



Giotto **MONZA**

EFFICIENT - SAFE - USER-FRIENDLY



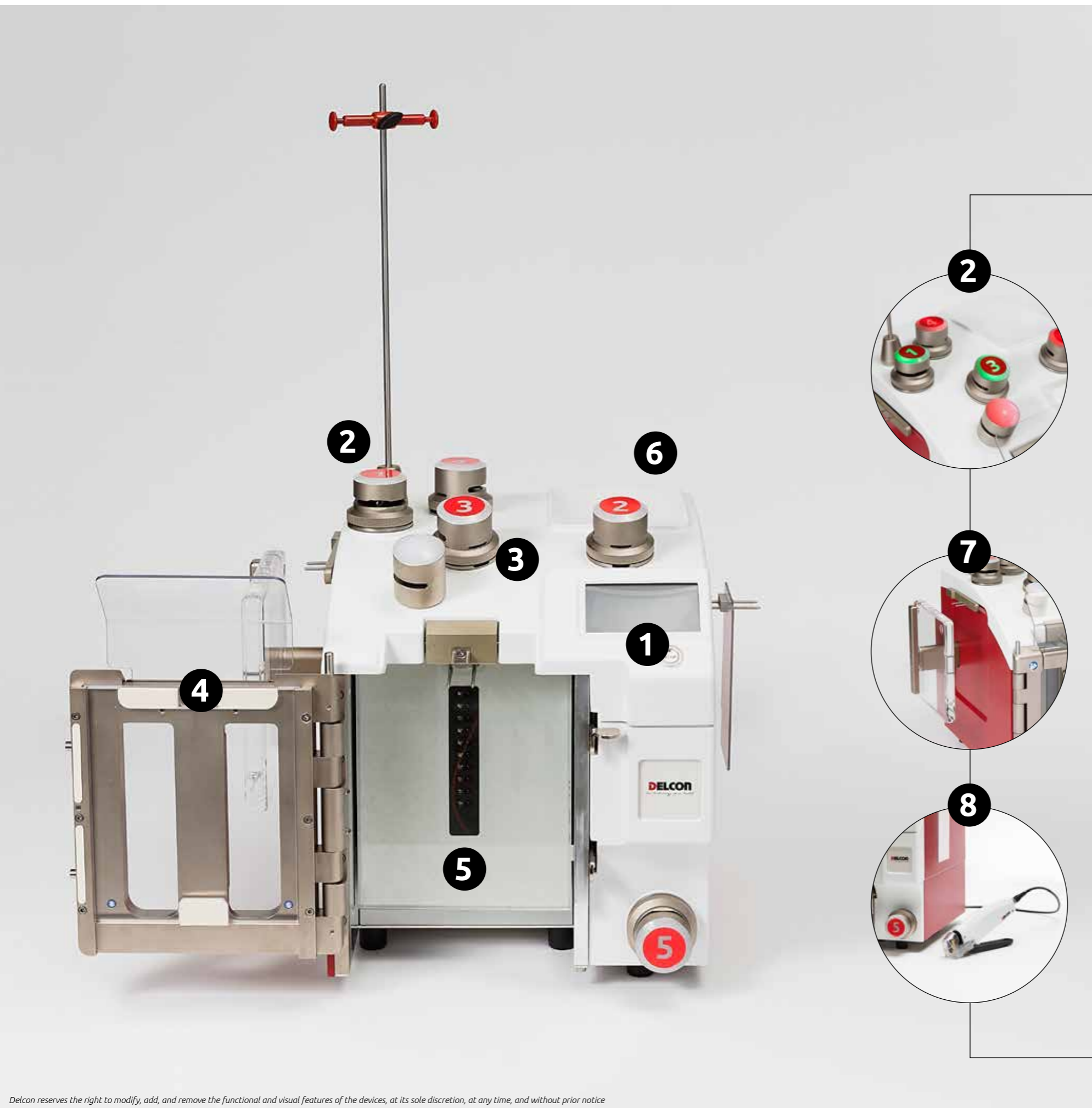
DELCON

Our technology Your health

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.
- 8. Bespoke solutions** - optional sealer, barcode reader and second lateral press.



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.

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 hematocrit

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



Smart solutions for an easy workflow

Spring-assisted door openings have a wide hanging area, for convenient bag placing and shake prevention; the optional second press allows air extraction, filter priming, fast AS transfer and other refined tasks.

Giotto MONZA has dedicated scales for the primary bag and for each satellite bag, with real time weighing, as well as see-through press door with interchangeable front plates, for special customized processes. The primary bag holder is suitable for the easy breaking of most frangible cannulas. Its optical sensor allows a precise colour change detection. All its sealing clamps and scales can be used stand-alone, supporting laboratory work.

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 ensure 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.

Networking Giotto MONZA is an ultimate solution in full process traceability

Powerful bidirectional software

SDMX software is your everyday companion to **customize** and edit preinstalled programs, to collect and manage all your data and to export on-screen, on-file and even on-paper reports.

It is the database of process data, performing program editing for configuration and fine-tuning and managing the work-list for **bidirectional mode**; it is also the network monitor with on-screen, on-file and on-paper customized reports, exchanging data with **LIMS** (Laboratory Information Management Software) and even managing local label printers, merging text and barcodes "in progress".

Giotto MONZA can deliver several information to SDMX for each extraction procedure:

Internal memory to store up to 1000 procedures data, with possible USB-stick transfer to PC.

Bidirectional Ethernet and RS485 serial network connections, for a comprehensive device configuration as well as for real time data transfer to the new SDMX dedicated software, ensuring backwards-compatible connection to old networks

CCD or laser barcode reader (optional) for data acquisition and management with format check

Wi-Fi (optional) for high-speed bidirectional wireless network, using market standard IT infrastructures

RFID (optional) with embedded antennas to read/write data in a completely transparent way

Serial number and ID of Giotto
Number/Description of the performed workflow
Net weight of extracted PL (plasma)
Net weight of packed RBC
Net weight of Buffy Coat
Net weight of Whole Blood
Net weight of transferred AS (i.e. SAGM)
Net weight of PL transferred into BC bag for dilution
Net weight of PL transferred back into the main bag
Net weight of PL extracted into other satellite bags
Net weight of Platelets Concentrate
Extraction date/time/duration
Error codes if any
Tens of different custom codes, either as barcode or RFID Tags



Ethernet Connection
through common ethernet switch



RS485 Connection through network adapter and USB port



Wi-Fi Connection through access point and ethernet port

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); $\pm 1\%$ 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 (Microsoft .NET Framework 4.5 required)

Accessories

GIO.DB.40	External scale with tray	CAB-485.5	RS485 network cable (5 m) to connect devices together
CCD-BARCD1	CCD Barcode reader	ADAP-485-USB	RS485 network adapter for USB computer connection (1/each serial network)
LSR-BARCD1	Laser barcode reader		
SEL000001	Sealing handle with 2 m cable	GIO.DB.WIFI_AP	Wi-Fi access point (1/each wireless network)
ACC000012	Transparent Splash guard, flag type, to be installed on the main press door	HUB-PC	Hub Ethernet 16 entries (1/each Ethernet network)
CAL-MAS.500	500 g calibration mass		
CAL-MAS500C	500 g calibrated weight with SIT certificate	CAB-LAN.5	LAN Ethernet cable (5 m)

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
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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.



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

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