

**Problem**

Creating a crimping process that prevents drug cross-contamination and eliminates costly, labor-intensive sheathing during the stent crimping process.

Solution

Machine Solutions Inc. (MSI) developed the Film Crimp Head™ to simplify the DES crimping process by reducing product handling and preventing cross-contamination between stents and drug lots.

Drug coated stents require special handling during the crimping process. Some companies sheath the coated stent prior to crimping, once or twice per stent in order to achieve the final crimp diameter. Other companies employ a routine cleaning process for the crimp head surfaces to prevent cross-contamination between drug lots. Both approaches require repeated operator handling and costly process controls.

MSI's Film Crimp Head™ eliminates both sheathing and crimp head cleaning between drug lots. The protective film layer serves as a constant barrier between the drug and crimp head. After each cycle, the system advances new film into the crimp head from the attached spools. Preset final crimp diameter is automatically achieved in one cycle.

The Film Crimp Head™ can be used with the Model SC775S. For more information or to have samples evaluated, please contact MSI.

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