Leadership: Ultrasound

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Agenda

- What is Ultrasound
- Markets and Competitive position
- Winning with Clinical Excellence
- The Foundation for Continued Success
- Summary





What is Ultrasound?

High frequency sound waves are sent into the body and reflected as they encounter internal structures, producing echoes that are processed into an image







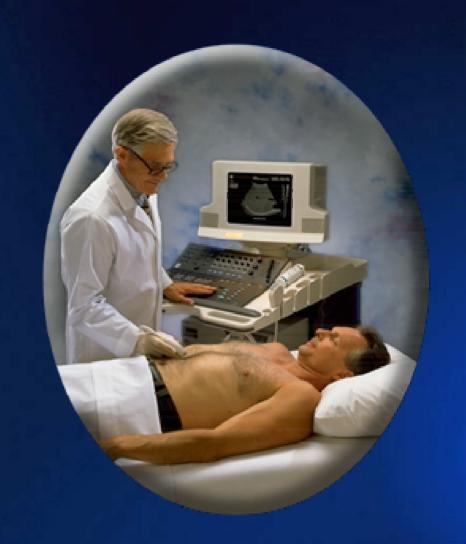
Why Use Ultrasound?

- One of the most widely used diagnostic procedures available
- Safe, noninvasive, painless
- Inexpensive means of early diagnosis



Typical Applications

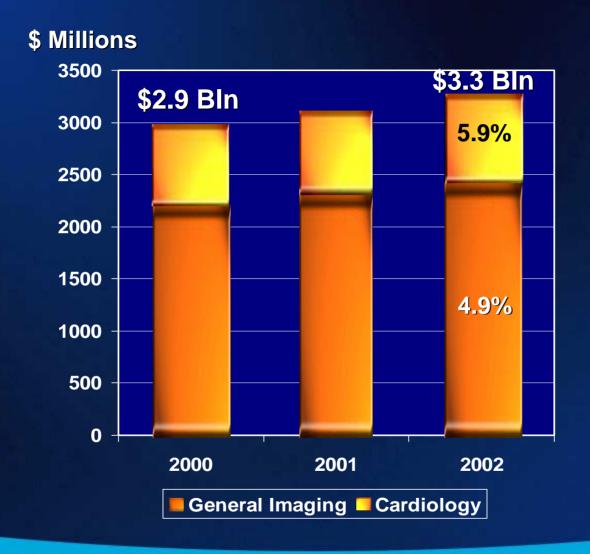
- Abdominal
- Obstetrics
- Gynecological
- Pediatrics
- Vascular
- Cardiac
- Superficial



Markets



Worldwide Clinical Markets

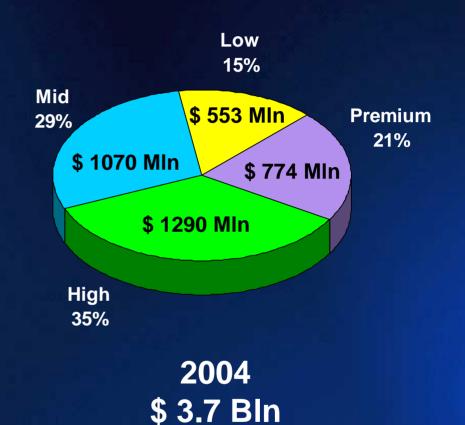






Worldwide Performance Segmentation









Market Drivers

- Replacement of older obsolete systems
 - New technologies such as SonoCT
 - New capabilities such as contrast agents
- Expanded use of ultrasound in new clinical applications
- Continued trends in diagnostic imaging toward cost containment and lower reimbursement, both of which favor ultrasound





Competitive Positions



Competition

- Philips
 - #1 position worldwide
 - #1 position in cardiology after acquisition of Agilent HSG
- Siemens
 - #2 position worldwide
 - Strong cardiology position after acquisition of Acuson
- GE
 - #3 position worldwide following recent acquisitions
 - Product line covers all price points
- Toshiba
 - Strong player outside the U.S., especially in Asia
 - Product breadth in mid-range and low-end





2001E WW Competitive Shares





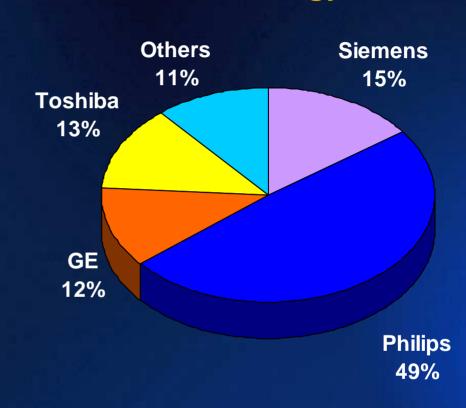


2001E WW Competitive Shares

General Imaging



Cardiology



\$ 800 MIn Market

Let's make things better.



PHILIPS

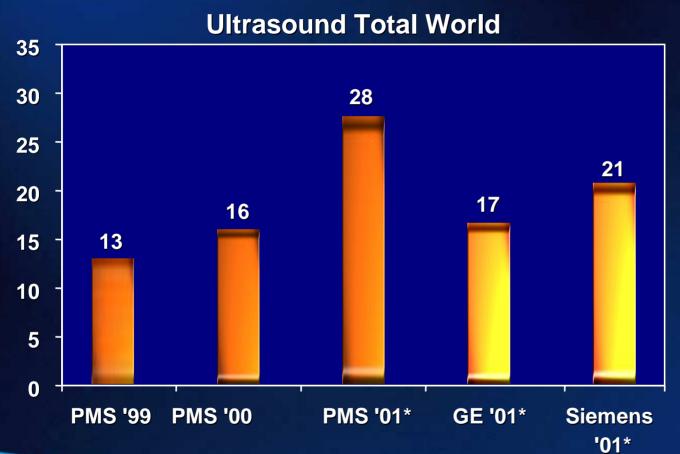
Philips Market Share by Performance Segment in General Imaging (in units)

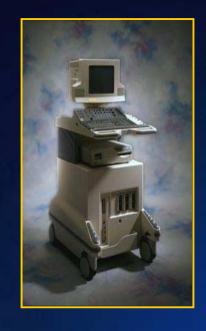






Continued Market share growth equipment orders (%)





Source: Philips/various
* forecast

Let's make things better.



PHILIPS

Winning on Clinical Excellence



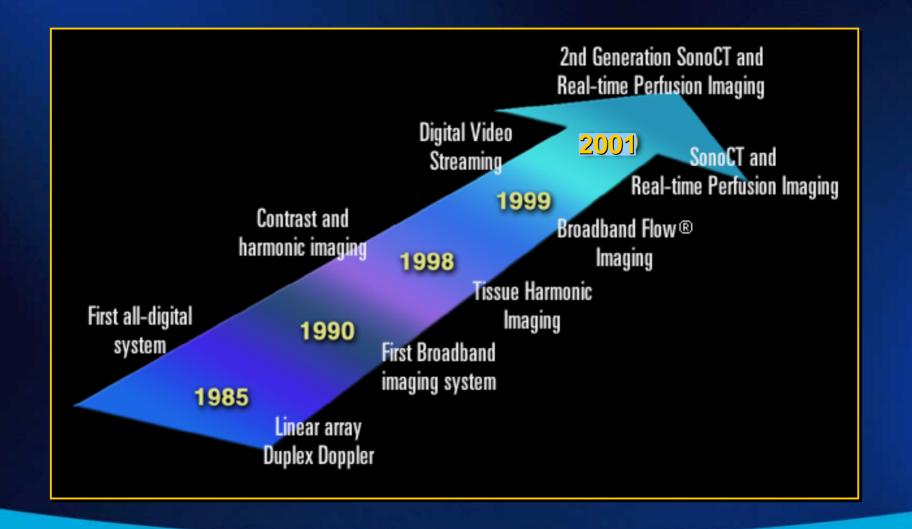
History of Innovation

- Designing products and features that meet customer needs
- Focused on clinical innovation that makes a difference in patient care
- Developing products and features that positively impact workflow
- Technology Innovations drive cost reductions:
 - earlier diagnosis saves costs and lives





Leader in Innovation

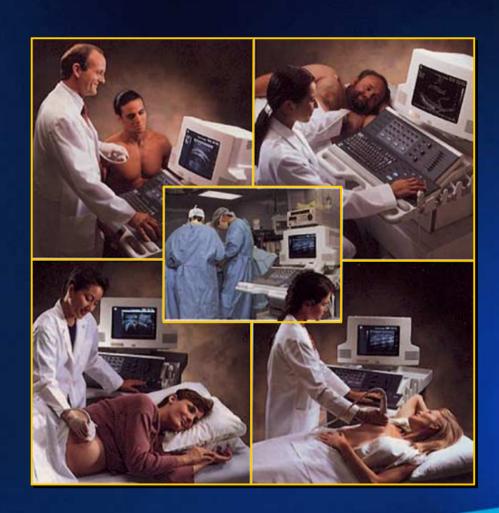






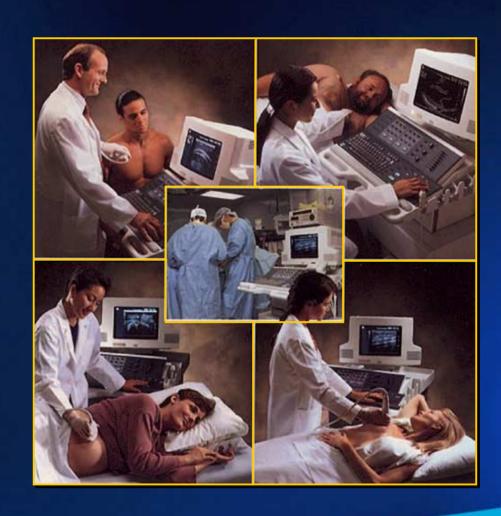
Expanding Technologies

- High resolution imaging
- Easier to use
- Dynamic examination
- Patient comfort
- Mobile



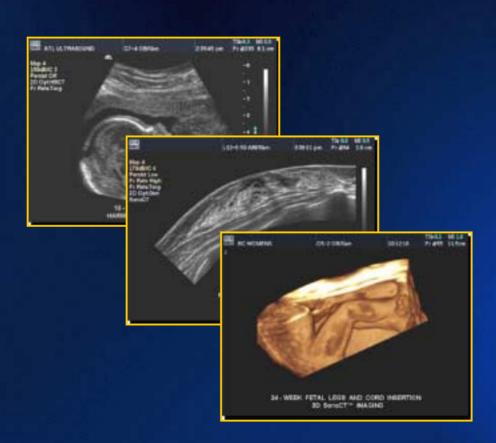
Expanding Ultrasound Applications

- Breast
- Surgical
- Musculoskeletal
- 3D / 4D Imaging
- Contrast Imaging
- Stress Echo



SonoCT 9 lines of sight

- Fundamentally new way to form ultrasound images acquiring more tissue information
- Important part of highly successful product upgrade

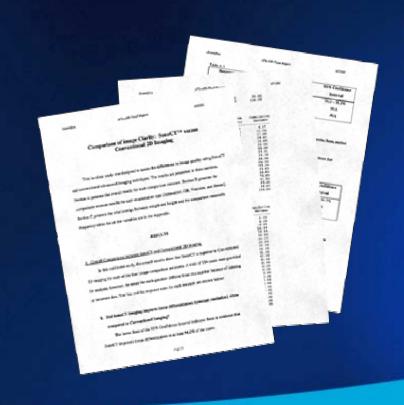




SonoCT 9 lines of sight

Clinically Proven Technology

Improved tissue differentiation	96.6%
Reduced image artifacts	93.2%
Better delineation of borders/margins	95.9%
Better overall image quality	96.2%
Changed patient management	17.6%







PHILIPS

Clinical Excellence

Arthur C. Fleischer, M.D.

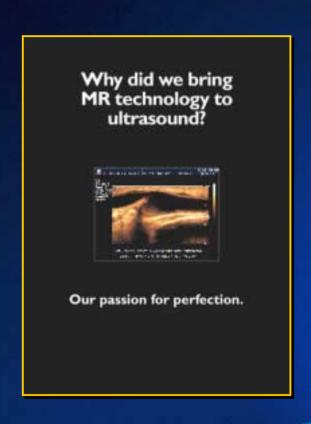
Professor of Radiology & Radiological Sciences, Professor of Obstetrics & Gynecology; Vanderbilt University Medical Center; Nashville, Tennessee







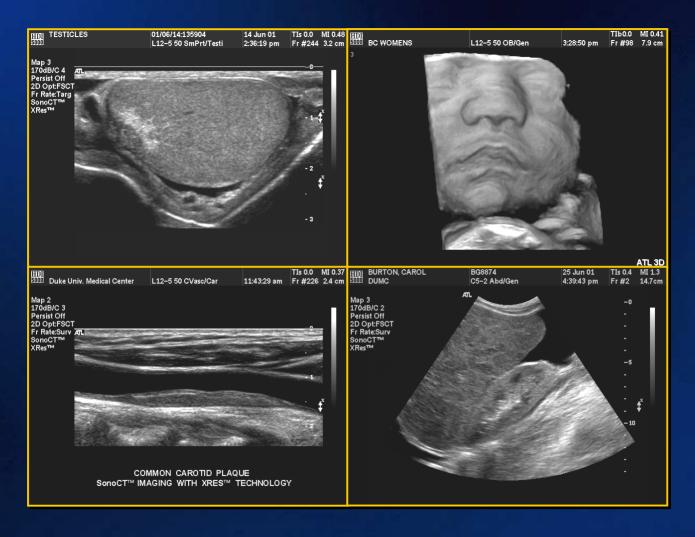
- New image processing technology from Philips Research developed for X-ray and MR imaging
- Algorithm refined by BL Ultrasound to operate in real-time applications
- Final XRES algorithm is being evaluated for use in real-time MR Angiography







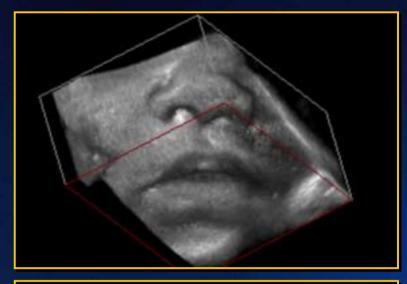


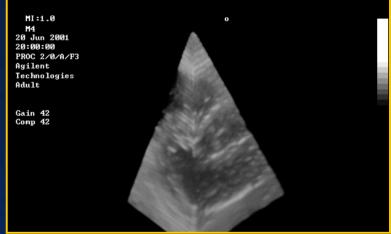




Emerging Technologies 3D / 4D Imaging

- Advancements in processing speed and rendering software
- Rapidly visualize multiple planes to speed examination
- Obtain new diagnostic information
- New Live 3-D on the Sonos 5500









Targeting the Mid-range

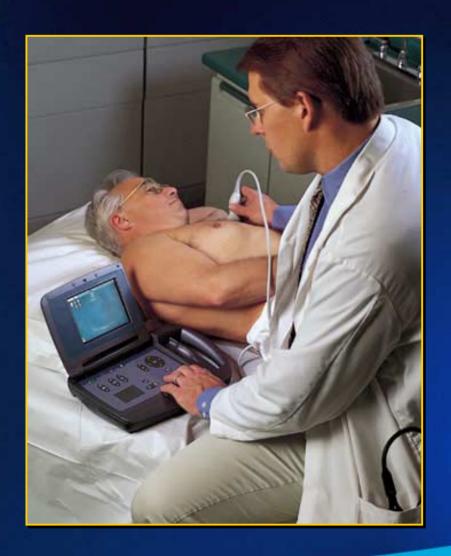
- our largest opportunity
 - Reorganized Business Line Ultrasound so that dedicated resources are focused on mid-range price segment
 - Strategic relationship with Medison
 - More investment in R&D specifically for the mid-range





Point of Care Ultrasound

New OptiGo a visual stethoscope





Top-rated Customer Support

 Rated #1 in customer support for cardiology 8 years in a row

 Rated #1 in customer support for general imaging/ women's health 3 years in a row

Source:

Annual ServiceTrak survey by International Market Ventures, Ltd





Over 70,000 Philips ultrasound systems in use in hospitals, clinics, offices and imaging centers worldwide





Top 50 US Cardiac Hospitals

1 <u>Cleveland Clinic</u> 2 <u>Mayo Clinic</u>, <u>Rochester</u>, <u>Minn</u>. 3 <u>Massachusetts General Hospital</u>, <u>Boston</u> 4 <u>Johns Hospital</u>, <u>Baltimore</u> 5.<u>Brigham and Women's Hospital</u>, <u>Boston</u> 6 <u>Duke University Medical</u>



Over 98% have Philips ultrasound systems

35 Rush-Presbyterian-St. Luke's Medical Center, Chicago 36 St. Luke's Hospital, Bethlehem, Pa. 37 Sentara Norfolk General Hospital, Norfolk, Va. 38 St. Vincent Hospital and Health Center, Indianapolis 39 Howard University Hospital, Washington 40 Cedars-Sinai Medical Center, Los Angeles 41 Sinai Hospital of Baltimore 42 Spectrum Health, Grand Rapids, Mich. 43 North Shore University Hospital, Manhasset, N.Y. 44 Washington Hospital Center, 45 Mary Hitchcock Memorial Hospital, Lebanon, N.H. 46 Georgetown University Hospital, Washington, D.C. 47 Christiana Care Health System, Wilmington, Delaware 48 Christ Hospital, Cincinnati 49 St. Thomas Hospital, Nashville 50 Lankenau Hospital, Wynnewood, Pa.





The Foundation for Continued Success

A key ingredient for Ultrasound: close collaboration with Philips Research





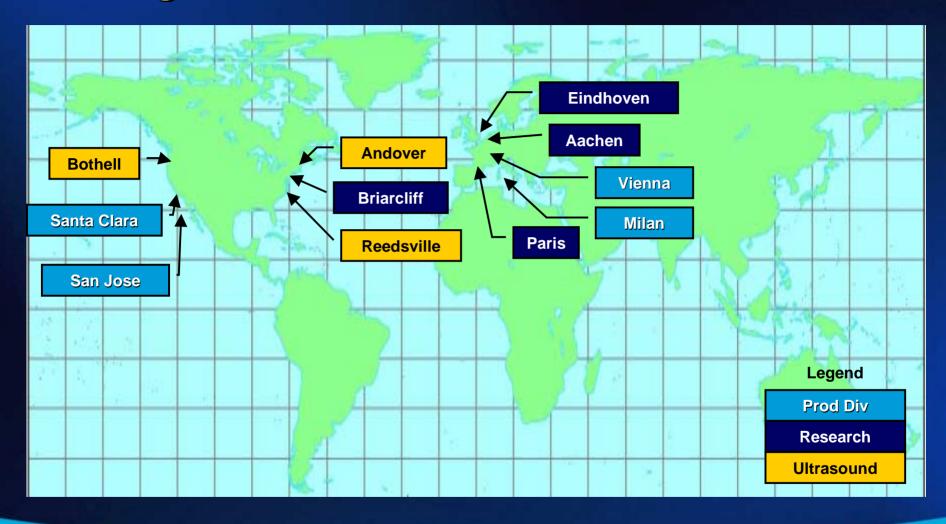
Ultrasound Leadership and Philips Research

- Further 3D visualization improvements for cardiology and general imaging
- Image processing improvements
- Dedicated body part imaging
- Materials development on new transducers
- Structured reporting
- Quantification for cardiology and general imaging





Utilizing worldwide resources





Summary

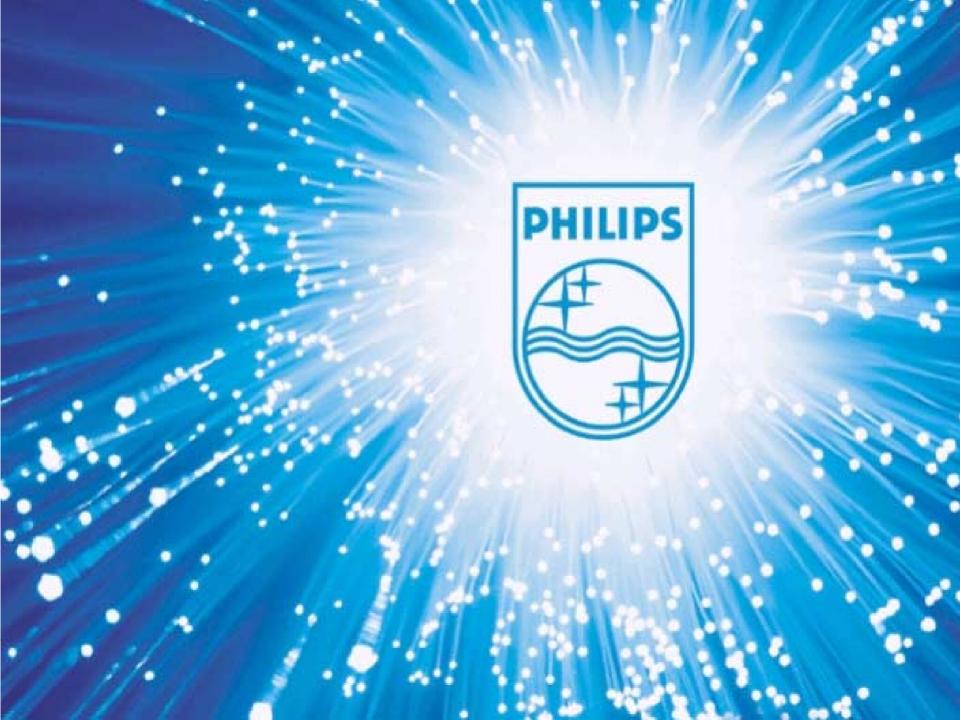


An Exceptional Future

- Philips Ultrasound is the market leader with a strong offering
- We have dedicated focus on the greatest areas of future opportunity - the mid-range and new applications
- Our partnership with Philips Research means continued, rapid innovation that makes a clinical difference







2000 WW Ultrasound Clinical Segments

