The next generation . . .
With two decades of experience and extensive use, Terumo’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.

**Applications include:**
- Component pooling
- Leukoreduction
- Collection set modification
- Component aliquoting
- Apheresis set modification
- Quality control sampling
- Stem cell processing
- Cell washing, freezing

Plus other applications involving closed system PVC tubing connections.

**Information panel**
Backlight LCD provides status and operational prompts.

- ADVANCE WAFER
  PRESS RESET
- Total Welds
  00000001
- Next Maintenance
  Remain 00065425
- WELD COMPLETE
  OPEN CLAMP
- ERROR
- CASSETTE EMPTY
  INSTALL CASSETTE
The TSCD-II: Provides strong, consistent welds.
All Terumo’s devices are subject to a minimum tensile strength requirement.

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

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 number-one choice for intensive use. The interconnected left and right clamping mechanism facilitates connections and helps to ensure that the TSCD-II is the number-one choice for efficiency and ease of use.

300°C (572°F) wafer temperature
Terumo’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 to be connected are aligned.

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

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
Terumo Service Center

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

### Specifications

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

* 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 representative for details.

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