

**TERUMOBCT**

Unlocking the Potential of Blood

## **TSCD® II** STERILE TUBING WELDER

THE ABSOLUTE REFERENCE IN STERILE CONNECTION



# SMOOTH, FAST AND EFFICIENT

TSCD II STERILE TUBING WELDER

## Information Panel

Backlight LCD provides status and operational prompts.

ADVANCE WAFER  
PRESS RESET

Total Welds  
00000001

Next Maintenance  
Remain 00065425

WELD COMPLETE  
OPEN CLAMP

CASSETTE EMPTY  
INSTALL CASSETTE



With two decades of experience and extensive use, Terumo BCT's sterile connecting devices have become indispensable for accomplishing quick and safe tubing connections that maintain a functionally closed system. This level of quality and reliability is assured, regardless of wet or dry tubing connections. The new TSCD provides a new level of speed and assurance.

## TSCD II: Strong, Consistent Welds

All Terumo BCT's systems are subject to a minimum tensile strength requirement.

## TSCD Wafers

The TSCD II uses the same wafers as the TSCD. One box includes two cassettes; each cassette contains 70 single-use wafers. Cross-contact or contamination is avoided because each wafer is discarded after a single use. (Product code: SC\*W017)



## Automatic Wafer Feed

Wafers are automatically replaced after each use. When the wafer cassette empties or the wafer disposal box is full, the TSCD II displays a warning message.

## Clamps

The clamping system is designed to include wet to wet applications. A robust clamp mechanism makes TSCD II the first choice for intensive use. The interconnected left and right clamping mechanism facilitates connections and helps to ensure that the TSCD II is the primary choice for efficiency and ease of use.



## Wafer Disposal Box

For safety and convenience, the used wafers eject into a built-in disposal box. The disposal box holds as many as 300 used wafers, and an integrated sensor monitors its volume at all times. These features help prevent wafer disposal box overflow.



## Portable

TSCD II is designed for mobility. Its lightweight, compact size and pop-up handle make it easy to take with you.



*Data processing system available.*

## APPLICATIONS INCLUDE:

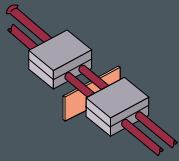
- Component Pooling
- \* Leukoreduction
- \* Collection Set Modification
- \* Component Aliquoting
- \* Apheresis Set Modification
- \* Quality Control Sampling
- \* Stem Cell Processing
- \* Cell Washing and Freezing
- \* Other Applications Involving Closed System PVC Tubing Connections



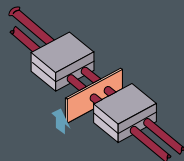
## TSCD II Terumo BCT Sterile Tubing Welder

### Tube Cutting/Welding Process 300°C (572°F) Wafer Temperature

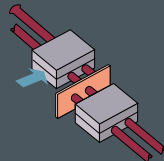
Terumo BCT's patented wafers heat up to 300°C (572°F) – a temperature high enough to maintain sterility during cutting and welding without allowing particulates or chemical residues to form in the tubes.



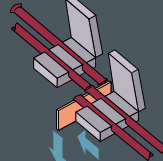
The TSCD wafer is heated to approximately 300°C (572°F)



The wafer moves up and melts through both pieces of tubing



The left clamp moves horizontally until the tubings are aligned



When the wafer is retracted, the right clamp pushes the tubing together

### Terumo BCT Service Center

To ensure system reliability, Terumo BCT's Service Center conducts a series of strict, in-house operational tests before shipment.

#### Specifications

<b>Name of Product</b>	Terumo BCT Sterile Tubing Welder TSCD®-II
<b>Product Code</b>	ME-SC203AH (Europe)
<b>Tubing Material</b>	Polyvinyl chloride (PVC)
<b>Tubing Sizes</b>	O.D.: 3.9 – 4.5 mm / I.D.: 2.9 – 3.1 mm
<b>Wafer</b>	TSCD® wafer / Product code: SC*W017
<b>Operating Conditions</b>	Ambient temperature: 10°C to 40°C (50°F to 104°F) Relative humidity: 10% to 80%, non-condensing Maximum altitude: 2,000 m (6,562 ft)
<b>Storage Conditions</b>	Ambient temperature: -10°C to 50°C (14°F to 122°F) Relative humidity: 10% to 95%, non-condensing
<b>Power Supply</b>	AC 100V to 240V±10%, 50/60 Hz
<b>External Dimensions</b>	224 (W) x 177 (H) x 342 (D) mm
<b>Weight</b>	Approx. 6.5 kg (14.33 lbs)
<b>Accessories with TSCD II</b>	AC power cable, bag supports, fuses (250V/4.0A), cassette of TSCD® wafers, replacement air filter and operating instructions
<b>Communication Ports</b>	RS-232 for TSCD® IS (TSCD® Information System) and barcode reader, 2 RS-485 for TSCD® IS (for E.U. only)

\* Tubing shall meet the specifications for the welder. Tubing outside of the specifications and combinations of different tubing shall be subject to validations. Please contact your Terumo BCT representative for details.

Manufactured by: Terumo Europe N.V., 3001 Leuven, Belgium  
Distributed by: Terumo BCT

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#### Terumo BCT Europe N.V.

Europe, Middle East and Africa  
Ikaroslaan 41  
1930 Zaventem  
Belgium

Phone: +32.2.715.05.90  
Fax: +32.2.721.07.70



Tensile Strength Test



Pressure Test