



# Virtual Bronchoscopic Navigation with Fused Fluoroscopy

How do you get to nodules  
without a bronchus sign?



## COMPREHENSIVE PROCEDURE PLANNING

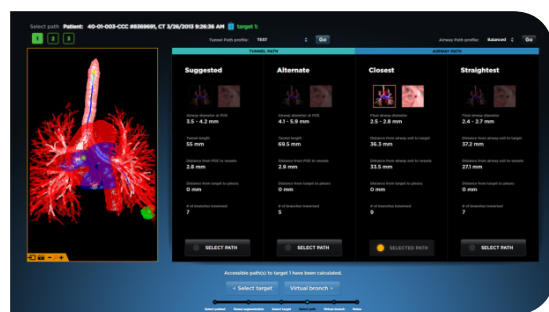
Archimedes® integrates CT, pattern recognition software and fused fluoroscopy to provide three-dimensional, real-time airway and proprietary Bronchoscopic TransParenchymal Nodule Access (BTPNA).



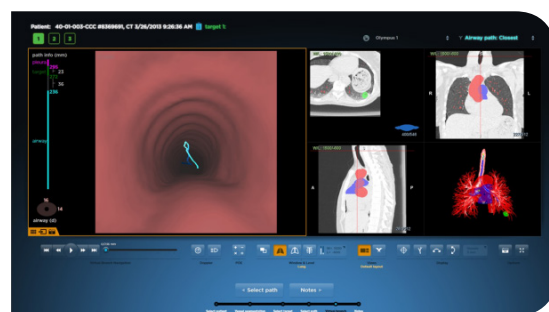
- Vessel identification ensures a non-vascular path during BTPNA and Guided TBNA



- Ability to define up to eight (8) targets in choice of CT view



- Software calculates multiple BTPNA and Guided TBNA paths to the target(s)



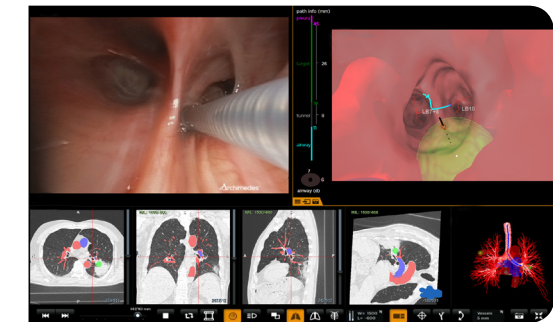
- Virtual Bronchoscopy allows for review of the selected path to target



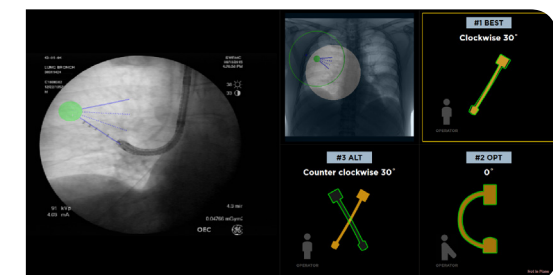
Also available in laptop planner for additional convenience



## INTUITIVE IMAGE GUIDANCE AND NAVIGATION

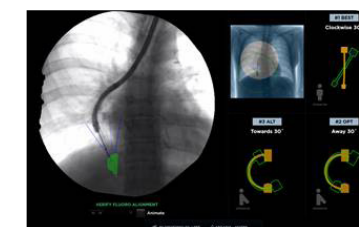


- Real-time bronchoscopic and virtual visualization
- CT projections with target and vessel overlay
- 3D reconstruction of airway tree and vasculature

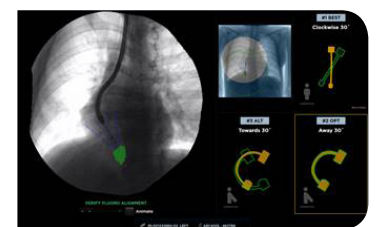


- Recommended c-arm positioning
- Virtual target transposed on fused fluoroscopy
- Navigation to target within 3mm accuracy

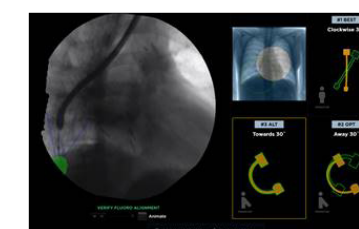
### AP VIEW



### AWAY 30° VIEW



### TOWARDS 30° VIEW

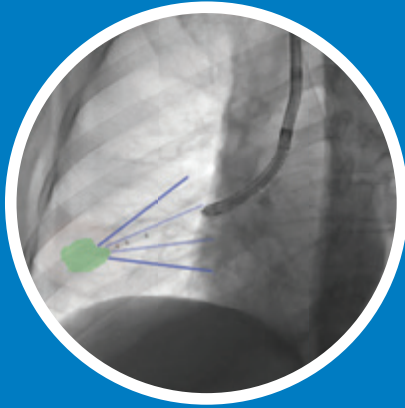


- Target overlay with fused fluoro, in multiple c-arm positions, provides three-dimensional visualization of anatomy, target and scope positioning

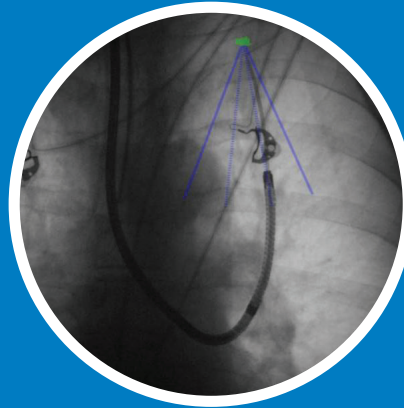
With Access Comes Possibility™

# THE ONLY NAVIGATION TECHNOLOGY THAT IS DESIGNED FOR MULTIPLE BRONCHOSCOPIC TECHNIQUES RESULTING IN AN OPTIMIZED DIAGNOSTIC YIELD.

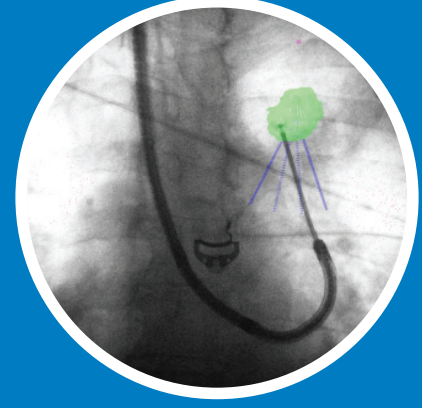
**BTPNA  
w/Therapeutic Scope**



**Guided TBNA  
w/Diagnostic Scope**



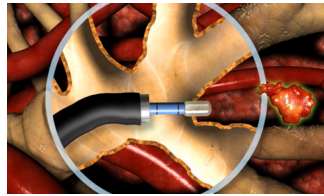
**Guided TBNA w/Access  
Sheath and Diagnostic Scope**



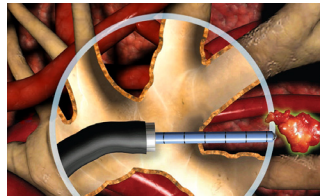
## BTPNA (Bronchoscopic TransParenchymal Nodule Access)



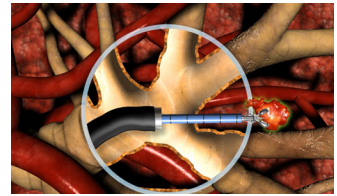
**Point of Entry (POE) created using  
FlexNeedle®**



**POE Dilated using Archimedes  
Balloon**



**Archimedes Sheath for tunneling  
with fused fluoro**



**Accessing, diagnosing, and  
potentially treating a nodule**

	BTPNA	Guided TBNA
<b>Recommended For:</b>	Nodules without a bronchus sign	Nodules in the lung periphery
<b>Scope Requirements:</b>	Therapeutic Scope	None
<b>Disposables:</b>	Archimedes Access Kit	None for airway navigation Inexpensive Fluoro Key for Fused Fluoro
<b>Benefit(s):</b>	Access to nodules without a bronchus sign	Reduced procedure costs - No dedicated disposables Ability to use any bronchoscope Access to lung periphery

### Broncus Medical, Inc.

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Contact: For additional information please contact Broncus at 1-877-428-1600, +1-650-428-1600

or sales@broncus.com

[www.broncus.com](http://www.broncus.com)



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Archimedes<sup>®</sup>  
LITE™

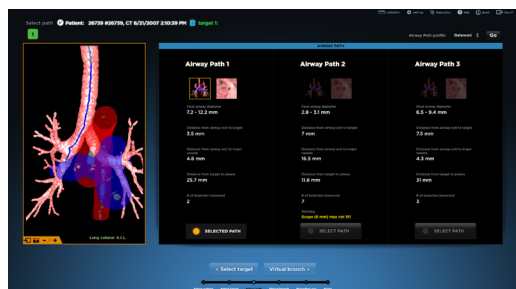
## Virtual Bronchoscopic Navigation System

BRONCUS<sup>®</sup>

The Archimedes Lite is a simple, yet elegant Virtual Bronchoscopic Navigation System that leverages the advanced navigation technology from Archimedes® without fluoroscopy. The clinical flexibility and low total cost of ownership makes Archimedes Lite an ideal fit within any clinical practice.



Side by side virtual and real time bronchoscopic images provide greater visualization and feedback.

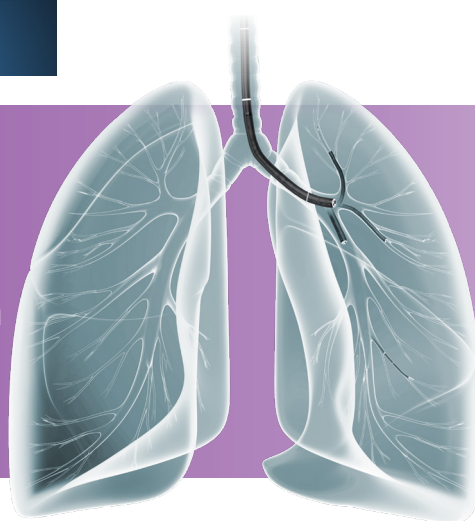


Software calculates multiple airway paths for greater clinical flexibility.



Virtual Bronchoscopy allows for review of the selected path to target to ensure an efficient procedure.

The **ONLY** pulmonary navigation system that provides compatibility with any bronchoscope allowing for direct access to the lung periphery with **NO** dedicated consumables, potentially saving thousands of dollars with every procedure.



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**BRONCUS**<sup>®</sup>  
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# Archimedes<sup>®</sup>

## PLANNING SYSTEM

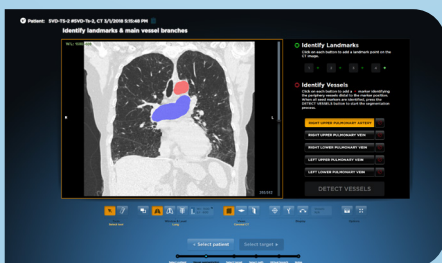
Comprehensive Procedure  
Planning System



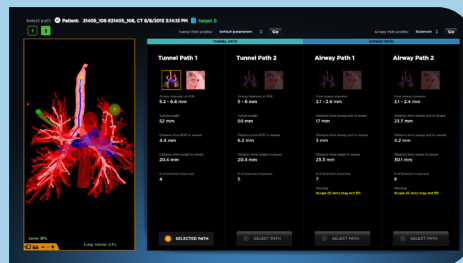
BRONCUS<sup>®</sup>



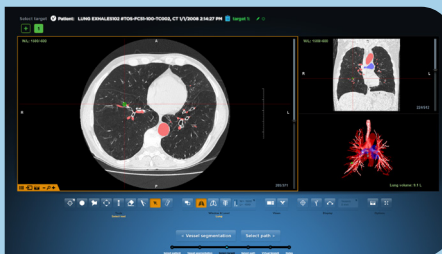
The Archimedes Planning System delivers all of the comprehensive planning features integrated into the Archimedes System in a convenient, low-cost laptop configuration. The elegant design and user-friendly interface provides multiple procedure plans to access even the most challenging of nodules.



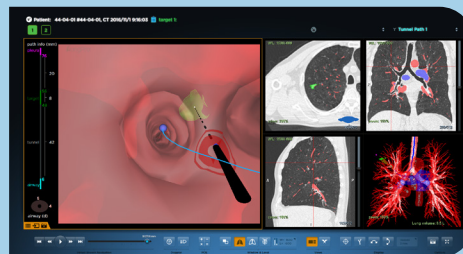
Vessel identification ensures a non-vascular path for additional safety.



Software calculates multiple paths to the target(s) allowing the clinician multiple options.



Ability to define targets in choice of CT view results in precious time savings vs. conventional planning with a CT scan.



Virtual Bronchoscopy allows for review of the selected path to target prior to a procedure.

The Archimedes Planning System is a simple economical solution for procedure planning. With no dedicated procedural costs and complete portability, the Archimedes Planner is an ideal cost effective solution for planning complex bronchoscopic procedures.

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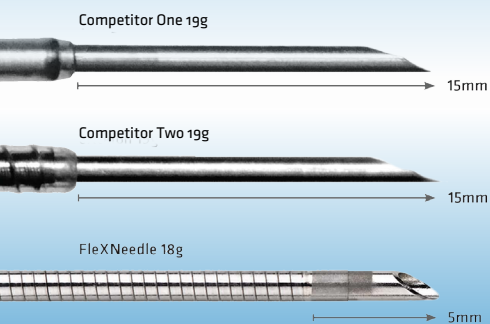
# FleXNeedle<sup>®</sup>

Coring Needle





The **FleXNeedle** is designed to enhance accessibility in hard to reach lesions in the peripheral segments of the lung.



#### ENHANCED FLEXIBILITY

- ~ 70% shorter hypo tube length provides enhanced flexibility & accessibility to tortuous airway anatomy
- 1,400mm length catheter is compatible with all standard bronchoscopes and robotic platforms

#### GREATER CONTROL

- Ergonomic, single-handed needle actuation
- Standard Luer Fitting: Compatible with wide range of aspiration syringes & stopcocks
- Adjustable depth gauge provides penetration of 5mm to 20mm for precision and control

#### OPTIMIZED BIOPSY

- Proprietary coring tip cuts and captures core specimens for histology and cytology
- Needle internal lumen is 0.95mm enabling a large sample collection

## Ordering information

Catalog Number	Needle Gauge	Penetration Depth (mm)	Maximum Catheter OD (mm)	Catheter Length (mm)	Order Quantity
10005-2	18	0-20	1.9	1,400	Box of 5

**Lung Solutions,  
Better Life™**

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