

The Leaders in Portable X-Ray Systems

Laboratory II System



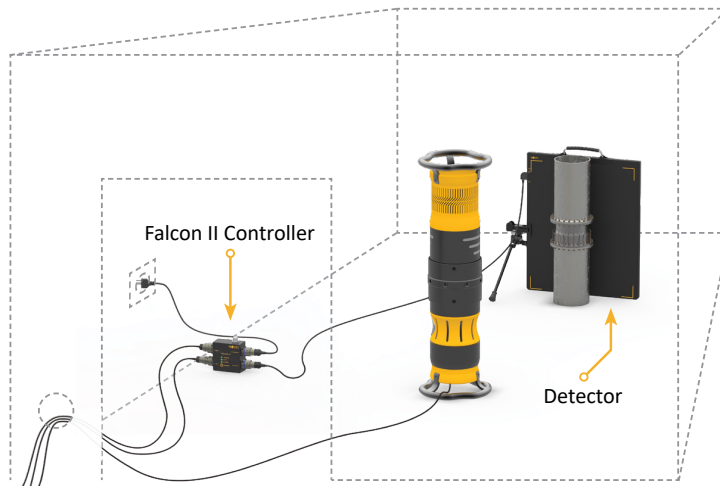
Stationary System - Perfect for X-ray Labs and Cabinets

- Various Detector options
- Industrial X-ray Source control
- Wired operation
- Includes NOVO Touch Pro full Software package
- MIL-DTL 38999 connectors

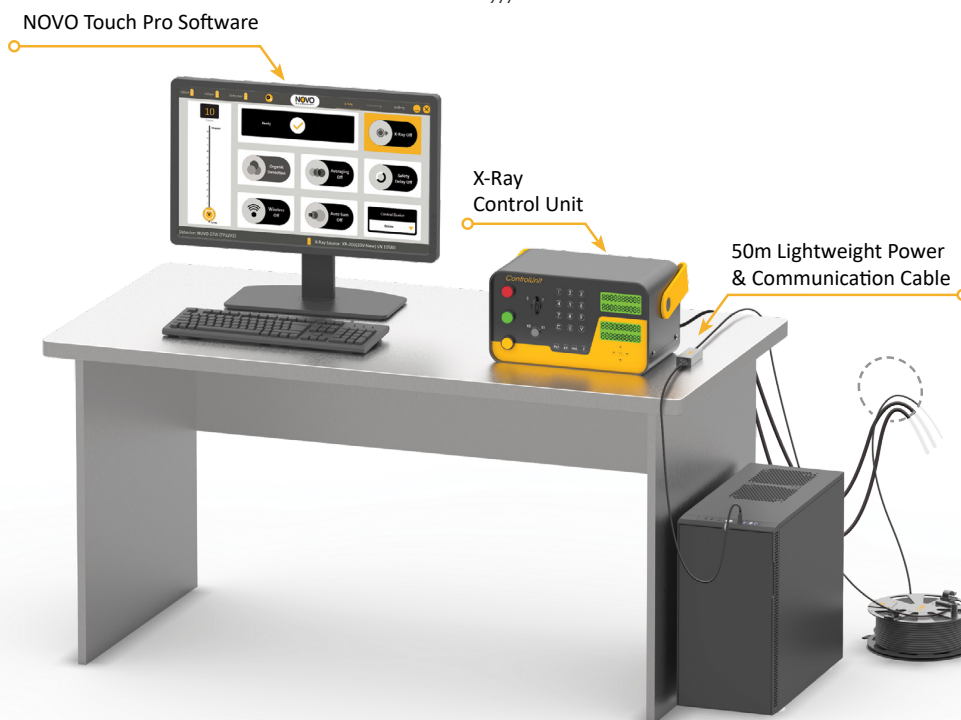
System Overview



Bunker/Cabinet/X-Ray Room



Control Room



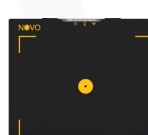
Available with
10BN/18BN/12HRN/15WN/22WN Detectors



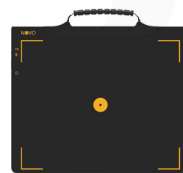
NOVO 10BN Bendable



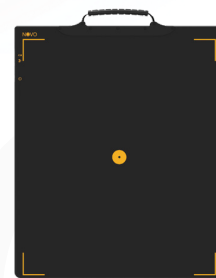
NOVO 18BN Bendable



NOVO 12HRN



NOVO 15WN



NOVO 22WN

* Maximal Cable length 100m

NOVO Touch Pro Software

Key Software Features

- GENIE - one touch enhancement
 - Auto Wall Thickness calibration and measurement
 - Auto Basic Spatial Resolution (SRb calculator)
 - Pixel map
 - Line Profile
 - DWT (Double Wall Thickness Technique)
 - Manual & automatic image stitching
 - Averaging (frame integration)
 - Image statistics
 - 1600% zoom
 - Annotations - text, highlight, arrows, etc.
 - International standards support: ISO17636-2, ASME Section V
- and many more....



Detector Options

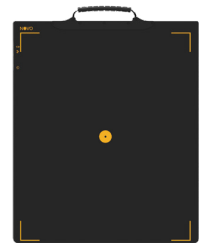
- Internally shielded - long life span
- High radiation resistance
- Low internal scattering- higher image quality



NOVO 12HRN
5.3 lbs. (2.4kg)



NOVO 15WN
5.3 lbs. (2.4kg)



NOVO 22WN
9.4 lbs. (4.3kg)

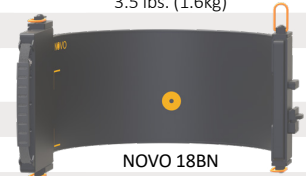
Detector Model	NOVO 12HRN	NOVO 15WN	NOVO 22WN
Detector Imaging Area	6.8" x 9.0" (17.3cm x 22.9cm)	9.1" x 11.2" (23.1cm x 28.4cm)	14.0" x 16.8" (35.6cm x 42.7cm)
Active Area (Imaging Area / Detector Size)	74% Active Area	74% Active Area	85% Active Area
Detector Weight (Including Battery)	5.3 lbs. (2.4kg)	5.3 lbs. (2.4kg)	9.4 lbs. (4.3kg)
Detector Load Proof	660 lbs. (300kg)	660 lbs. (300kg)	660 lbs. (300kg)
Detector Drop Test	27.5" (70cm)	20" (50cm)	20" (50cm)
Detector Thickness	1.1" (27.5mm)	0.6" (15.6mm)	0.6" (15.6mm)
Bit Depth	16 bit latest generation		
Life Span	Over 100K rem*		

NOVO 10/18BN Bendable Detectors

Detector Model	NOVO 18BN Bendable Detector	NOVO 10BN Bendable Detector
Pixel size	99 microns	99 microns
Net Weight	Sensor: 3.9 lbs. (1.8kg) Electronics Unit: 2.6 lbs. (1.2kg)	Sensor: 3.5 lbs. (1.6kg) Electronics Unit: 2.6 lbs. (1.2kg)
Load Tolerance	220.5 lbs. (100kg)	220.5 lbs. (100kg)
Detector Imaging Area	16.33" X 3.82" (415mm X 97mm) 4184 X 981 pixels	9.8" X 3.8" (227mm X 98mm) 2299 X 988 pixels
Size	Sensor: 24.42" X 7.2" (620mm X 182mm) Electronics Unit: 9.8" X 7.4" (250mm X 188mm)	Sensor: 17.4" X 7.2" (443mm X 182mm) Electronics Unit: 9.8" X 7.4" (250mm X 188mm)
Drop Test	29.5" (75cm)	29.5" (75cm)
Thickness	Sensor: 0.85" (21.5mm) Electronics Unit: 4.72" (120mm)	Sensor: 0.85" (21.5mm) Electronics Unit: 0.8" (20mm)
Bit Depth	16bit	16bit
Life Span	Over 100K rem*	Over 100K rem*
Bending	From flat to 12" diameter (~300mm)	From flat to 6" diameter (~150mm)



NOVO 10BN
3.5 lbs. (1.6kg)



NOVO 18BN
3.9 lbs. (1.8kg)

* Over 100K rem of direct exposure on the detector

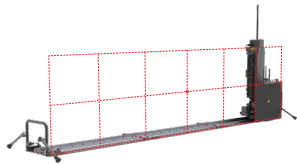
Accessories



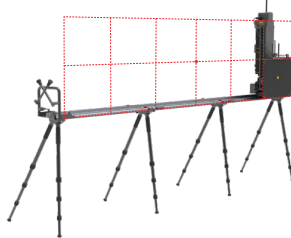
Supporting NOVO Mesh Technology

Folding Slider L

Ideal for screening large objects

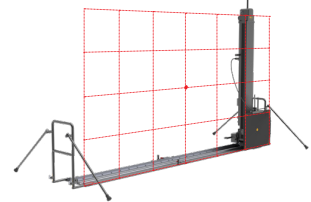


Elevated Mode



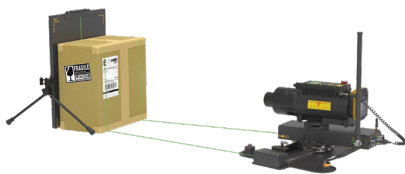
Folding Slider XXL

Super sized, ideal for screening XXL objects



3D Arc Mesh

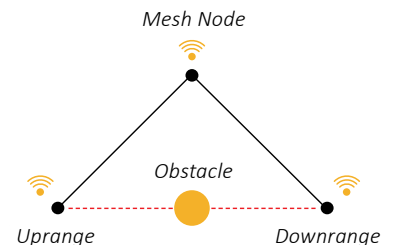
3D automated imaging with exact X, Y, Z measurements



Additional Ranger Mesh Node



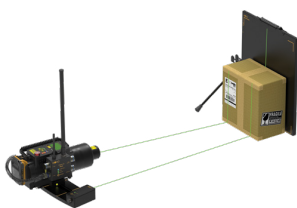
Multiple Nodes allow for working "around corners", obstacles and subterranean operations.



Additional Accessories

3D Arc Lite

Small 3D Imaging with exact X, Y, Z measurements



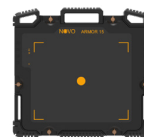
Extension Cables

Available at 50m, 100m and 150m for a total of 300m



Protective Casing

Armor



Soft Cover



Diagonal Tripod Mount

Firmly holds 12/15/22" detectors and provides various positioning options



Lookout

Organic detection, live Video & Audio



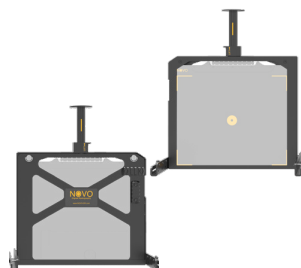
Wireless X-Ray

Enables control of X-Ray sources without an X-Ray sync cable



Robot Detector Frame

Lightweight, shock absorbing



Robot C-Arm

Detector and X-Ray Holder

