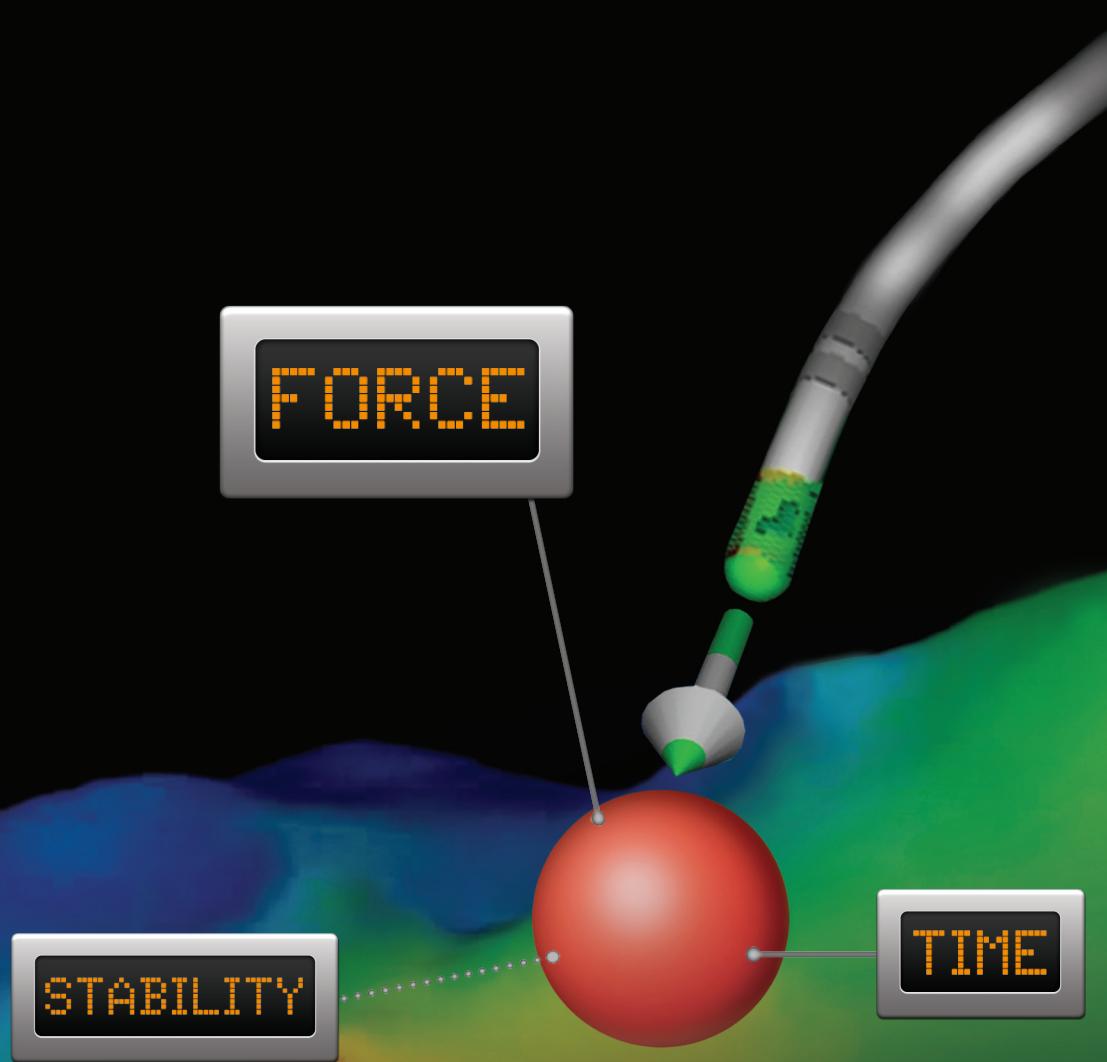


A successful ablation requires a Smart Touch.*

CATHETER STABILITY | CONTACT FORCE | FORCE VECTOR



*Based on results of SMART-AF Study; VisiTAG™ Module was not used during study. (See study data on first spread.)

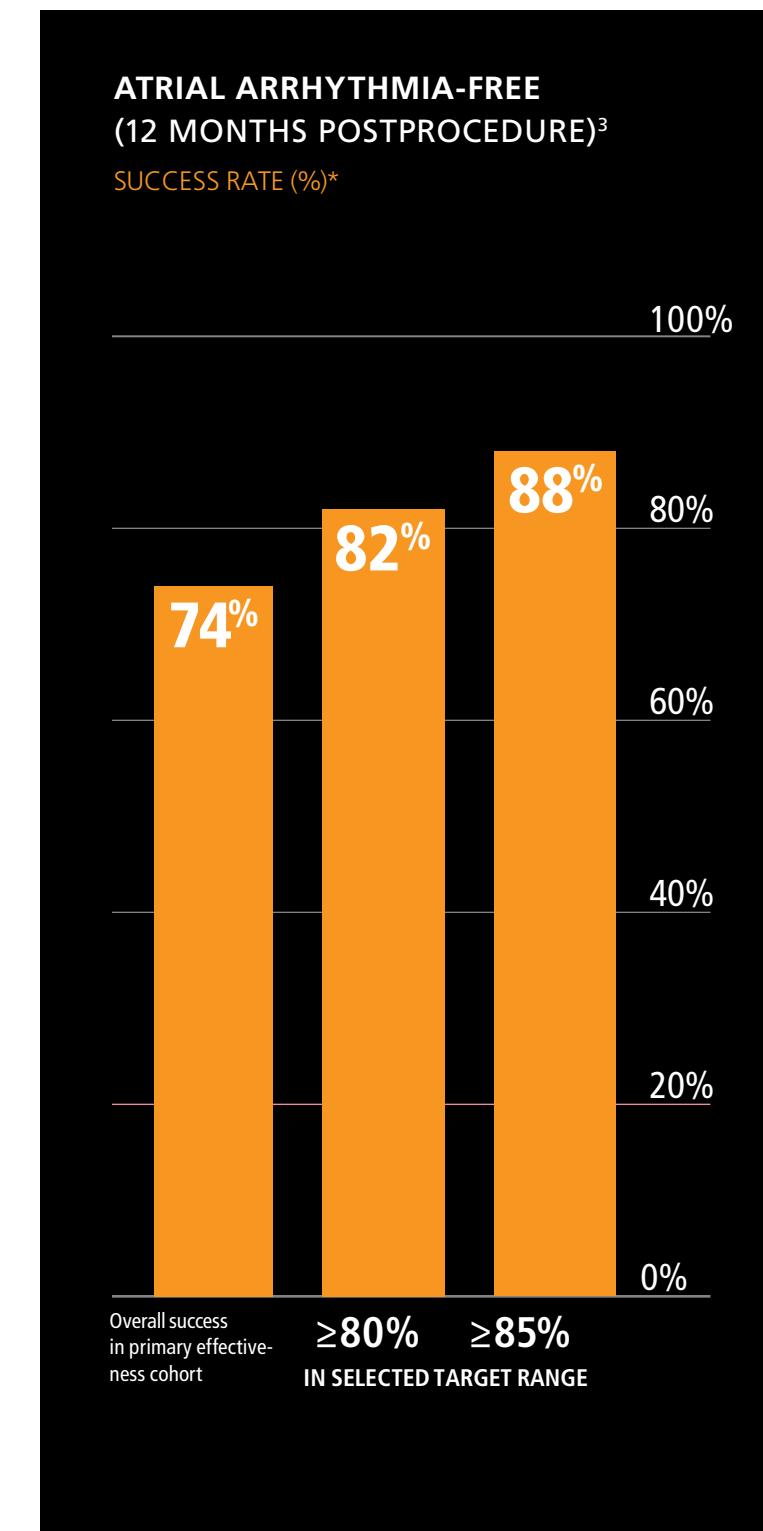
THERMOCool® SMARTTouch™ Catheter delivers a new measure of success.

- Know more, to help create effective lesions
- Reduce ablation time, procedure time, and total energy delivery¹
- Improve outcomes: Catheter–tissue contact force is critical for effective lesion creation²



Greater stability, greater success.

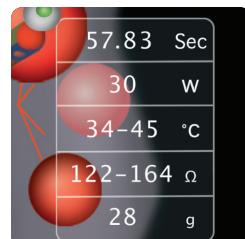
- In the multicenter SMART-AF clinical study, THERMOCool® SMARTTouch™ Catheter demonstrated up to an 88% success rate depending on the stability within the contact force range*³
- During the study, investigators selected a working range of 5 to 40 grams for 68% of all study procedures. A low value of 5 grams was selected in more than 90% of the procedures³



*Success defined as freedom from any symptomatic atrial arrhythmia (AFib, AFL, ATAC) 12 months postprocedure when operator remained in the preset contact force range.³

CARTO® SMARTTOUCH™ 3D Module adds a new dimension of certainty.

We've combined our catheter technology with a graphic user interface and VisiTAG™ Module to create the CARTO® SMARTTOUCH™ 3D Module. This allows you to select, visualize, and manage ablation parameters. Knowing this information can be helpful prospectively or retrospectively to manage your ablation strategy.



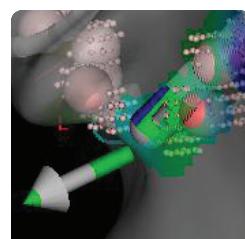
Seamless integration with the CARTO® 3 System.

- Incorporates VisiTAG™ Module technology to display key ablation parameters related to lesion formation
- Combines multiple parameters, including power, impedance, stability, and time at location



Maintain catheter stability.

- Helps to visualize and maintain catheter stability within a user-selected range
- User-selected parameters for distance moved (measured in millimeters) over a selected time permit stability requirement to be adjusted



Observe force and catheter orientation.

- Vector arrows show actual angle of catheter tip to tissue
- Color-coded catheter tip indicates progress to target force value

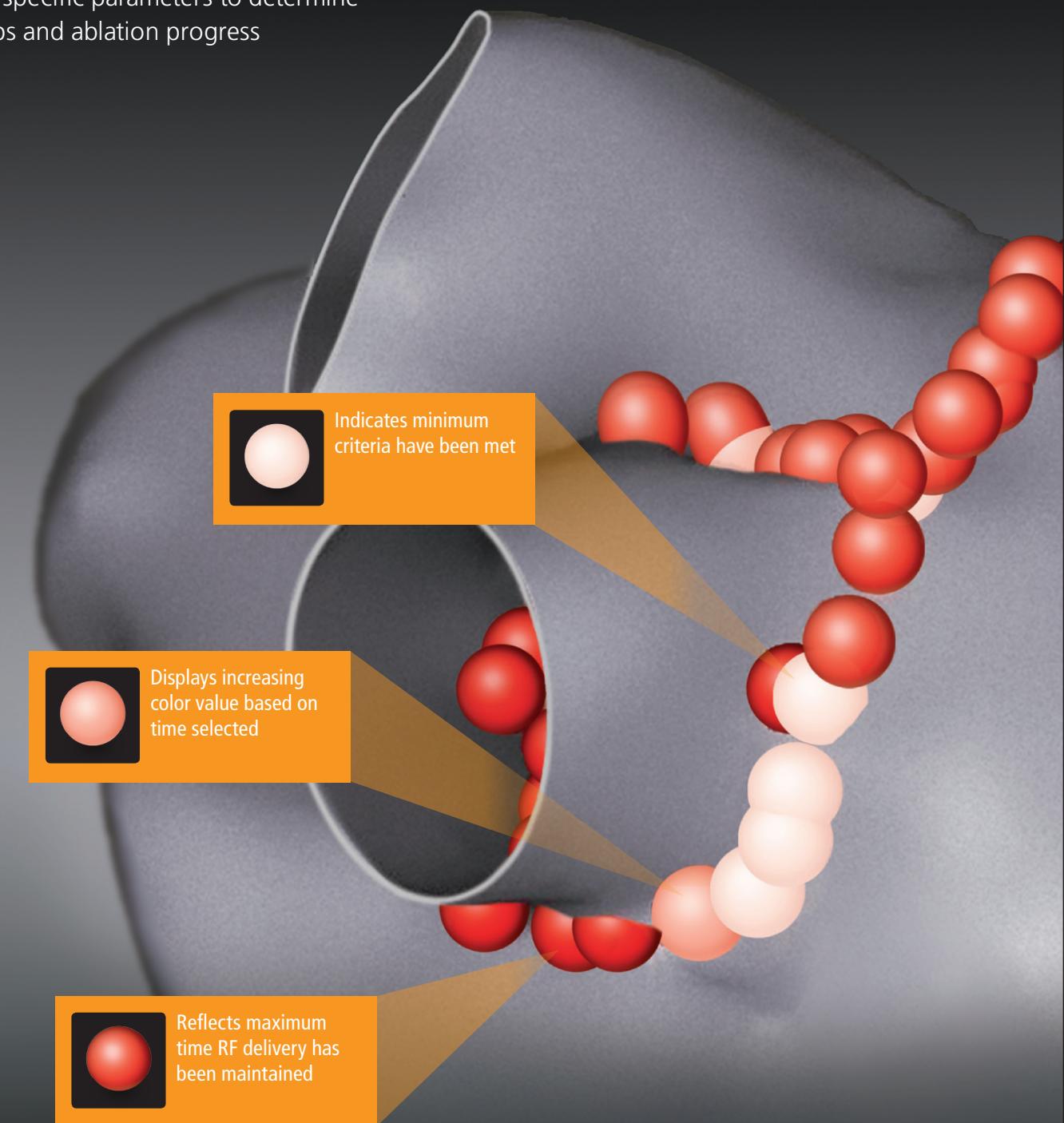


Get average and real-time force.

- Accurate force is displayed in window and in VisiTAG™ Module information grid
- Average force over time is presented for each ablation tag

Knowing makes all the difference.

- Provides real-time force and color graphs based on user-defined thresholds
- Evaluates specific parameters to determine lesion gaps and ablation progress



CARTO® SMARTTOUCH™ 3D Module is fully integrated with the proven CARTO® 3 System.

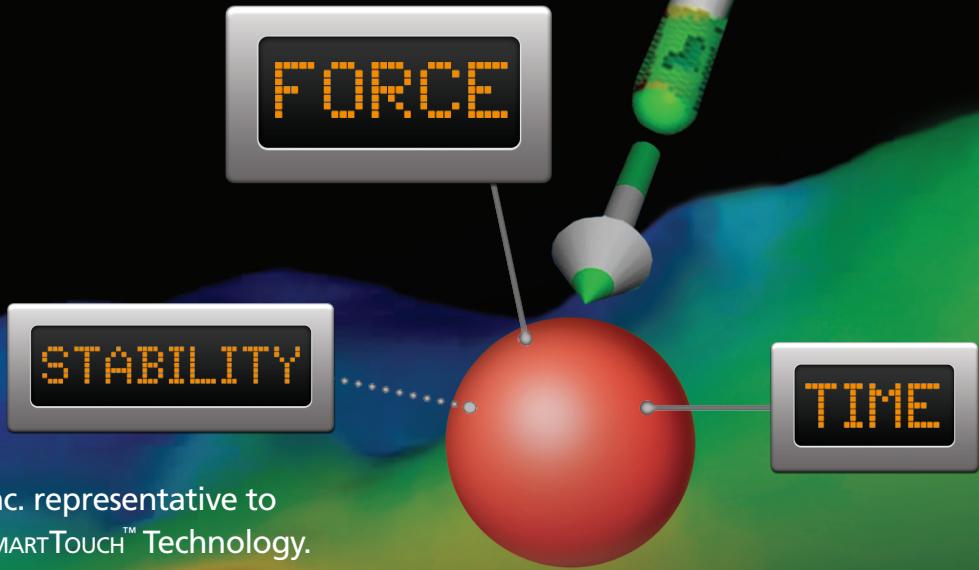
The CARTO® SMARTTOUCH™ 3D Module works seamlessly with your CARTO® 3 System, displaying all parameters in real time on a single screen—providing knowledge to further support you in the quest for the perfect lesion.



CARTO[®] SMARTTOUCH[™] TECHNOLOGY

Knowing makes all the difference.

- THERMOCool[®] SMARTTOUCH[™] Catheter demonstrated up to an 88% success rate in patients with atrial arrhythmia (AFib, AFL, ATAC) 12 months postprocedure³
- Promotes consistent lesion formation
- Allows active measurement of stable contact force and catheter tip direction
- Visually confirms delivery of user-defined dimensions of lesion creation
- Integrates seamlessly into the CARTO[®] 3 System



Call your Biosense Webster, Inc. representative to find out more about CARTO[®] SMARTTOUCH[™] Technology.

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For healthcare professionals only. Please refer to the instructions for use accompanying each device before use.

References:

1. Martinek M, Lemes C, Sigmund E, et al. Clinical impact of an open-irrigated radiofrequency catheter with direct force measurement on atrial fibrillation ablation. *Pacing Clin Electrophysiol*. 2012;35(11):1312-1318.
2. Kumar S, Morton JB, Lee J, et al. Prospective characterization of catheter-tissue contact force at different anatomic sites during atrial pulmonary vein isolation. *Circ Arrhythm Electrophysiol*. 2012;5:1124-1129.
3. Data on file, Biosense Webster.

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