

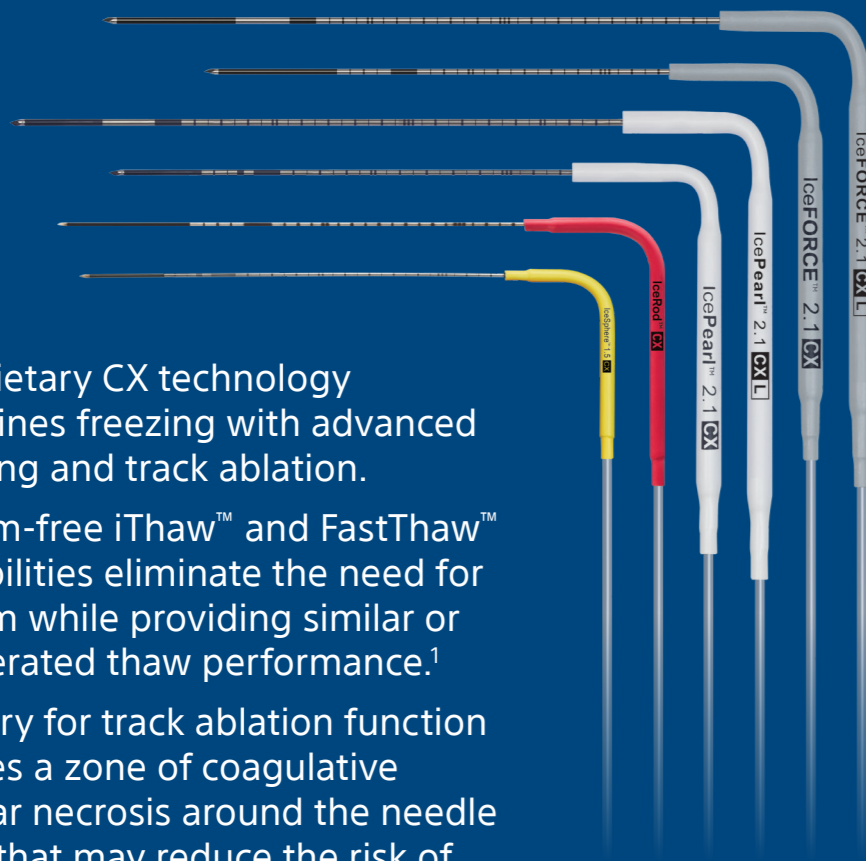
CRYOABLATION NEEDLES ENGINEERED FOR EFFICIENCY AND PERFORMANCE

Innovative needle portfolio consists of classic and helium-free CX cryoablation needles to accommodate a variety of procedural applications.

Proprietary CX technology combines freezing with advanced thawing and track ablation.

Helium-free iThaw™ and FastThaw™ capabilities eliminate the need for helium while providing similar or accelerated thaw performance.¹

Cautery for track ablation function creates a zone of coagulative cellular necrosis around the needle track that may reduce the risk of track seeding.



ORDERING INFORMATION

CRYOABLATION SYSTEM	PART NUMBER
Visual ICE™ Cryoablation System	FPRCH6000-02

CRYOABLATION PORTFOLIO OF NEEDLES

The following chart lists 90° and straight needles. Please contact your Boston Scientific representative for MRI compatible needles, needle kits and cryoablation systems.

CRYOABLATION NEEDLES	PART NUMBER	SHAFT LENGTH / GAUGE	TRACK ABLATION RADIAL WIDTH/LENGTH
IceSeed™ 1.5 CX 90°	H7493967433170	17.5 cm / 17 G	1.6 / 14 mm
IceSeed 1.5 CX Straight	H7493968333170	17.5 cm / 17 G	1.6 / 14 mm
IceSeed™ 1.5 CX S 90°	H7493967233100	10 cm / 17 G	1.6 / 14 mm
IceSphere™ 1.5 S 90°	FPRPR3561	10 cm / 17 G	
IceSphere 1.5 CX 90°	FPRPR3573	17.5 cm / 17 G	1.7 mm / 14 mm
IceSphere 1.5 CX Straight	H7493968435730	17.5 cm / 17 G	1.6 / 14 mm
IceRod™ 1.5 CX 90°	FPRPR3533	17.5 cm / 17 G	2.3 mm / 30 mm
IceRod 1.5 CX Straight	H7493968535330	17.5 cm / 17 G	1.7 / 14 mm
IcePearl™ 2.1 CX 90°	FPRPR3601	17.5 cm / 14 G	2.1 mm / 13 mm
IcePearl 2.1 CX L 90°	FPRPR3617	23 cm / 14 G	2.1 mm / 13 mm
IcePearl 2.1 CX Straight	FPRPR3603	17.5 cm / 14 G	2.1 mm / 13 mm
IceForce™ 2.1 CX 90°	FPRPR3602	17.5 cm / 14 G	2.5 mm / 29 mm
IceForce™ 2.1 CX L 90°	FPRPR3618	23 cm / 14 G	2.5 mm / 29 mm
IceForce 2.1 CX Straight	FPRPR3604	17.5 cm / 14 G	2.5 mm / 29 mm



Visual ICE™ Cryoablation System Indications, Safety, and Warnings

<https://www.bostonscientific.com/visualicecryo-indications>



Cryoablation Needle IceRod™, IceSeed™, IceSphere™ Indications, Safety, and Warnings

<https://www.bostonscientific.com/cryoneedles-indications>



Multi-Point Thermal Sensors™ Indications, Safety, and Warnings

<https://www.bostonscientific.com/cryoneedles-indications>

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SYSTEM SPECIFICATIONS

OPERATING CONDITIONS

- Temperature: 10 °C to 40 °C
- Relative Humidity: 30% to 75%

STORAGE CONDITIONS

- Temperature: -15 °C to + 50 °C
- Relative Humidity: 10% to 90%

MECHANICAL SPECIFICATIONS:

- Weight: 220 lbs
- Height: 42 in, monitor down
62 in, monitor up
- Foot Print: 22 x 26 in
- Storage Compartment Weight Capacity: 50 lbs
- Monitor Storage Basin Weight Capacity: 20 lbs
- Closed Monitor Weight Capacity: 20 lbs

GAS SUPPLY SPECIFICATIONS

ARGON CYLINDER:

- Purity Level: 99.998% or higher
- Solid particle size: < 5 µm

HELIUM CYLINDER:

- Purity Level: 99.995% or higher
- Solid particle size: < 5 µm

GAS CYLINDER SPECIFICATIONS

- Maximum Pressure: 6000 psi
- Recommended Volume of Gas Cylinders: 42-50 L
- Connector Valve: CGA677



VISUAL ICE™ Cryoablation System



PROGRESSIVE CRYOABLATION PLATFORM

INTUITIVE USER INTERFACE

OPTIMAL ABLATION ZONE CREATION

Boston Scientific
Advancing science for life™

Peripheral Interventions
300 Boston Scientific Way
Marlborough, MA 01752-1234
www.bostonscientific.com

To order product or for more information contact customer service at 1.888.272.1001.

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VISUAL ICE™ Cryoablation System

CONTINUOUS AND UNRIVALED INNOVATION

Visual ICE Cryoablation System delivers the next generation of therapy delivery and superior iceball performance.

SYSTEM FEATURES

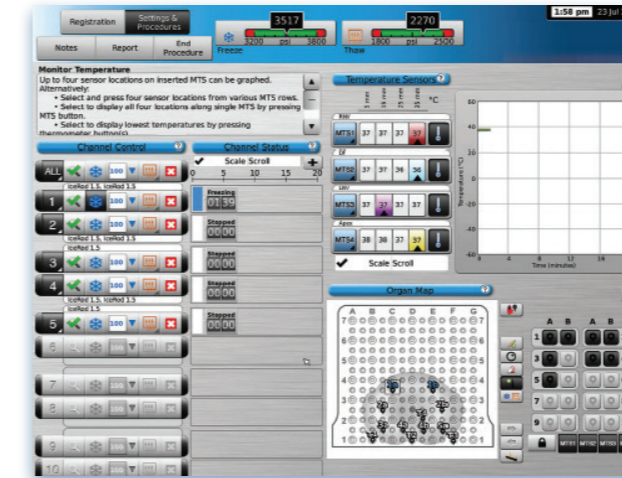
- Large touch-screen monitor
- Ten separate system channels allow independent control per channel
- Twenty needle ports provide opportunity to treat large tumors and to conduct multiple simultaneous treatments
- Enlarged, positionable timers allow procedural status monitoring from a distance
- Operates with Argon and/or Helium depending on cryoablation needles used



INTUITIVE USER INTERFACE PROVIDES AN EASE OF OPERATION

ENHANCED SYSTEM FUNCTIONALITY

- Consistent gas flow rates are maintained to active needles, producing the strongest possible ice
- Software controls optimize performance for simultaneous activation of multiple needles
- Software functions can be customized based on procedure and need for advanced functions
- Secondary internal gas dryers produce consistent iceballs and boost freezing performance



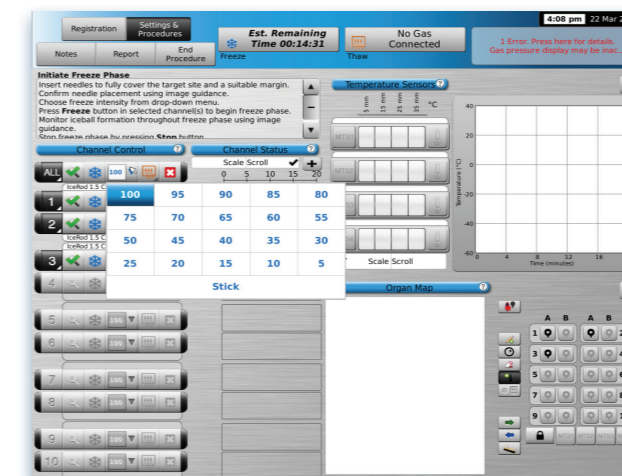
Procedure Screen

PRECISE CONTROLS PRODUCE OPTIMAL ABLATION ZONES

- Visual Ice Cryoablation System offers dual-stage gas dryers for superior iceball performance
- Different needle types can be combined to create optimal iceball shapes and sizes
- Real-time needle tip temperature displays

CONFIGURABLE DISPLAY

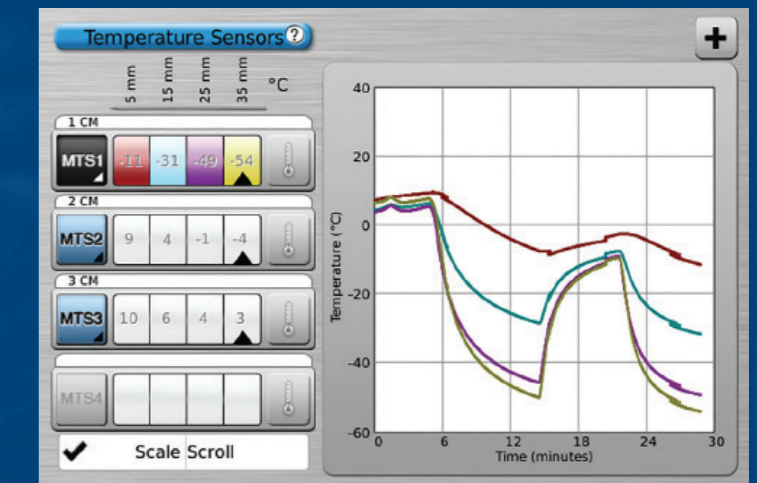
- Large HD touch screen controls operation and displays procedure status
- Enlarged, positionable timers allow procedure status monitoring from a distance
- Selections to maximize, minimize, scale or scroll customize the displayed data
- Color coded bars display ongoing procedural summary



THERMAL SENSORS MONITOR SURROUNDING TISSUE

Patented Multi-Point Thermal Sensors™ measure temperature in four points along a 3 cm distance to continuously monitor temperature in surrounding tissue

Real-time numeric and graphical displays from inserted MTS needles provide visual feedback on temperatures near critical structures and/or ablation sites



Temperature Sensor Section