

DUAL-CURING MEDICAL DEVICE ADHESIVE IMPROVES TUBE SET ASSEMBLY

SITUATION

A global medical device manufacturer was experiencing high scrap and labor costs in the assembly of their medical tubesets. Solvent welding was used to join the Ethyl Vinyl Acetate (EVA) tubing to several connector materials including PVC and ABS. Variability in the tubing dimension was resulting in a range of gaps that could not always be filled and securely bonded with the solvent process. Additional variation was caused by the highly manual process.

LOCTITE® SOLUTION

LOCTITE® 4311, a dual light and moisture curing medical device Instant adhesive, was the solution:

- Simple, one-part, very rapid LED curing
- Ability to fill the varying gaps caused by the tubing variation
- Hermetic seal within seconds
- Fluorescence for on-part inspection
- Testing to ISO 10993 biocompatibility protocols for use in disposable and reusable medical devices
- Easy application with enhanced accuracy and speed using LOCTITE® semi automated equipment

BENEFITS

- Reduced scrap and rework by more than 30%
- Increased productivity with rapid cure and one-step process
- Improved precision and accuracy and reduced labor costs using LOCTITE® semi-automated LED curing and dispensing equipment
- Enhanced end-use device safety with medical device grade adhesive

PRODUCT	SIZE	IDH
LOCTITE® 4311	1 OZ BOTTLE	1401791
	1 LB BOTTLE	1401789

