“We replaced 99% of our film inspection with Vidisco systems, taking about 11,000 images a year... Our operator can reach anywhere he is called and be done in 30 minutes...”

Karsten Sander, Meyer Werft

World Leading Portable X-Ray Solutions

Vidisco Ltd., since 1988, designs and manufactures innovative technology for portable x-ray systems, along with a line of accessories to meet the demands of various field use challenges.

Vidisco leads the user-oriented design with its software, hardware and overall system configuration, reliability in the field, ease of use and top quality imaging capabilities.

Vidisco’s portable x-ray inspection systems provide solutions with proven field use record for many years, by hundreds of users around the world in oil and gas, electricity and power generation, shipyards, aerospace, construction, laboratories, metals and casting, museums and more.

Vidisco systems are currently being used in over 70 countries as they offer the operator safe control from a distance, quick setup and prompt results, ability to work with any x-ray or gamma source, and a variety of accessories for making the operator’s work easier.

We at Vidisco strive to make the most innovative, useful technology accessible to anyone, while providing users with safe, reliable, high-value products and services.
Portable Digital X-Ray Systems

Variety of Flat Panel Imagers
Interchangeable // Top Quality Images // Various Sizes & Features

Variety of Portable X-Ray Units and Accessories
Wireless Options // System Can Work with Any X-Ray/Gamma Source

Rugged Case
Fully Portable Single Carrying Case // Alternatives Optional

On-site Immediate Results

- Portable, Battery Operated and Field Ready
- Exceptional Image Quality, Images upon Request
- Low Dose & Exposure Times for Increased Safety
- Plug & Play: Interchangeable DDAs
- Wireless Mode for Setup Flexibility

Oil & Gas
Aerospace
Shipyards
Universities & Schools
Construction
Metals & Casting
Pipes & Welds
Labs & Engineering
Electricity & Power Generation
Art
Solutions

Aerospace
Vidisco’s digital radiography systems enable considerable savings of time and money while maintaining the quality and quantity of images required for aerospace inspections. Thus becoming a popular choice for engineering, QC or maintenance departments, inspecting blades, composite materials and more...

High resolution images ensure meeting the constantly evolving standards’ detection requirements. Digital storage reduces the environmental impact of RT and allows easy saving and retrieving of digital images. The DDAs sensitivity minimizes the required dose and exposure time – making this a pragmatic, safe solution.

Oil & Gas
Vidisco, a world leading pioneer in portable, digital x-ray systems, is able to offer unique solutions based on years of proven field experience for the oil and gas industry.

Our systems are in use, world wide, for pipe inspections – welds, erosion/corrosion, wall thickness etc... As well as in a variety of QC or maintenance projects and challenging environments (-20 to 40c possible). With Vidisco’s digital radiography systems pipes’ RT is improved in many aspects including reduced dose levels and shutdown areas. Get on-site, immediate results, eliminating speculations and repeating tests.

Construction
Vidisco offers a unique package for construction and infrastructure radiographic inspections, with a large digital Imager, and a lightweight, portable x-ray source strong enough to get through more than 10” of concrete. This system has proven abilities with locating rebars, cracks, conduits, pipes and more before drilling, coring etc... also verifying rebars size according to engineering requirements. On-site, immediate results makes it a popular choice for building and construction projects as well as for bridges, towers, railroads and more.

Shipyards
Vidisco operates in the world of Shipyards, with popular use by top manufacturing and maintenance facilities, making QC on ship hull welds, pipe welds, installations etc... fast, easy and cost-efficient, while also providing maintenance solutions. This solution is fully portable and durable - perfect for the challenges of a shipyard.

With the same system you can work anywhere, fast and with minimal shut-down area and time. Receiving immediate results and archiving on the spot guarantees minimal time is invested in post shooting procedures and aids the shipyard in making quick ‘go-no go’ decisions.
Metals & Casting
With Vidisco’s systems inspection of defects under the surface is made cost-effective and simple. Applications range from aluminum castings in industries such as automotive, to steel turbine blades for aerospace or injection molded plastic parts, to name a few. This portable, digital solution can serve in various stages, including engineering, production and QC. Defects such as shrinkage cavities, cracks, gas, inclusions etc., are clearly seen on the spot and significant cost saving for safety critical casting is possible when switching from consumable films.

Electricity & Power Generation
Vidisco offers a unique package for electricity and power generation needs, including the compact, lightweight BoltX Pro, or ultra thin RayzorX Pro. These systems have vast proven abilities in RT for power lines’ QC, installation, maintenance – voids, sleeve alignments, clamps, soldering, core cracks and more. Also applicable on power line junctions, wind turbines, nuclear facilities (pipes) and more. Enjoy digital radiography at its best – this fine resolution solution provides instant results to make “go-no go” decisions while weight and size keep the system user-friendly and optimal for any challenge.

Labs, Arts, Schools and more...
Vidisco’s systems service a wide variety of needs, including the world of arts, engineering labs, soldering and NDT schools, research universities, forensics labs, munition inspections and many more...
The unique attributes of our systems make them a versatile tool for almost any radiography requirement, depending on the specific needs of the application. With the wide variety of imagers, compatibility with any x-ray/gamma source and uniquely designed accessories – Vidisco offers complete solutions for any radiography need.

The NDT Service Provider’s Dream Package
Vidisco offers a unique package for busy service providers who need an all inclusive, stable and complete DDA solution to answer versatile requirements. With a two imagers combination package – the finest results in a wide array of possible projects become easier than ever to achieve.
With this package you ensure top flexibility on-site and can apply the technology in a variety of projects.
### Specifications

<table>
<thead>
<tr>
<th>Imager Size (h,w,d)</th>
<th>Imaging Area</th>
<th>Imager Weight</th>
<th>Sensor Type</th>
<th>Grey Levels</th>
<th>Pixel Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alpha Pro</td>
<td>459x383x15.6 mm (~15x13x0.6&quot;)</td>
<td>430x350 mm (~14x11&quot;)</td>
<td>3 Kg (~6.6bs)</td>
<td>Amorphous Silicon (a-Si)</td>
<td>16 bit (65,536 grey levels)</td>
</tr>
<tr>
<td>FlashPro</td>
<td>466x488x25.5 mm (~18.3x19.2x1&quot;)</td>
<td>422x342 mm (~13.5x11&quot;)</td>
<td>4.8 Kg (~10.6bs)</td>
<td>Amorphous Silicon (a-Si)</td>
<td>16 bit (65,536 grey levels)</td>
</tr>
<tr>
<td>SpanPro</td>
<td>320x385x18 mm (~15.1x12.5x0.7&quot;)</td>
<td>325x260 mm (~12.7x10.2&quot;)</td>
<td>3.3 Kg (~7.2bs)</td>
<td>Amorphous Silicon (a-Si)</td>
<td>16 bit (65,536 grey levels)</td>
</tr>
<tr>
<td>RayzonePro</td>
<td>360x530x13 mm (~14.2x20.5x0.5&quot;)</td>
<td>222x222 mm (~8.7x8.7&quot;)</td>
<td>3.6 Kg (~7.7bs)</td>
<td>Amorphous Silicon (a-Si)</td>
<td>14 bit (16,384 grey levels)</td>
</tr>
<tr>
<td>BoltPro</td>
<td>195x125x35 mm (~7.6x4.9x1.3&quot;)</td>
<td>145x114 mm (~5.7x4.5&quot;)</td>
<td>1.5 Kg (~3.3bs)</td>
<td>CMOS Digital Detector Array (DDA)</td>
<td>14 bit (16,384 grey levels)</td>
</tr>
</tbody>
</table>

### Complete, All-Inclusive System Packages

Vidisco systems come as an all-inclusive, unique package, offering all elements an operator requires for on-site work: your choice of flat panel imager, rugged case, light-weight, portable x-ray source (pulsed) on demand, laptop with operating system and complimentary accessories where applicable such as:

- protective cover,
- tripod mount,
- cable extensions etc...

Also, a full, proprietary imaging software suite – all features included,

extended warranty where applicable, spare cables and more!

Vidisco system packages offer the most extensive, results-oriented and cost-efficient portable DDA packages available.

Try us: ndt@vidisco.com

*Specifications subject to change without notice*
Complete System Packages

**Cases & Backpacks**

Transport all system components easily and securely. Work cable or wireless from the same case. Room for XRS-3 portable X-ray source (or smaller) available. Also possible to receive in -20° Celsius (-4°F) configuration; additional carry-on cases may be available for easy transportation; as well as a chaser configuration – an additional imager to an existing system.

**Computers**

Every operator’s needs are unique, therefore Vidisco has made available three types of computers for controlling and operating the system: rugged toughbook, standard laptop and rugged tablet which is especially customized for powerful, comfortable field work.

**Sliders - Larger Imaging Area**

The Sliders allow you to get 4 times the imaging size in just one approach and one x-ray command. It is a self-standing, battery free, wireless solution. The images appear in just seconds giving the end user a ready tiled image. Available for RayzorX Pro, Spark Pro and FlashX Pro.

**Covers & Holders**

We know it’s the little things that go a long way when out in the field, so we designed a variety of aids to make work easier: a variety of panel covers, filter jackets, various holders for imagers and WiFi modules, tripod accessories and more...

**Cables & Reels**

If you choose to work wired, you can deploy any length needed up to 200m with the SmartX150, or go shorter with our regular or extension cables. All cables are designed to last and hold strong with silicon spheres for safeguarding the main reel’s connectors and top quality lemo connectors throughout the system.

**Coming Soon**

Vidisco is constantly striving to improve on its technological solutions, and the way technology serves the end-user and the business. In accessories this means lighter peripheral equipment, smarter covers, a tailored accessories package for each solution and new, unique inventions to make the operator’s work simpler and safer.

**Vidisco**

Vidisco offers a range of WiFi accessories to free the operator from any cable use. Combined with wireless imagers, it is now possible to go completely cable-free. Reliability and stability for long distances or constructed areas is made possible with the newly designed, unique and compact High Power WiFiX. Accessories include source wireless x-ray and panel-computer wireless communications.
Automatic Calibrations
Vidisco's software automated many processes for the operator, including panel calibrations, measurement calibrations etc... Work with simple wizards or one-click tools for all your calibration requirements with the proprietary NDT software.
- Calibration wizard
- Imagers quality information
- Measurement calibrations

Statistics and Line Profile
With a wide variety of Region of Interest Statistics and a Line Profile graph tool – all the information you require for analyzing and reporting is a click away: easy SNR calculation, a quick BSR verification, pixel intensity line, measurement calibrations and more.

Image Mosaic Tools
With Vidisco's Stitching tools you can create a mosaic (tiled) image to easily present the larger picture. A new tool coming soon will enable either manual or automatic stitching, both vertically and horizontally – no more limitations!

Specialized Tools
Based on Vidisco’s years of specialized software development for NDT needs, a few unique tools have been developed to take advantage of the digital image: automatic Wall Thickness measurements, Normalized SNR calculation, CNR tool, material thickness calculation, Ball Set Calibration, Bad Pixel Map viewing and many more.

Variety of High Pass Filters
The Vidisco software comes with three unique Filters, each designed for a different type of requirement. You can choose to apply a Refining Filter for sharpening thin elements such as wires, a Revelation Filter for subtle defects such as thin cracks; or the tried and true Detection Filter for exposing defects in a variety of materials.

Supporting International Standards
Vidisco's portable digital radiography (DR) systems support the operator in fulfilling industry standards, both European and American, such as the relevant sections of: ASTM E2622-05, ASME Boiler and Pressure Vessel Code Section V, ISO 17636-2 and more.
**Alpha Pro**

A new 43*35 cm (14*17’’) DDA with ultra fast communications and a lightweight, rugged design. The Alpha will join the product family as a fine addition to those in need of a top-quality large imaging area Imager, at an excellent price-performance value.

**Pro - Jacket New Filter Cover**

Vidisco continues to design systems based on real users’ feedback from its years and years of field experience. The latest Pro-Jacket cover design answers a variety of real-life challenges: easing the grip of a panel with 10 possible holding points, improving the mechanical strength and preventing slips on smooth surfaces. At the same time the cover is designed for easy filter placement, and avoiding issues existing in other covers such as scatter and material pattern appearing in the image, as well as dirt and dust accumulation on the cover.

**Filter Kit**

A matching filter kit, especially selected and designed to fit Vidisco’s products, including the new Pro-Jacket cover. The filters are an integral part of the NDT operator’s workflow, and now Vidisco can offer a complete, custom solution, saving you the process of seeking the correct materials and managing the thickness, size etc. Get a ready made, tailored filter kit on demand.

**VEO Lite version**

The new proprietary software by Vidisco is available to NDT users in its Lite version. Enjoy an intuitive, touch software with all the basic features needed for on-site work and making go/no-go decisions. Also, as a bonus it will include the new and unique mosaic tool - unlimited horizontal and vertical grid, the most advanced grid based mosaic tool to date!

**New Case**

Vidisco will be introducing a new rugged case designed around the operator’s needs on the job. A lighter, smaller rugged case with a variety of features such as a pull-away work station that can be strapped on, a single and incredibly small communication interface box (ComBox) and a user-friendly, comfortable cable reel as well as new, durable connectors for the overall system.

**New BoltXPro**

Vidisco is continuously innovating and bringing in the next generation technology. The new version of the BoltX Pro to come will include significant enhancements for resolution and capabilities with a 50μm pixels resolution and frame rate enabling real-time options.

**Filter Kit**

A matching filter kit, especially selected and designed to fit Vidisco’s products, including the new Pro-Jacket cover. The filters are an integral part of the NDT operator’s workflow, and now Vidisco can offer a complete, custom solution, saving you the process of seeking the correct materials and managing the thickness, size etc. Get a ready made, tailored filter kit on demand.

**Coming soon**

**All specifications subject to change**
What Can We Do For You?

**Demo**
Get a system demo at your location, with Vidisco’s worldwide network of local distributors

**Sample Test**
Send a sample for testing and see the results you can get working with Vidisco’s systems and accessories

**Evaluation**
Ask for professional evaluation of your application and an analysis of the best configuration for you

**Official Quote**
Ask for an official quote from our sales team: ndt@vidisco.com

Contact us at: ndt@vidisco.com; www.vidisco.com