KEY FEATURES

A cutting-edge automatic blood components extractor. It means standardized blood component production, efficient workflow, safety for operators and minimum waste - all this, with a user-friendly interface.

1. Color graphic Touchscreen - a redesigned, icon-based user-experience with a powerful animated monitoring interface.

2. Bicolor Clamps - a crystal-clear guide to detect and solve any possible warning.

3. Adjustable flow control - with a dedicated clamp (no. 3).

4. Integrated Splash Guard & protected press area - designed for the safety of the operator, with a smooth and everlasting glass press, durable and easy to clean.

5. Hi-res optical sensors in main press - for a precise and programmable buffy coat level.

6. RFID tags - 4 optional embedded antennas to read and write data, with no operator action.

7. Maximum flexibility - 5 clamps, 4 scales (+1 optional external scale) and up to 2 presses.

Giotto MONZA is an automatic extractor designed to prepare blood components from centrifuged blood in single-use plastic bags manufactured upon the International Standard ISO 3826 and the European Directives no. 93/42 and 2007/47 MDD.

Prepare high quality blood components with any kind of commercially available bag, either conventional or Top & Bottom type: Giotto MONZA can automatically read all weights of components or, at the end of each extraction, weight up to 5 different bags as net or gross weight and then record all data (after or before tubing disconnection).

A user-friendly device
The bi-color indicators on clamps are a crystal-clear guide to immediately detect and solve any possible warning. A new, bright, colorful touchscreen amplifies a redesigned, icon-based user interface with powerful animated monitoring.

The 5 leakage-proof sealing clamps are equipped with double optoelectrical tube detectors and bi-color caps, an intuitive guide in bag loading. Moreover, Clamp 3 is a program controlled flow-regulator.

Everlasting glass press
Up to 2 smooth, completely flat, easy to clean parallel presses allow a customizable workflow and a precise control over volume, haematocrit, BC level.
Its new glass press plate ensures parallel faces, highly standardized behaviour and remaining volume. The level of the transition layer is precisely controlled by 10 optical detectors that allow the fine adjustment of the final haematocrit. The electronically-controlled press motion ensures precise settings, such as the maximum safe pressure inside the bag, thus preventing any turbulences.

Integrated RFID antennas
Up to 4 integrated RFID antennas next to the tray, presses and scales allow for a bidirectional data exchange with full data consistency check, with no operator trigger required - a smart and transparent solution for a lightning quick separation process.
Codes handling can be done either as barcode labels or RFID tags; the cross-matching of each code can be done by customized filters and/or fixed masks. Internal data base with automatic LOG saving for all operations and extraction procedures.

Giotto MONZA allows you to work with

- Any conventional or T&B bags
- 2 Electronic presses with integrated scale, fully controlled for speed, position and force
- Automatic air-removal procedures
- Fine buffy-coat controls while using T&B bags
- Flow regulator with high-precision optical sensor
- Up to 5 scales to read the net weights of all components
- 5 leakage-proof & programmable sealing clamps
- 10 optical detectors for the fine adjustment of the final haematocrit
- 16 pre-loaded standard workflows
- Up to 50 programs with the dedicated SDMX software
- RFID writer/reader and barcode
- Wi-Fi, Ethernet or RS485 communication mode
Technical Data Sheet

Technical Data

Dimensions: W x D x H: 330 mm x 430 mm x 430 mm (13 in x 17 in x 17 in)
H +300 mm (11.8 in) for the vertical rod

Weight: 38 kg (83.8 lbs) without accessories

Power supply: 100-240 VAC, 50-60 Hz

Power consumption: 300 VA max

Optical features

Optical sensors: 1 top sensors (OPT1) + 10 front sensors (OPT2)

Display: 4.3 inches color TFT-LCD 480x272 pixel with touchscreen

Separation features

Clamps: 5 with integrated sealer including 1 with integrated flow regulator for simultaneous separation of T&B systems

Weighing scales: 4 integrated (+ 1 optional external scale)

Accuracy on read value: ± 3 g if < 300 g (0.11 oz); ± 1% if >= 300 g (0.11 oz)

Alerts notifications: Audible and visual (bicolor)

Average separation time: 1:30 min in T&T system; 2:30 min in T&B system

Data Storage

Workflow memory: Up to 50 programs - 16 preloaded programs for the most common separation procedures

Internal memory: 1000 separations files

SDMX remote software system requirements

Processor: Intel Pentium 4 processors or higher

Ports: 1 USB port (plus RS485 adapter) or 1 Ethernet or WiFi port 802.11 b/n/g

Memory: 4 GB RAM – 256 MB of free space on the Hard-Disk

Resolution: 1024 x 768 minimum resolution, 16 million colors

Operating System: Windows Win7, Win 8, Win 10 (Micocrosoft .NET Framework 4.5 required)

Accessories

GIO.DB.40 External scale with tray
CCD-BARCD1 CCD Barcode reader
LSR-BARCD1 Laser barcode reader
SEL000001 Sealing handle with 2 m cable
ACC000001 Transparent Splash guard, flag type, to be installed on the main press door
CAL-MAS.500 500 g calibration mass
CAL-MASS00C 500 g calibrated weight with ST certificate

Connections

Ports: 2 RS485 ports; 1 Ethernet port; 1 USB port

Wireless: WiFi 802.11 b/n/g, optional integrated RFID

Regulation

CE marking: Complies with Class 1 Medical Device according to Directive 93/42 MDD and 2007/47 MDD
Giotto Monza
Is the next generation device

It means standardized blood component production, efficient workflow, safety for operators and minimum waste.

With a friendly interface.

For ordering and technical information, please download the full DataSheet from our website.

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