

superDimension Ltd.  
Special 510(k)

super/Dimension Bronchus Premium  
510(k) Summary  
September 20, 2005

K052852

**1. Submitter Information**

Name: superDimension Ltd.

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Contact person:

Dr. George Myers (Official Correspondent)  
Medsys Inc.  
377 Route 17 S  
Hasbrouck Heights, NJ 07604  
Tel.: 201-727-1703  
Fax: 201-727-1708

Date prepared: July 26, 2005

**2. Name of Device**

Trade Name: superDimension/Bronchus Premium  
Common Name: Bronchoscope  
Classification name: System, x-ray, tomography, computed

**3. Equivalent legally- marketed devices:**

superDimension/Bronchus 4.1, K052260

**4. Description**

The superDimension/Bronchus Premium is a device that guides a bronchoscope and bronchial tool to a target in or adjacent to the bronchial tree on a path indicated by CT scan, and visualizes target and

the interior of the tree. It has been modified to permit external video monitoring and recording devices. Other minor improvements have been made also.

#### **5. Intended Use**

The superDimension/Bronchus Premium is intended to image the upper airways and tracheobronchial tree to aid the physician in guiding endoscopic tools in the pulmonary tract. It does not make a diagnosis and is not a bronchial tool

#### **6. Performance Data**

##### *Non – clinical tests*

The superDimension/Bronchus Premium satisfies the requirements of EN60601-1 and EN 60601-1-2. The entire system has had extensive bench testing.

##### *Clinical tests*

Since no new technology is used, clinical tests are not required.

#### **7. Conclusion**

The superDimension/Bronchus is safe and effective for its intended use.



NOV 14 2005

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

superDimension Ltd.  
c/o George H. Myers, Sc.D.  
Official Correspondent  
Medsys, Incorporated  
377 Route 17 South  
HASBROUCK HEIGHTS NJ 07604

Re: K052852  
Trade/Device Name: superDimension/Bronchus Premium  
Regulation Number: 21 CFR §892.1750  
Regulation Name: Computed tomography x-ray system  
Regulatory Class: II  
Product Code: JAK  
Dated: October 7, 2005  
Received: October 11, 2005

Dear Dr. Myers:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter:

21 CFR 876.xxxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 892.xxxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Nancy C. Brogdon  
Director, Division of Reproductive,  
Abdominal, and Radiological Devices  
Office of Device Evaluation  
Center for Devices and Radiological Health

Enclosure

K052852

**Indications for Use**

510(k) Number (if known): K052852

Device Name: superDimension/Bronchus Premium

**Indications For Use:**

Indicated for displaying images of the tracheobronchial tree to aid the physician in guiding endoscopic tools in the pulmonary tract. It does not make a diagnosis and is not an endoscopic tool.

Not for pediatric use.

Prescription Use   x    
(Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_  
(21 CFR 807 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

*Nancy C. Bragdon*

(Division Sign-Off)  
Division of Reproductive, Abdominal,  
and Radiological Devices

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