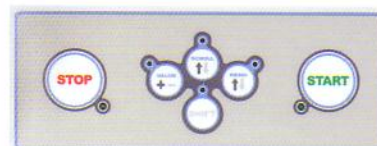
Top angled press

First phase: for high stability of layers
Second phase: for stable small rest volumes



Press detection system

With 10 sensitive sensors



Easy to use control buttons
with LED indicators

Automated data collection

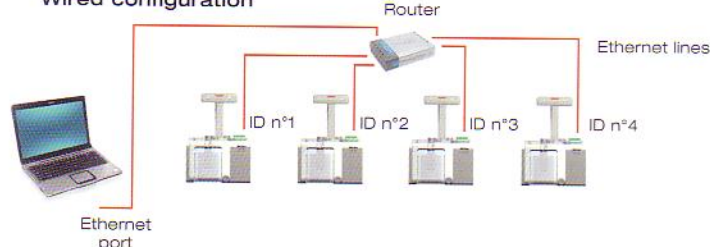
Complete process and product traceability

By using the **T-Soft** software a production file will be created including all relevant production data like bag-ID, operators-ID, net weight of components, date, time, parameters, errors, etc. T-Soft can run on network by wired or wireless (optional) Ethernet communication. Data can be exported to other applications including blood bank data management systems. T-ACE II+/T-Soft can work in a uni- and bidirectional (if donation data are available e.g. via Terumo's automatic blood collector T-RAC/T-SoftD) working mode.

Technical specifications

Product code	ME-TACE2
Voltage frequency	50/60 Hz
Power	AC 100V to 240V
Fuse	2 x 2 AT
Size	50.5 x 45.5 x 53 cm (H x W x D) In working conditions the height is depending on the used length of the telescopic bag support (max. 69.5 cm)
Weight	32 kg
Inlet pressure	4-6 bar
High frequency generator	Output: maximum 150 W/50 Ohm Frequency: 40.68 MHz Crystal
Accessories	Barcode reader + support
Communication	<ul style="list-style-type: none"> • RS-232 for barcode reader • RJ-45 or wireless Ethernet connection
Compliance with European Directives	89/336/EEC EN 61326-1 EMC Class A 2006/95/EC EN 61010-1 Safety

Wired configuration



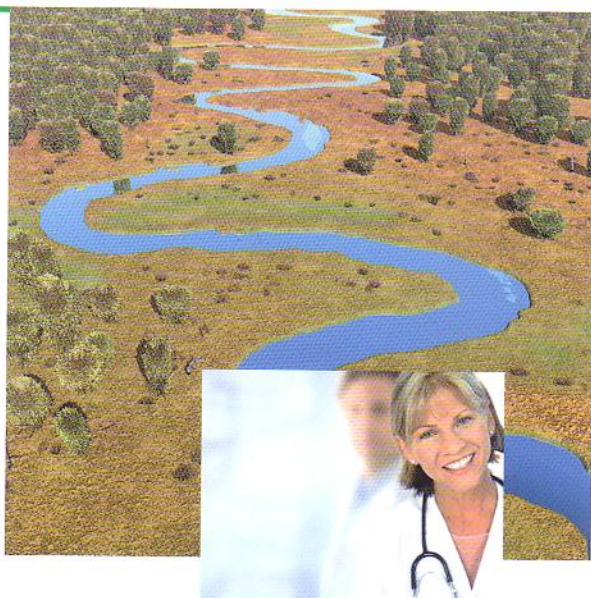
Wireless configuration



Optional accessories

Air compressor	220-240 V 100-120 V	ME+05TA08 ME+05TA72
WiFi module		ME+05TA2P02
Router + T-Soft (PC-software)		ME-05TA2P03
Wireless router + T-Soft (PC-software)		ME-05TA2P04
Filter holder	Hard housing filter Soft housing filter	ME-05TA2HF ME-05TA2SF

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as healthcare
professionals,
you are working
to ensure life and
to contribute
to the well-being
of your patients.
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to keep life flowing.



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