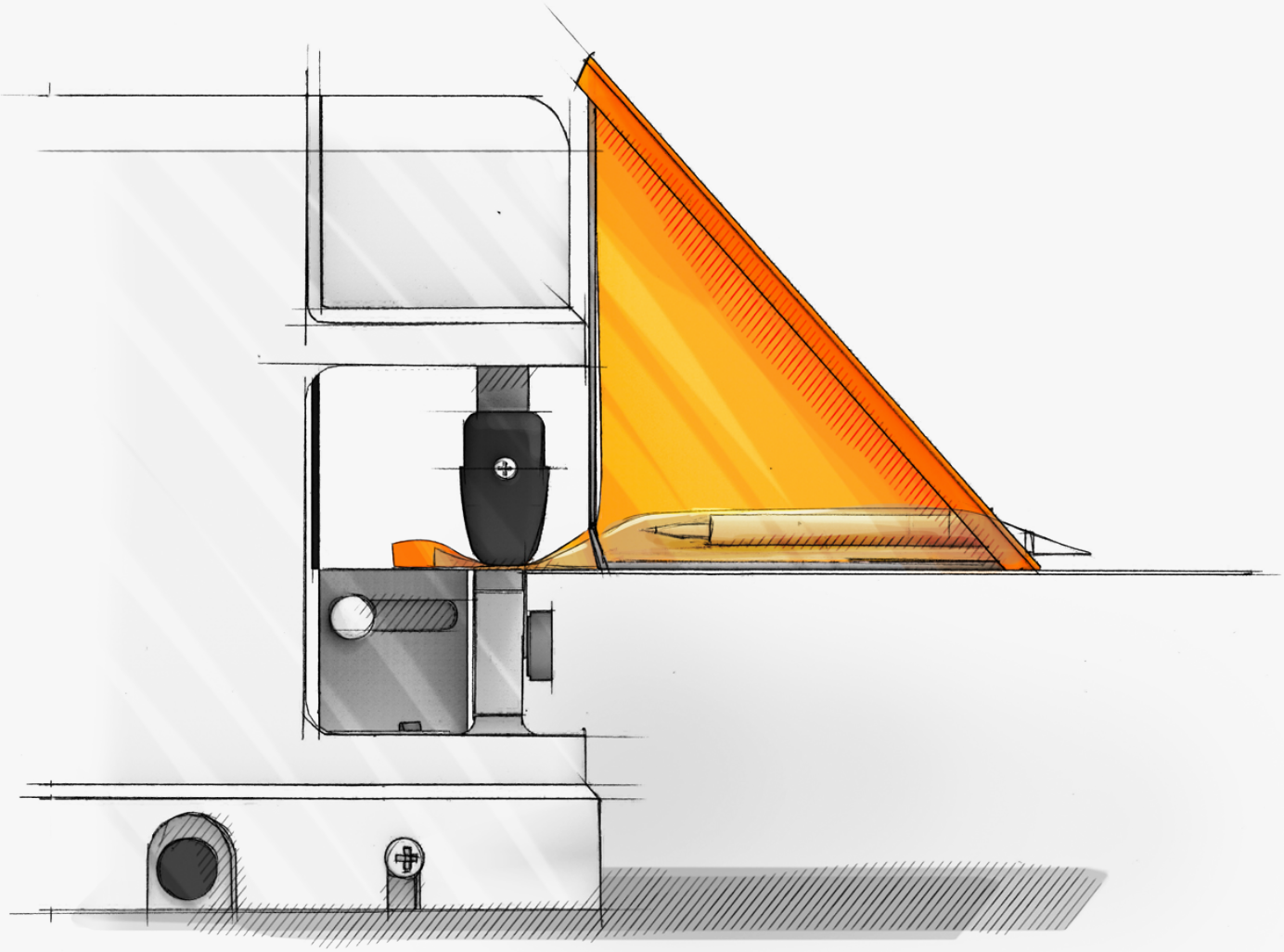
HUMAN TISSUE ISOLATION POUCH

HTIP SYSTEM SPECIFICATIONS



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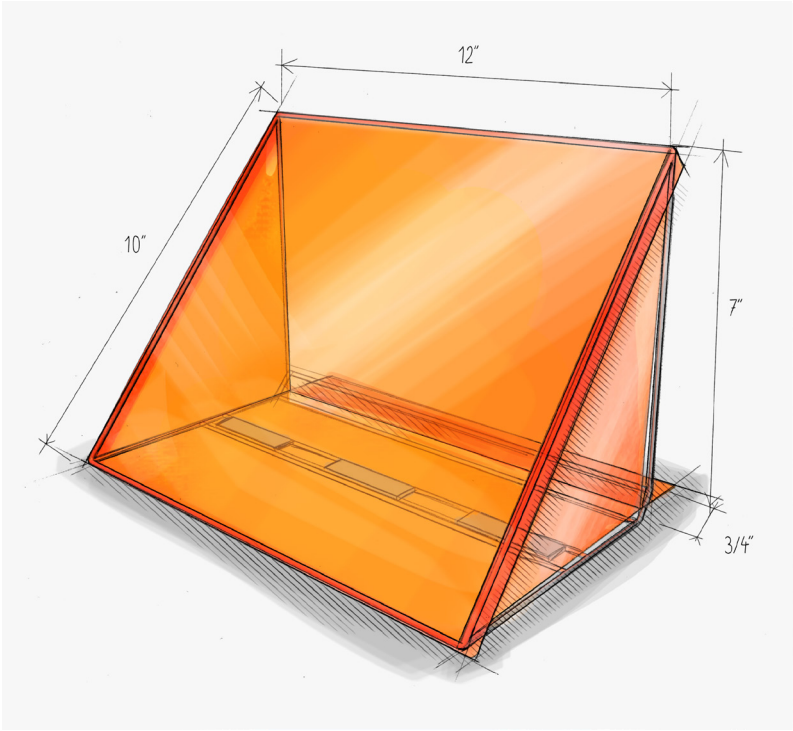
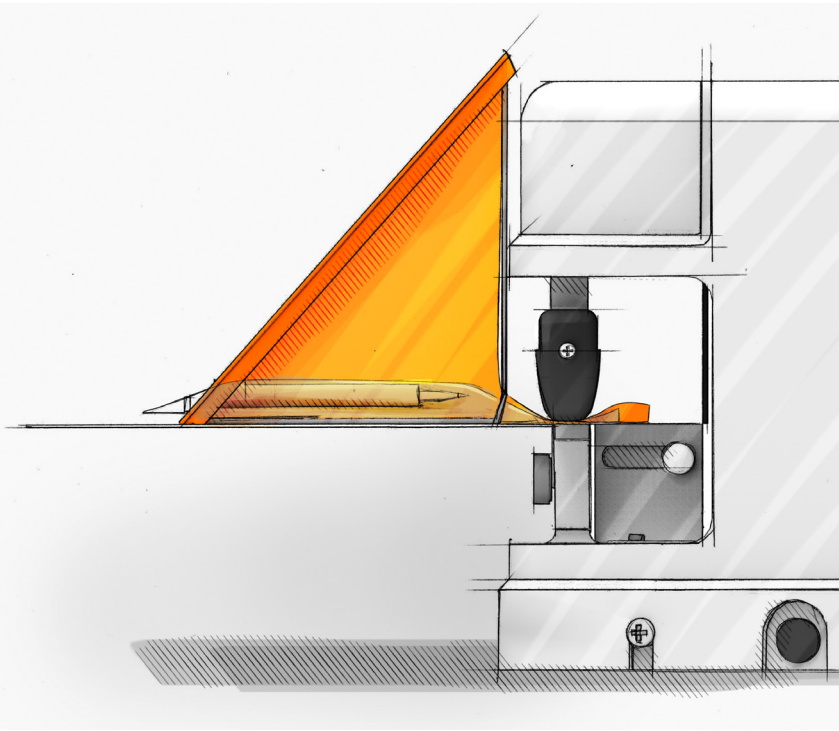
Specifications

Packaging isolation system for the aseptic processing of human tissue. The HTIP containment system has been designed to reduce machine antimicrobial wipe-downs by isolating the active biology from the packaging machine components.

- Frame material: stainless steel
- Temperature range: −269 to +400 °C
- Attachment: 3 Neodymium magnets
- Diameter: 12 wide 7 high 10 face (custom sizes available)
- Configuration: tilted opening for better visual contact during packaging
- Material: Kapton® FN (Kapton is a registered trademark of the DuPont corporation)





Thermal Environment Data

To better understand the thermal/platen environment and seal strength when utilizing our HTIP system we commissioned a study in our ISO/IEC 17025 accredited laboratory. (Figure 1) demonstrates exceptional seal strength and linear consistency when sealing Tyvek® with mylar through the Kapton® substrate. (Figure 2) represents a thermal data-logging session on the Kapton® covered seal platen. The waveform underscores the consistency of the environment over multiple thermal events.

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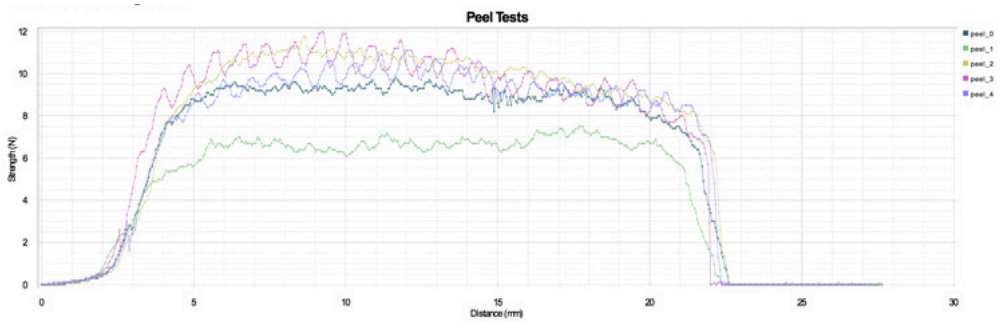


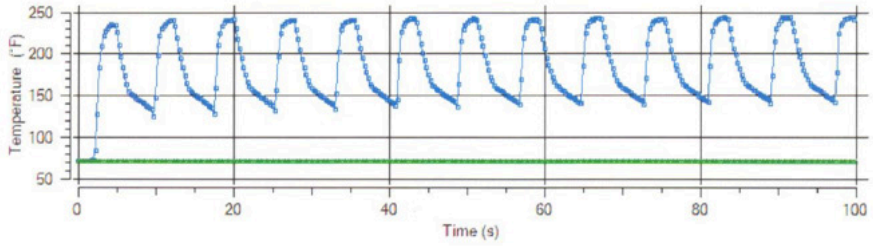
Customer Information

Customer	Van der Stähl Scientific, Inc.
Lab Technician	Cord Burham

Sealer Information

Sealer	MS-350-NP
Serial No.	04032013-000184/04981E
Temp	240F
Heat Dwell	2.0s
Cool Dwell/Temp	150F
Cycle Dwell	3.0s

(Figue 1) above shows peels strenth of a DuPont™ Tyvek® 1073B/mylar pouch when sealed with Kapton® covered seal platens



Agilent

COM Port	COM4	Sampleinterval(s)	0.25
Baud Rate	38400	Numberof Samples	400
Parity	None	Lengthof Scan	00:01:40.000

'igure 2) above shows thermal events captured from the Kapton® covered platens that deminstated consistence thermal performanc