



TSCD®-II Sterile Tubing Welder + TOMEs
(Terumo Operational Medical Equipment Software)



Automated sterile tubing welder plus powerful software to strengthen processes and improve efficiencies



TSCD-II: Increase the productivity and flexibility of your lab operations

The TSCD-II is a closed-system welder suitable for a wide range of lab applications. Designed for quality and flexibility, TSCD-II creates reliable, strong, consistent welds using PVC tubing in various combinations of wet and dry. TSCD-II can be used across your blood center to perform tasks including:

- Component pooling
- Leukoreduction
- Pathogen reduction
- Component aliquoting
- Quality control sampling
- Cell washing and freezing

TOMes: Enable bidirectional connectivity

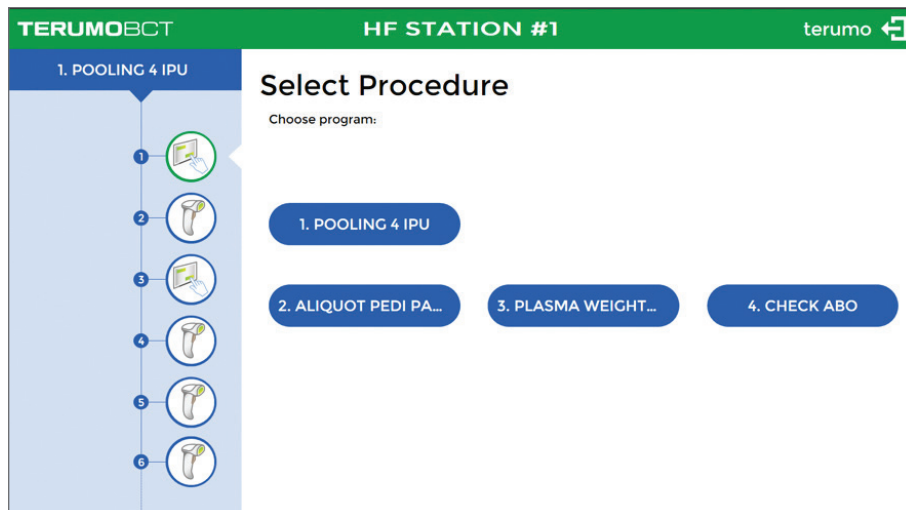
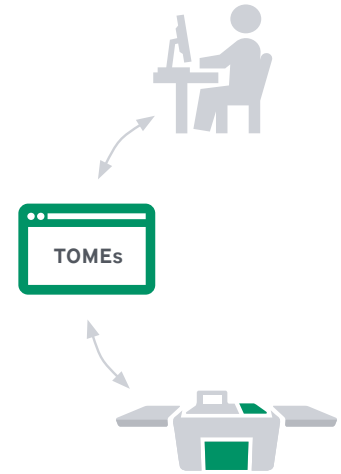
TOMes (Terumo Operational Medical Equipment Software) is powerful software designed to help advance blood center and component lab operations. It enables bidirectional connectivity between TOMes-compatible devices and your blood bank information system (BBIS), laboratory information management system (LIMS), or business intelligence system to solve some of your toughest operational challenges. TOMes paired with TSCD-II can help you:

- Enforce standard operating procedures (SOPs) and support Good Manufacturing Practices (GMP)
- Increase operator efficiency, reduce mistakes, and simplify training
- Enhance traceability with electronic data capture
- Transfer data automatically between your connected devices and your information management system (IMS)
- Improve data access and reporting

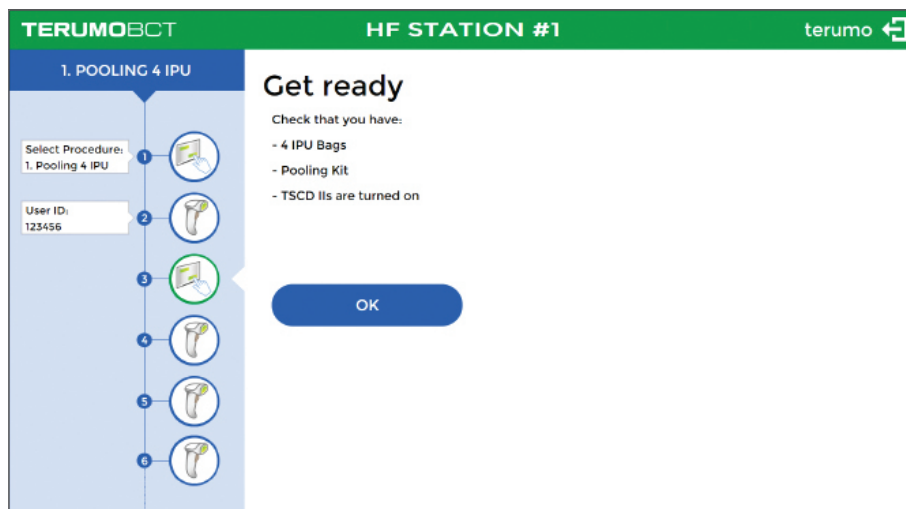
TSCD-II + TOMEs: The Power of the Total System

Strengthen processes, improve efficiencies, and support traceability when you connect TOMEs to TSCD-II and other TOMEs-compatible devices used throughout your blood center. Using TOMEs, you can configure device settings, customize and enforce processes, and automate data capture — all from a single system. Here's how:

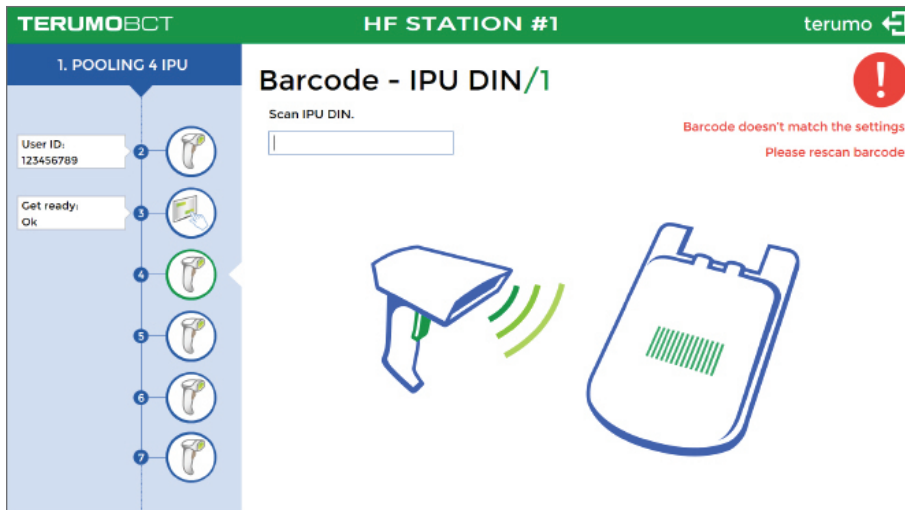
- In the TOMEs interface, you configure and apply settings to connected devices or groups of devices with simple drag-and-drop functionality.
- Using TOMEs, you customize and apply your SOPs, adding informational messages and instructional prompts as needed. Processes can be made enforceable by not allowing the operator to move forward in the process until the current step is completed.
- TOMEs uses a connected PC or tablet to display the process to operators, providing step-by-step guidance, including manual steps such as prompts to inspect welds or scan barcodes.
- When barcode data is scanned, TOMEs confirms that data with your information management system or other TOMEs-compatible devices and alerts you if there is a discrepancy.
- Session data from every connected device is recorded by TOMEs, including scanned barcode data and data entered manually. Data is then securely transferred to your information management system for review and reporting.



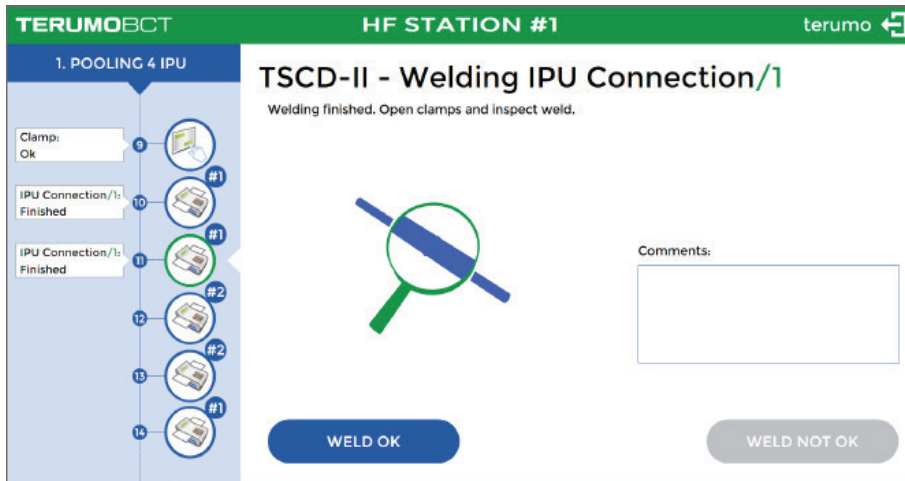
Customize procedures based on your specific SOPs



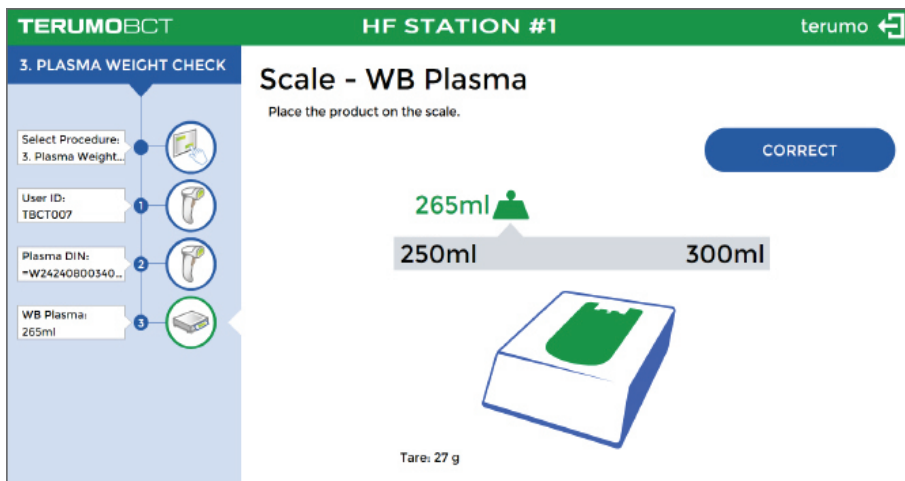
Create informational messages and instructional prompts to guide operators through the process



Use barcodes to capture and verify data with your IMS



Add notes as needed for a complete record



Add third-party scales to enhance process automation

Integrate TOMEs across your blood center

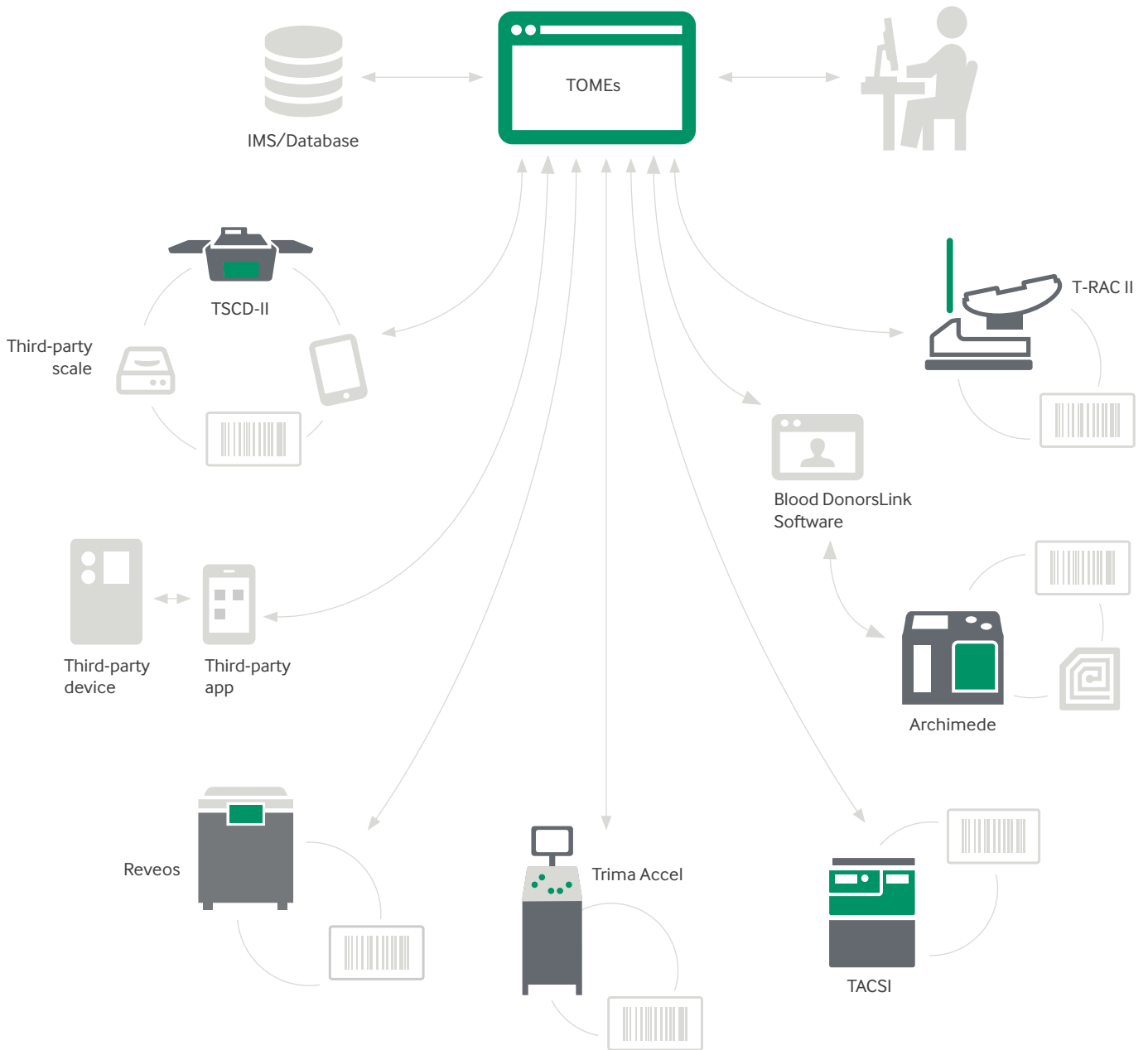
TOMEs isn't just for TSCD-II. TOMEs allows you to monitor and manage all of your TOMEs-compatible devices from a single interface, further enabling you to improve efficiency, cost-effectiveness, and regulatory compliance. Today, TOMEs also supports:

Whole Blood Collections: **TOMEs + T-RAC II (Terumo Recording & Automatic Blood Collector)**

Apheresis Collections: **TOMEs + Trima Accel® Automated Blood Collection System**

Whole Blood Processing: **TOMEs + TACSI® PL (Terumo Automated Centrifuge & Separator Integration for Platelets), T-ACE II+ and Archimede Automatic Blood Component Extractor**

Electronic Component Weighing: **TOMEs + Third-Party Scales**



TSCD-II Sterile Tubing Welder System Model Numbers

Model Number	ME-SC203A†	ME-SC203AH‡	3ME-SC203A‡	ME*SC203A†	ME*SC203AC†
Availability	Japan	Europe, Middle East and Africa	North America	Asia Pacific, Latin America	China

TSCD-II Sterile Tubing Welder System Specifications

Tubing material	Polyvinyl chloride (PVC)	
Tubing size	Blood bag type tubing	
	Outer diameter: 3.9 mm to 4.5 mm (0.15 in to 0.18 in)	Inner diameter: 2.9 mm to 3.1 mm (0.11 in to 0.12 in)
Wafer	TSCD wafer, product code SC*W017	
Power supply	100 V AC to 240 V AC ± 10%, 3A, 50 Hz to 60 Hz	
External dimensions width × height × depth	224 mm × 177 mm × 342 mm (8.81 in x 6.97 in x 13.46 in)	
Weight	Approximately 6.5 kg (14.33 lb)	

Operating Conditions: The welder should be allowed to equilibrate at these conditions before use.

Ambient temperature	10 °C to 40 °C (50 °F to 140 °F)
Humidity	10% to 80%, RH non-condensing
Altitude	Up to 2,000 meters maximum (6,562 feet)

Storage Conditions

Ambient temperature	-10 °C to 50 °C (50 °F to 140 °F)
Humidity	10% to 95%, RH non-condensing

TSCD-II, TOMEs, T-ACE+, TACSI PL, T-RAC II, Trima Accel, and Archimede are available in select markets.

†Terumo Corporation (Japan) is the legal manufacturer.

‡Terumo BCT, Inc. (USA) is the legal manufacturer.

TSCD is a registered trademark of Terumo Corporation, Japan.

Tubing shall meet the specifications for the welder.



Capture the benefits of bidirectional connectivity with TSCD-II + TOMEs. Contact a Terumo Blood and Cell Technologies representative today.

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Terumo Blood and Cell Technologies is a medical technology company. Our products, software, and services enable customers to collect and prepare blood and cells to help treat challenging diseases and conditions. Our employees around the world believe in the potential of blood and cells to do even more for patients than they do today. [TerumoBCT.com](https://www.terumobct.com)

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