

# TERUMOBCT

Unlocking the Potential of Blood



**TSCD® II**  
NEXT-GENERATION TERUMO STERILE TUBING WELDER



## POTENTIAL

As a global leader in blood component, therapeutic apheresis and cellular technologies, we believe in the potential of blood to do even more for the world than it does today. This belief inspires our innovation and strengthens our collaboration with customers.

By helping you enhance patient care, we unlock the potential of blood to:

- Make even safer, higher-quality transfusions available to more people
- Advance blood therapies to help customers bring more treatment options to patients
- Develop cellular therapies that may fundamentally improve health care

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## CONSISTENT, FAST AND EFFICIENT NETWORKED STERILE DOCKING

TSCD II STERILE TUBING WELDER HELPS YOU IMPROVE OPERATIONAL  
EFFICIENCY AND BRING MORE VALUE TO THE HOSPITALS YOU SERVE



## HELPING YOU **TAKE COMMAND OF DEMAND**

From donor management to collections and processing, the goal of blood centers is to meet customers' demand for blood components as efficiently as possible.

Blood centers work hard to meet demand. However, because demand can be volatile, they often do so at a high cost. Changes in demand can create a need for costly imports or leave an excess supply with no available export options.

Terumo BCT solutions and services work together to help enable blood centers to respond quickly and efficiently to changes in demand. This helps reduce costs and waste, while improving service to your customers and the patients they ultimately serve.



## INCREASE FLEXIBILITY OF YOUR COLLECTIONS AND LAB

### TSCD II STERILE TUBING WELDER

The TSCD II device is a user-friendly tubing welder ideal for sterile connecting transfer bags, as well as a wide range of other lab applications. Designed for quality, reliability and flexibility, the TSCD II device creates closed system PVC connections using any combination of wet and dry tubing.

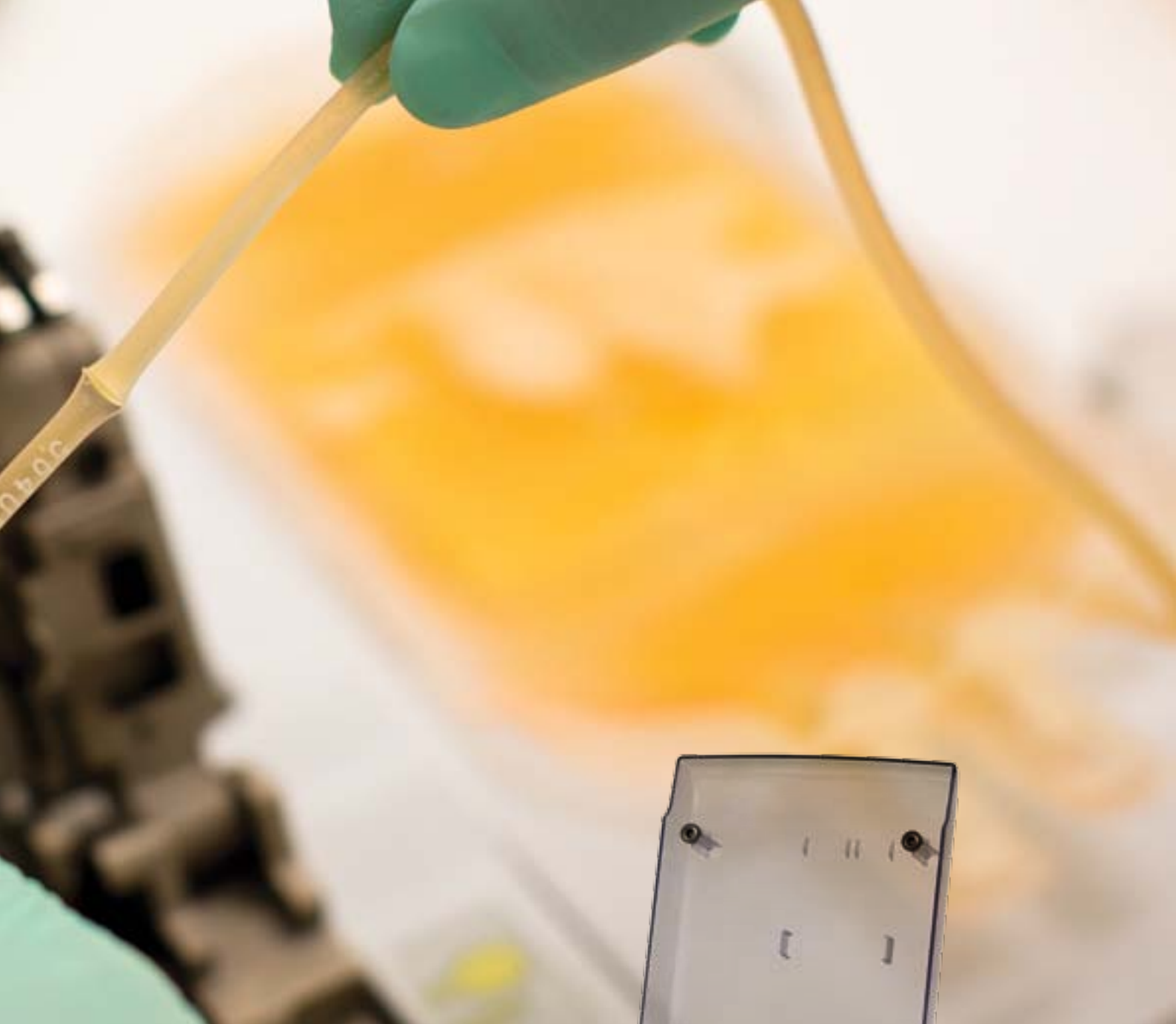
Compact, lightweight and equipped with a pop-up handle, the TSCD II device is portable and can be easily moved.

Terumo BCT's sterile tubing welders have been used extensively in labs and blood centers around the world for more than two decades. Today, our devices are indispensable for creating quick and safe PVC tubing connections while maintaining a functionally closed system.

Applications include, but are not limited to:

- Component pooling
- Leukoreduction
- Collection set modification
- Component aliquoting
- Apheresis set modification
- Quality control sampling
- Cell washing and freezing





CONNECT PVC TUBING IN ANY  
COMBINATION OF WET AND DRY TUBING







The TSCD II device builds on the success of the TSCD Sterile Tubing Welder, adding several key features.

#### NEW FEATURES INCLUDE:

- Wet-to-wet welds: the TSCD II device is versatile
- Automatic wafer replacement: reduces risk of jams
- Redesigned clamp: heavy-duty, interconnected clamp simplifies operation
- LCD display: communicates the status of the welding process, provides error alerts, reports when wafer cassette is empty and disposal box is full
- Detachable shelves: for bag support
- Larger disposal box: for used wafers

#### CREATES STRONG, CONSISTENT WELDS

Quickly connects PVC tubing in any combination of wet and dry—including wet-to-wet—with strong, smooth welds. All Terumo BCT sterile tubing welders are subject to minimum tensile strength requirements.

#### GUIDES OPERATION

An easy-to-read backlit LCD screen clearly displays device status and guides operators through the welding process.

#### MAINTAINS CLOSED SYSTEM

The TSCD II uses the same, single-feed wafers as the TSCD. Terumo Corporation's patented wafers heat to 572 °F (300 °C). This high temperature maintains sterility during cutting and welding but does not allow particulates or chemical residue to form in the tubes.

#### AUTOMATES WAFER FEED

Eliminates the need to manually replace wafers and reduces the risk of wafer jams. The information panel alerts operators when the wafer cassette is empty and the wafer disposal box is full.

#### MONITORS WAFER DISPOSAL BOX

Wafers are automatically discarded after a single use into a built-in disposal box to avoid cross contamination. An integrated sensor reduces the risk of jams by alerting operators when the disposal box is full and disabling operation until the box is emptied. The wafer disposal box holds 300 used wafers.

#### SIMPLIFIES OPERATION

Durable materials stand up to intensive use while the interconnected clamp design enables fast, one-handed operation.

#### ENHANCES PORTABILITY

This lightweight device includes a built-in handle.

## SYSTEM SPECIFICATIONS

### TSCD II TERUMO STERILE TUBING WELDER

Model	3ME-SC203A	
Tubing material	Polyvinyl Chloride (PVC)	
Tubing size	Blood Bag Type Tubing	
	Outer Diameter: 03.86 mm–04.60 mm 0.152 in–0.181 in	Wall Thickness: 0.508 mm–0.800 mm 0.019 in–0.031 in
Wafer	TSCD Wafer, Product Code 1SC*W017v	
Power supply	AC 100 V–AC 240 V, 3A 50–60 Hz	
External dimensions width x height x depth	224 mm x 177 mm x 342 mm 9 in x 7 in x 13 in	
Weight	Approximately 6.5 kg (14.33 lbs)	
Weld cycle	Approximately 1 weld every 14 seconds	
Accessories	AC power cable, bag supports, fuses (250V/4.0A), cassette of TSCD wafers and operating instructions	

#### OPERATING CONDITIONS

The instrument should be allowed to equilibrate at these conditions before use

Ambient temperature	10 °C to 40 °C (50 °F to 104 °F)
Humidity	10% to 80%, RH non-condensing
Altitude	Up to 3,658 meters maximum (12,000 ft)

#### STORAGE CONDITIONS

Ambient temperature	–10 °C to 50 °C (14 °F to 122 °F)
Humidity	10% to 95%, RH non-condensing

TSCD II sterile tubing welder is manufactured and distributed by Terumo BCT, Lakewood, CO, USA.  
TSCD is a registered trademark of Terumo Corporation, Japan.



TAKE COMMAND OF DEMAND WITH THE TSCD II.  
CONTACT YOUR TERUMO BCT REPRESENTATIVE TODAY.

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