Improving and simplifying healthcare.
One patient at a time.

About Us
Xoran Technologies is the innovator and market leader in compact, specialized medical CT scanners. Xoran is a customer-focused medical imaging company passionate about bringing fresh, common sense solutions to patient care.

Founded in 2001 and headquartered in Ann Arbor, Michigan USA, Xoran develops innovative point-of-care and intraoperative CT solutions for ENT and Allergy applications.

Access to images
Access to Images is now better and faster than ever
- MiniCAT Viewing Stations
- XoranConnect
- DICOM compatibility with 3rd party applications
- Customer DICOM viewer can be included on CD or USB
- DICOM Push to IGS
- HTML, JPEG, PDF or Print
- Shared folder exports in any format accessible from any computer or network

What’s New
The MiniCAT is now available with the following features:
- Carbon Fiber Head Holder
- Faster acquisition times (10 to 20 seconds)
- Faster reconstruction times (25 seconds)
- Shorter frame, lighter color
- MiniCAT Viewing Stations

About the MiniCAT™
The Xoran MiniCAT™ is a compact, upright volume computed tomography system designed for high-resolution, bone window imaging of the sinuses, temporal bones, and skull base. MiniCAT™ provides immediate access to images at the patient’s point-of-care resulting in a faster diagnosis and treatment.

Users will enjoy a fully featured software suite complete with protocols for imaging both the sinuses and temporal bones. Image output has never been easier with various file formats such as DICOM, as well as presets to choose from. The MiniCAT™ offers options to set-up complete custom image output and print templates. Our software is also compatible with major PACS and IGS systems.
MiniCAT™ performs a complete acquisition and reconstruction in less than 25 seconds with slices as small as 0.3 mm for temporal bone. These reconstructed images yield superb image quality allowing physicians to examine the most intricate anatomy in finite detail.

**Resolution**

MiniCAT™ performs a complete acquisition and reconstruction in less than 25 seconds with slices as small as 0.3 mm for temporal bone. These reconstructed images yield superb image quality allowing physicians to examine the most intricate anatomy in finite detail.

**Fully Featured**

MiniCAT™ software features high-definition spatial resolution images with slices as thin as 0.3 mm for temporal bones and 0.4 mm for sinuses. Users have the ability to examine images in a variety of different views and utilize a powerful suite of tools to manipulate, annotate, and export images in a variety of formats.

<table>
<thead>
<tr>
<th>Output Protocol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print Selected Images</td>
<td>Prints the images in the Selected Images window in a customizable layout. The default image layout is 3 rows by 2 columns.</td>
</tr>
<tr>
<td>Export to DICOM</td>
<td>Burns specified images (i.e. Axial, Coronal and/or Sagittal) onto a CD USB flash drive, or shared folder for use with compatible DICOM viewer.</td>
</tr>
<tr>
<td>Export to HTML</td>
<td>Exports a Xoran study in HTML format, viewable on any computer with a browser such as Internet Explorer.</td>
</tr>
<tr>
<td>Export to JPEG</td>
<td>Exports a Xoran study in JPEG picture format.</td>
</tr>
<tr>
<td>Modify Image Output</td>
<td>Image output protocols can be modified and customized to meet your needs</td>
</tr>
<tr>
<td>DICOM Push</td>
<td>Allows a study to be uploaded to a DICOM server such as a PACS system. Call Xoran Customer Service to help set this up.</td>
</tr>
</tbody>
</table>
A MiniCAT™ sinus scan has lower radiation dose than sinus scans by a full-body conventional CT scanner.*

Xoran designed MiniCAT™ according to the ALARA principle (As Low As Reasonably Achievable).

Xoran’s innovative technology optimizes x-ray efficiency, minimizing the radiation dose to the patient while providing unprecedented, high-resolution images of the sinuses, skull base and temporal bones.


“You cannot have a conversation about image quality without having a conversation about dose.”

Predrag Sukovic, Ph.D.
Co-Founder
Xoran Technologies, Inc.

Field of View

When a view of the paranasal sinuses is necessary, but a reduction of dose is also important, the MiniCAT allows both without compromise. The MiniCAT is capable of reducing dose for every sinus protocol while maintaining the same field of view necessary for paranasal sinus evaluation and compatibility with IGS. This is especially important for pediatric patients or adults that require follow-up CT scans.
Access to images has never been easier.

**XoranConnect®**

One connection, many solutions

**What is XoranConnect®?**
XoranConnect® is a HIPAA compliant web-based service designed to complement MiniCAT™. The service provides online viewing, off-site archival and backup of images, and easy access for both physician and patient.

**XoranConnect® aligns with IAC accreditation requirements**
XoranConnect® meets the IAC CT Accreditation requirements for back-up storage of your CT scans and internal QA review.

**Online Viewing**
XoranConnect® features a fully functional online viewer. You can easily access images remotely via a compatible PC, or obtain a second opinion from a colleague, regardless of their geographic location. XoranConnect® allows for joint interpretation, peer review, internal quality assurance review and off-site radiologist evaluation.

**File Sharing**
You can view CT scans from any compatible PC, review reports or add notes. CT scans can be shared with a colleague. Multiple physicians can access the same case and communicate notes or reports.

**Off-site Storage and Backup**
XoranConnect® transfers patient studies via an encrypted link to ensure the confidentiality of patient information. Patient history, report notes and key images are retained. Your new scans will be sent automatically and daily to Xoran’s secure, off-site data storage facility. With off-site backup, your scans are protected from catastrophic loss, such as electrical surges, power outages, computer failures, data corruption and viruses.

**HIPAA Compliant**
XoranConnect® safely archives your data to prevent lost or damaged patient information. In the event that patient studies stored on your computer are lost or damaged, the database can be restored quickly and easily.
MiniCAT Viewing Stations

Advantages include:

• Immediate access to scans anywhere in the office
• Local area network connectivity
• Image Output, including DICOM push from any computer on your network
• Improved MiniCAT interface

Viewing Stations

MiniCAT Viewing Stations allow users to access their MiniCAT software and patient CT database from any compatible computer on their local area network. Physicians and staff have the ability to export studies as well as modify window level, use image selection tool, make annotations and perform other available image manipulation operations. Scans are available immediately after the reconstruction, which further streamlines the office workflow.
### Clinical Acquisition Protocols

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Tube Voltage</th>
<th>Tube Current</th>
<th>Pulse Length</th>
<th>Number of Frames</th>
<th>Exposure</th>
<th>Scan Time</th>
<th>Default Reconstruction Protocol</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sinus 20s (600)</td>
<td>120 kVp</td>
<td>7 mA</td>
<td>11.5 ms</td>
<td>600</td>
<td>48.30 mAs</td>
<td>20 s</td>
<td>Smooth (400x400 0.4, 0.4, f1)</td>
</tr>
<tr>
<td>Sinus 10s (300)</td>
<td>120 kVp</td>
<td>7 mA</td>
<td>11.5 ms</td>
<td>300</td>
<td>24.15 mAs</td>
<td>10 s</td>
<td>Smooth (400x400 0.4, 0.4, f1)</td>
</tr>
<tr>
<td>Sinus 10s (150)</td>
<td>120 kVp</td>
<td>7 mA</td>
<td>11.5 ms</td>
<td>150</td>
<td>12.08 mAs</td>
<td>10 s</td>
<td>Smooth (400x400 0.4, 0.4, f1)</td>
</tr>
<tr>
<td>T Bone 20s (600)</td>
<td>125 kVp</td>
<td>7 mA</td>
<td>14 ms</td>
<td>600</td>
<td>58.80 mAs</td>
<td>20 s</td>
<td>Sharp (536x536 0.3, 0.3, f0)</td>
</tr>
</tbody>
</table>

### General Information

- **System Dimensions**: 40 in. L x 36 in. W x 67 in. H (102 cm x 91 cm x 170 cm)
- **Recommended Room Size**: 8 ft. x 10 ft. (2.44 m x 3.05 m)
- **Weight**: 450 lbs. (204 kg)
- **Internet Connectivity**: High speed connection is required for service / maintenance

### Electrical Power Requirements

<table>
<thead>
<tr>
<th>Region</th>
<th>Line Voltage*</th>
<th>Line Frequency</th>
<th>Line Current</th>
<th>Main Circuit Breaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Europe</td>
<td>~220-240 V</td>
<td>50-60 Hz</td>
<td>2.5 A Standby</td>
<td>5 A Max</td>
</tr>
<tr>
<td>USA</td>
<td>~115 V</td>
<td>50-60 Hz</td>
<td>5 A Standby</td>
<td>10 A Max</td>
</tr>
</tbody>
</table>

### MK-1 Carbon Fiber Head Holder

- Premium-grade carbon fiber head holder designed to mitigate patient motion.
- Rigid, radiolucent design
- Compatible with forehead straps for IG5 registration
- Foam wedges and optional head strap help control patient motion
- Reversible neck pad for adult and child positions

### Common CPT® codes*

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>70480</td>
<td>Temporal Bone Scan - Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material.</td>
</tr>
<tr>
<td>70486</td>
<td>Sinus Scan - Computed tomography, maxillofacial area, without contrast material.</td>
</tr>
<tr>
<td>76380</td>
<td>Limited or localized follow study - Computed tomography</td>
</tr>
</tbody>
</table>

* This is not an extensive list nor should it be the only source. CPT® of the American Medical Association. Definitions provided by the American Medical Association. Copyright © American Medical Association.

For more information, email info@xorantech.com or call 800-709-6726.