

# 21st CENTURY STERILE SLUSH



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#### °C CHANGE SURGICAL

Entirely U.S. On-Shore



# Founded in 2004 to innovate sterile fluid temperature management products

- Founded and operated in the U.S.
- All manufacturing and R&D in U.S.
- Fastest growing sterile slush product in the U.S.
- More than 30 U.S. & international patents



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## EVOLUTION: MAKING STERILE SLUSH

Freezing saline bottles in a waste can with ice & Isopropyl alcohol.

Sterile technique?

Shaking & squeezing ...





#### LATE 1970s Slush Bricks

Labor-intensive

Gravel quality

Punctures with high waste rate

Operator injuries



Baxter
Sterile Container System

(Bag within a Bag)







#### LATE 1980s Open Air Units

#### **Economic and Clinical Concerns**

Costly machines. Every room.

Unprotected. Hours before use.

Case dependent. Variable quality.

Expensive. Single-layer drapes.





A lot has changed since the 1980s



#### RESEARCH Sterile Fluid Temperature Control

Slush: The only product with nearly universal concerns.

Feedback: Budget value. Case efficiency. Infection prevention.

#### APPLIED: User Input + FMEA = SurgiSLUSH™

- 1. Supply value
- 2. Streamlined process
- 3. Current standards of sterile security

RESULT: 18 consecutive evaluating teams just switched





### TODAY SurgisLUSH

#### How do today's clinical teams judge NEW slush?

Today's guidelines, practices & capital challenges

Years and years of practical clinical experience

Decades of data - MAUDE





### **Surgi**SLUSH Feedback: 96% Support

Efficiency. Automated. Predictive. Expert supply

Economy. Reduce equipment costs 25% - 50% per room

Sealed or Open. Closed system locks out contaminants

Product Data. Zero MAUDE Reports

Failure Detection. Intact seals confirmed BEFORE every use





### **SurgiS***LUSH* Evaluation Data

Economy

Guidelines

Performance Data

**Detecting Failures** 

Teams are switching to a Closed System that seals out contaminants.

Users add hours of protection for each patient.



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### SurgisusH<sup>™</sup> Evaluation Data

Economy

Guidelines

Performance Data

**Detecting Failures** 

Zero (0) MAUDE reports.

Double-walled, sealed,

Tamper-Evident container system.

(Since 2018)

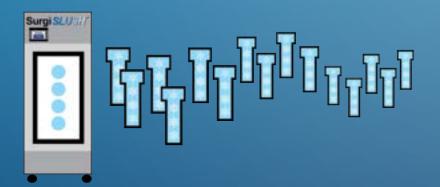


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#### Economy. Efficiency.

Six Machines or Two?



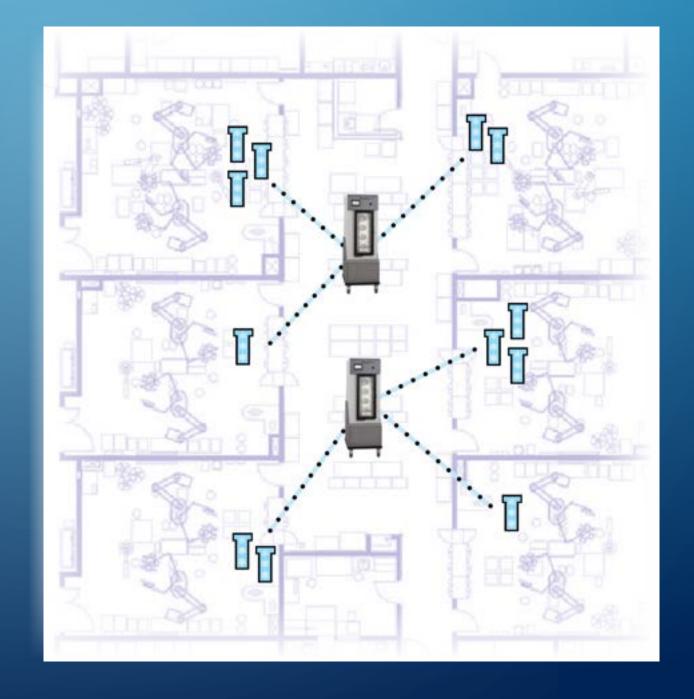
Less Equipment

Less Labor

Less Waste



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### Supply Flexibility

2 Liter and 4 Liter Freezers



**Predictive** 

Flexible

Supply



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#### STREAMLINED PROCESS

Set & Forget Precise & Predictive Everyone's an Expert

No Labor in Cases

#### **UNMATCHED SUPPLY VALUE**

Supplies More Cases Less Labor Less Equipment Less Waste

#### **AUTOMATED SECURITY**

Sealed Until Use

Tamper-Evident Double-Walled Containers



96% support. What will your team choose?



#### **FEEDBACK**

"It's the 21st century ... there is a better way. This!"

"It's like going from a horse and buggy to a brand new mustang!"

