



Giotto **MONZA**

EFFICIENT - SAFE - USER-FRIENDLY



DELCON

Our technology Your health

KEY FEATURES

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

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

2. Bicolor Clamps - an easy to use guide to detect and resolve 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 glass press that is 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 additional operator action needed.

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

8. Customizable Solutions - optional sealer, barcode reader, and second lateral press are available as add-ons.

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

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

A User-Friendly Device

The bicolor indicators on clamps are an easy to use guide to immediately detect and resolve any possible warning. A new, bright, and colorful touchscreen features a redesigned, icon-based user interface with powerful animated monitoring.

The 5 leakproof sealing clamps are equipped with double optoelectrical tube detectors and bicolor caps, resulting in an intuitive guide for bag loading. Moreover, Clamp 3 is a program controlled flow regulator.

Giotto MONZA Allows You to Work With

Any conventional or T&B bag

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 leakproof and 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 LinkEx 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 real-time weighing of both the primary and each satellite bags. It also features a see-through press door with interchangeable front plates for special **customized** processes. The primary bag holder is suitable to easily break most frangible cannulas. Its optical sensor allows a precise color change detection. All of its sealing clamps and scales can be used stand-alone, supporting laboratory work.



Durable Glass Press

Up to 2 smooth, completely flat, easy to clean, parallel presses allow a customizable workflow, and a precise control over volume, hematocrit, and BC level.

Giotto MONZA's new glass press plate ensures parallel faces, highly standardized behavior and remaining volume. The level of the transition layer is precisely controlled by 10 optical detectors that allow the fine adjustment of the final hematocrit. The electronically controlled press motion ensures precise settings, such as the maximum safe pressure inside the bag, thus preventing any turbulence.



Integrated RFID Antennas

Up to 4 integrated RFID antennas next to the tray, presses, and scales allow for bi-directional data exchange with full data consistency check, and no operator trigger required - a smart and transparent solution for a lightning quick separation process.

Code handling can be done either as barcode labels or RFID tags with the cross-matching of each code accomplished by customized filters and/or fixed masks. The database automatically save a LOG for all operations and extraction procedures.

Networking Giotto MONZA is the ultimate solution for full process traceability

Powerful Bi-Directional Software

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

It is the database of process data, performing program editing for configuration and fine-tuning, and managing the worklist for **bi-directional mode**. It is also the network monitor, with screen, file, and paper customized reports, exchanging data with **LIMS** (Laboratory Information Management Software), and even managing local label printers, merging text and barcodes “in progress.”

Internal memory to store the data of up to 1,000 extractions, with possible USB-stick transfer to PC.

Bi-directional Ethernet and RS485 serial network connections, for a comprehensive device configuration, as well as for real time data transfer to the new LinkEx dedicated software, ensuring backward-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 bi-directional wireless network, using market standard IT infrastructures.

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

Giotto MONZA can deliver a multitude of information to LinkEx for each extraction procedure:

Serial number and ID of Giotto
Number and 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, and duration
Error codes

A variety of 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

Ordering information

Sales codes

Gio.MZ.LAN	Single press. RS485+Ethernet serial connection
GIO.MZ.WIFI	Single press. RS485+Ethernet+Wi-Fi serial connection
GIO.MZ.LAN.P2	Double press. RS485+Ethernet serial connection
GIO.MZ.WIFI.P2	Double press. RS485+Ethernet+Wi-Fi serial connection
GIO.MZ.WFRF.P2	Double press. RS485+Ethernet+Wi-Fi serial connection+RFID antennas

LinkEx sales codes

LEX_CORE	Data Collection Software for Windows® (free license for configuration and monitoring)
LEX_DM	LinkEx Software extension license for data management (requires LEX_CORE)
LEX_BC	LinkEx Software extension license for bi-directional communication (requires LEX_DM)
LEX_FULL	LinkEx full features bundle

LinkEx 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)

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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