

# Brewer Welding Capabilities

## RF & Ultrasonic

The construction and seam integrity for pad sets and therapeutic support surfaces used in a clinical setting are critical. Traditional needle and thread sewing or stapling can leave unhygienic gaps that are unacceptable from an infection control perspective. See how Brewer's OEM welding capabilities can provide you and your customers The Power To Advance!



### Welding Techniques:

- **Radio Frequency (RF)**

RF Welding is the process of bonding together materials through the use of an electromagnetic field. The weld is completed by applying pressure, ensuring a successful seal.

- **Ultrasonic**

Ultrasonic Welding uses a tool to apply pressure between two sheets of material which are rubbed together to create friction. The friction creates heat sufficient enough to bond the materials together at that point.

### Welding Advantages:

- **Green**

Welding processes create less waste because there are no thread, needles, bolts, staples, nails or adhesives that bind the materials together.

- **Infection Control**

Since there are no stitch holes in the material, blood-borne pathogens, infectious material, chemicals, liquids, debris, or other particles cannot seep into the pad. They will pool at the surface enabling easy clean-up.

- **Fluid Resistant**

When impermeability is a requirement, the shape of the seam and overall component is critical. Brewer can design for maximum resistance using welding techniques.

- **Seal Strength**

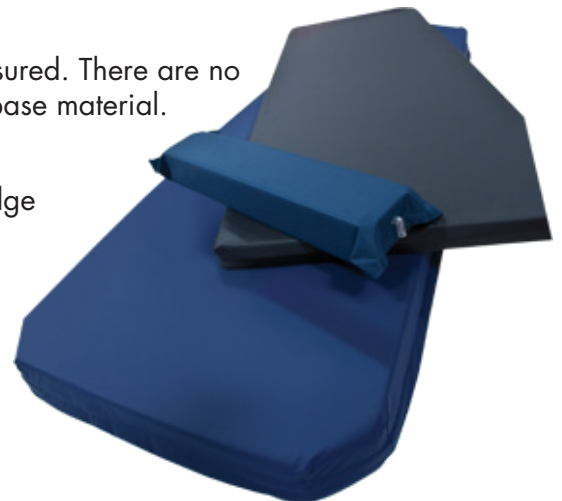
Because the materials are bonded together, the seal strength is more assured. There are no threads to deteriorate over time. The seam is typically stronger than the base material.

- **"Seamless" Appearance**

In RF welding, smooth, even seams will add a clean look. The sealed edge does not have that additional beading, which adds unnecessary bulk.

- **Easy-to-Clean Surface**

The seams will not hinder cleaning wipes or cause additional detail work. Any liquids or spills will pool for easy clean-up.



# Brewer

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