The CIRS series of ultrasound phantoms, unlike human subjects or random scarable materials, offer a reliable medium which contains specific, known test objects. The CIRS line of ultrasound phantoms enables repeatable, qualitative assessment of ultrasound scanner performance over time.

The Model 042 is constructed from a proprietary urethane matrix, housed within a rigid PVC container with three separate scanning windows. It allows for depth of penetration, uniformity, distance calibration, resolution and lesion detectability assessment. The Model 042 is sold with a four year warranty, user manual and carry case.

**Features:**
- Linear response in the diagnostic frequency range
- Can be molded into any shape (custom manufacturing)
- Mimics calcaneus bone
- Proven construction
- Known material properties permit phantom to be used as a calibration tool with various QUS systems

### Gray Scale Ultrasound Phantom

**Model 047**
Evaluate resolving power as a function of depth, size and contrast.

The Gray Scale Ultrasound Phantom is a single simple tool to assess resolution of masses varying in size, depth and contrast. This is a new design using proven, patented materials to permit rapid visualization of gray scale resolution power at continuous depths from 1 to 12 cm. The Model 047 is usable on all diagnostic ultrasound machines allowing user evaluation of gray scale sensitivity with a wide range of transducer frequencies. This phantom is an entity with a wide range of transducer sizes, depths and contrast. This is a single simple tool to assess resolution of masses varying in size, depth and contrast.

**Model 063**
Tissue Equivalent Calibration Standard

The Model 063 QUS Phantom provides a linear response of Broadband Ultrasound Attenuation (BUA) in the diagnostic frequency range for assessment of bone quality.

**Features:**
- Known material properties permit phantom to be used as a calibration tool with various QUS systems

### Urethane Ultrasound Phantom

**Model 042**
Three scan-surfaces

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**Features:**
- Linear response in the diagnostic frequency range
- Can be molded into any shape (custom manufacturing)
- Mimics calcaneus bone
- Proven construction
- Known material properties permit phantom to be used as a calibration tool with various QUS systems

### Quantitative Ultrasound Phantom

**Model 043**
Accurately simulates 16 physiological and test waveforms

The CIRS Model 043 Doppler String Phantom is an essential tool for people who work with Doppler Ultrasound. The crystal controlled motor accurately generates sixteen pre-programmed waveforms using advanced string target technology. Since the speed is adjusted 1000 times every second, you know it’s precise and repeatable.

The Model 043 can be set for use with water or velocity-corrected fluid. If you’re using water, it adjusts the string speed accordingly so the different speed of sound in water won’t affect your tests. And unlike fluid-flow phantoms, the target never changes; you know what your test results should be every-time.

All CIRS Ultrasound phantoms, including the Model 043, are sold with a user manual and a rugged carry case. Additional options include custom programming of special waveforms.

### Doppler String Phantom

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All CIRS Ultrasound phantoms, including the Model 043, are sold with a user manual and a rugged carry case. Additional options include custom programming of special waveforms.

### Scrotal Ultrasound Training Phantom

**Model 043**
Anatomically accurate phantom

Testicular ultrasound is the primary imaging method for evaluating disorders of the testicles caused by cystic and solid masses, trauma, inflammation and torsion. Testicular ultrasound is also used to evaluate causes of infertility and locate undescended testicles.

The CIRS Model 504 Scrotal Ultrasound Training Phantom provides an anatomically accurate phantom for hands-on training on testicular ultrasound exams without the need for live volunteers. The phantom allows students to gain valuable practice time in a non-stressful setting.

**Features:**
- Teaching tool for diagnostic scanning of the testicles
- Anatomically accurate model of penis, scrotum, testicles and epididymis
- Intratesticular mass
- Internal and external anatomical landmarks

### Female Ultrasound Training Pelvis

**Model 044**
External and internal anatomical landmarks

The Female Ultrasound Training Pelvis creates a relaxed learning environment for teaching and developing ultrasound examination skills and techniques as well as demonstrating 3D ultrasound capabilities.

**Features:**
- External Anatomy
- Abdominal and Vaginal Scanning Access
- Uterus with endometrium and myometrium
- Ovary with Follicles
- Full Bladder
- Rectal landmarks

### Testicular Ultrasound Phantom

**Model 042**
Three scan-surfaces

The CIRS series of ultrasound phantoms, unlike human subjects or random scarable materials, offer a reliable medium which contains specific, known test objects. The CIRS line of ultrasound phantoms enables repeatable, qualitative assessment of ultrasound scanner performance over time.

The Model 042 is constructed from a proprietary urethane matrix, housed within a rigid PVC container with three separate scanning windows. It allows for depth of penetration, uniformity, distance calibration, resolution and lesion detectability assessment. The Model 042 is sold with a four year warranty, user manual and carry case.

**Features:**
- Linear response in the diagnostic frequency range
- Can be molded into any shape (custom manufacturing)
- Mimics calcaneus bone
- Proven construction
- Known material properties permit phantom to be used as a calibration tool with various QUS systems

### Quantitative Ultrasound Phantom

**Model 063**
Tissue Equivalent Calibration Standard

The Model 063 QUS Phantom provides a linear response of Broadband Ultrasound Attenuation (BUA) in the diagnostic frequency range for assessment of bone quality.

**Features:**
- Known material properties permit phantom to be used as a calibration tool with various QUS systems

### Doppler String Phantom

**Model 043**
Accurately simulates 16 physiological and test waveforms

The CIRS Model 043 Doppler String Phantom is an essential tool for people who work with Doppler Ultrasound. The crystal controlled motor accurately generates sixteen pre-programmed waveforms using advanced string target technology. Since the speed is adjusted 1000 times every second, you know it’s precise and repeatable.

The Model 043 can be set for use with water or velocity-corrected fluid. If you’re using water, it adjusts the string speed accordingly so the different speed of sound in water won’t affect your tests. And unlike fluid-flow phantoms, the target never changes; you know what your test results should be every-time.

All CIRS Ultrasound phantoms, including the Model 043, are sold with a user manual and a rugged carry case. Additional options include custom programming of special waveforms.

### Scrotal Ultrasound Training Phantom

**Model 054**
Testicular ultrasound is the primary imaging method for evaluating disorders of the testicles caused by cystic and solid masses, trauma, inflammation and torsion. Testicular ultrasound is also used to evaluate causes of infertility and locate undescended testicles.

The CIRS Model 504 Scrotal Ultrasound Training Phantom provides an anatomically accurate phantom for hands-on training on testicular ultrasound exams without the need for live volunteers. The phantom allows students to gain valuable practice time in a non-stressful setting.

**Features:**
- Teaching tool for diagnostic scanning of the testicles
- Anatomically accurate model of penis, scrotum, testicles and epididymis
- Intratesticular mass
- Internal and external anatomical landmarks

### Female Ultrasound Training Pelvis

**Model 044**
External and internal anatomical landmarks

The Female Ultrasound Training Pelvis creates a relaxed learning environment for teaching and developing ultrasound examination skills and techniques as well as demonstrating 3D ultrasound capabilities.

**Features:**
- External Anatomy
- Abdominal and Vaginal Scanning Access
- Uterus with endometrium and myometrium
- Ovary with Follicles
- Full Bladder
- Rectal landmarks