

The Leaders in Portable X-Ray Systems

NOVO 10BN / 18BN Bendable Detectors

NOVO DR's first Bendable Detectors are ground breaking in their field. Using NOVO's outstanding technology, they bring a true innovation to the market

NOVO 10BN



NOVO 18BN



Innovative Top of the Line Technology

- Bendable from flat to 6" / 12" diameter
- Thin & Light: Can be positioned in tight places
- High resolution: 99 microns, ISO17636-2 Class B from 4mm and upwards
- Compatible with NOVO's previous generation systems
- Imaging can be done from both sides of the detector

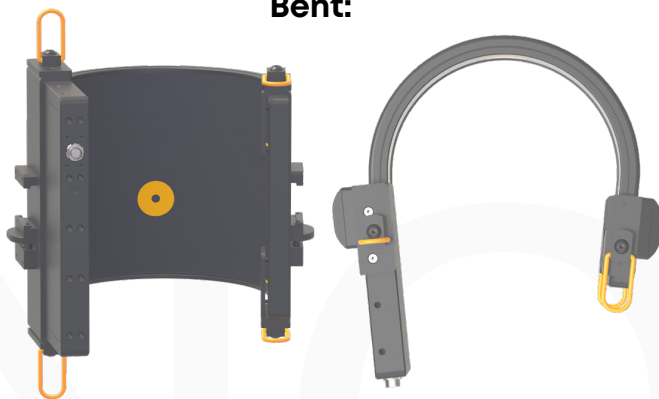
NOVO 10BN Bendable Detector



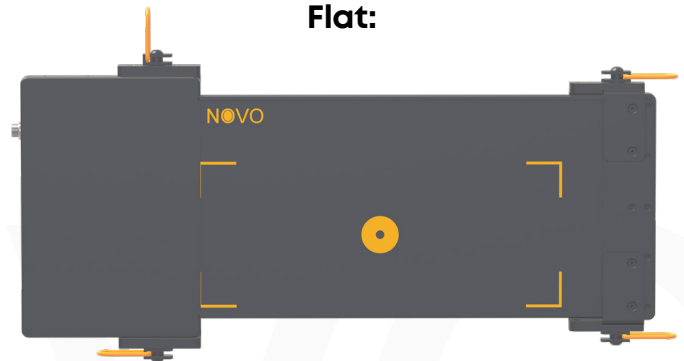
- Bendable from flat to 6" diameter (DN150)
- Thin & Light: Can be positioned in tight places
- High resolution: 99 microns, ISO17636-2 Class B from 4mm and upwards
- Compatible with NOVO's previous generation systems
- Imaging can be done from both sides of the detector

Can be used in two modes:

Bent:



Flat:

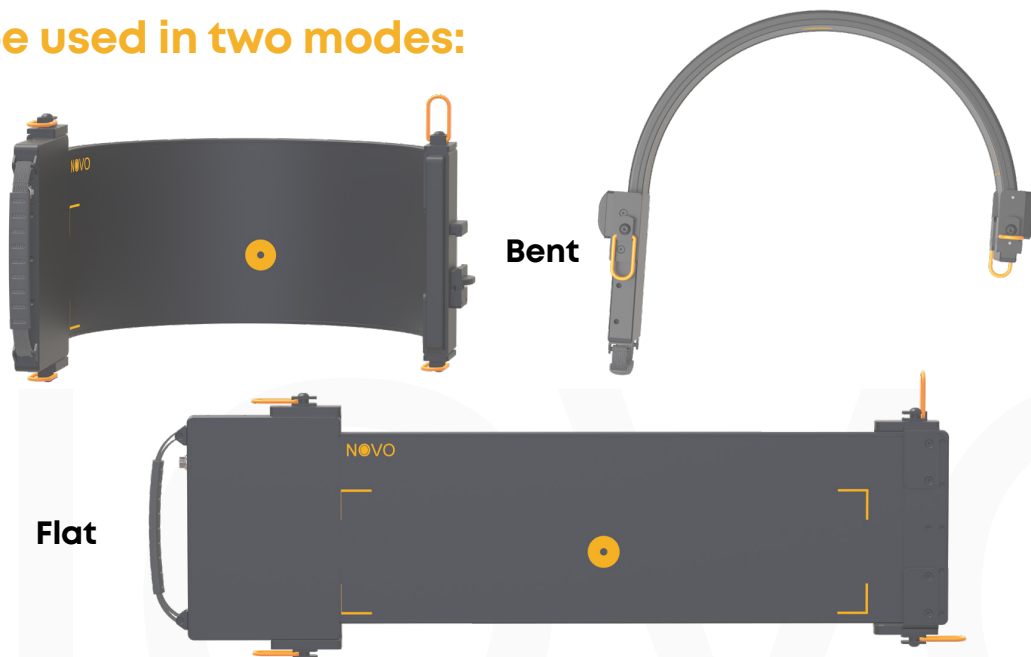


NOVO 18BN Bendable Detector



- Bendable from flat to 12" diameter (DN300)
- Thin & Light: Can be positioned in tight places
- High resolution: 99 microns, ISO17636-2 Class B from 4mm and upwards
- Compatible with NOVO's previous generation systems
- Imaging can be done from both sides of the detector

Can be used in two modes:



Technical Specifications

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)

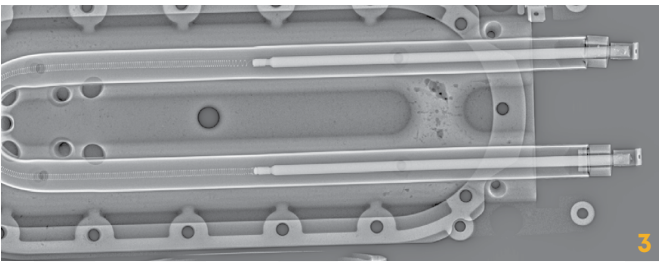
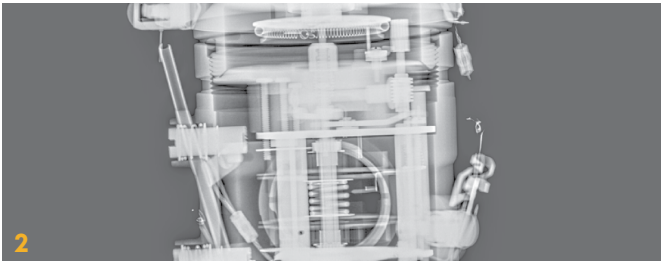
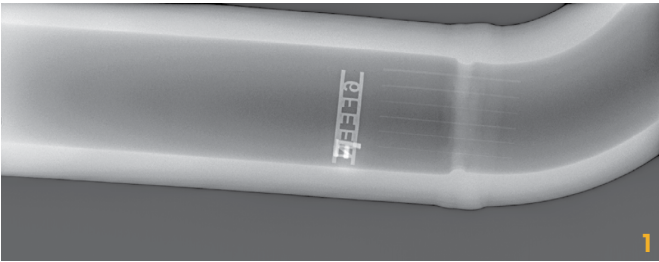
* Over 100K rem of direct exposure on the detector

System includes Proprietary Bendable mount:

- Saves Set-up time
- Maintains curvature for repeatable positioning
- Prevents over-flexing
- Includes standard Tripod Adaptor
- Additional mounting points (for use with spring cables, straps etc.)

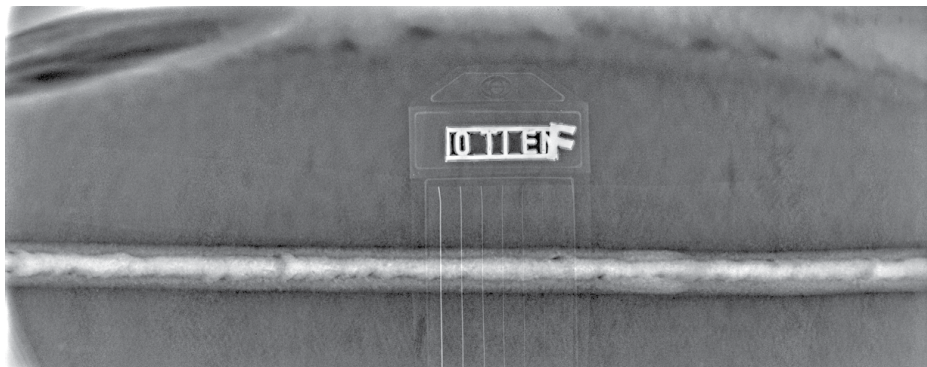
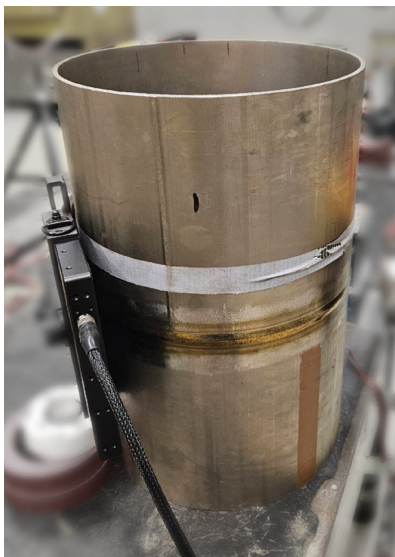


Images

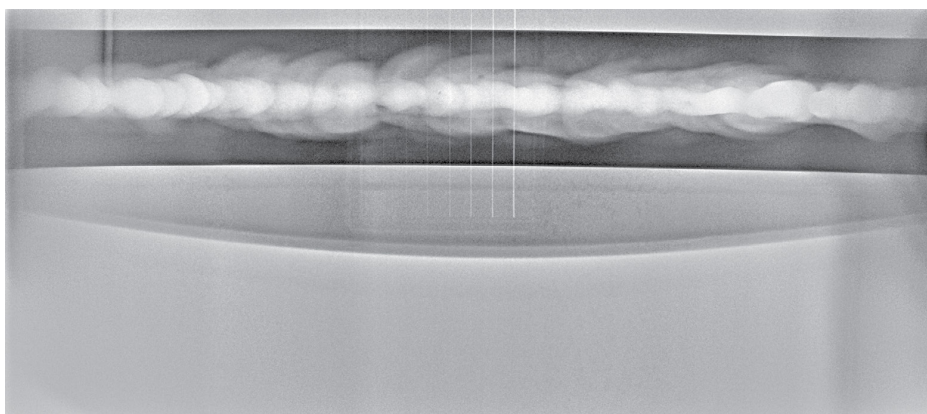


1. 2 inch pipe, 11mm wall thickness, shot with Ir 192
2. Fuse, shot with XRS4
3. Filament within Casting, Shot with YXLON ECO200DS

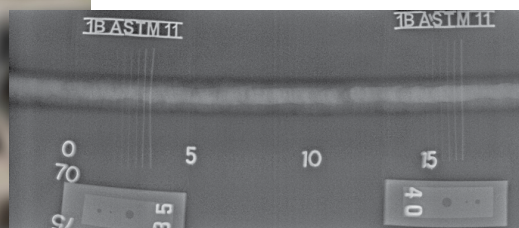
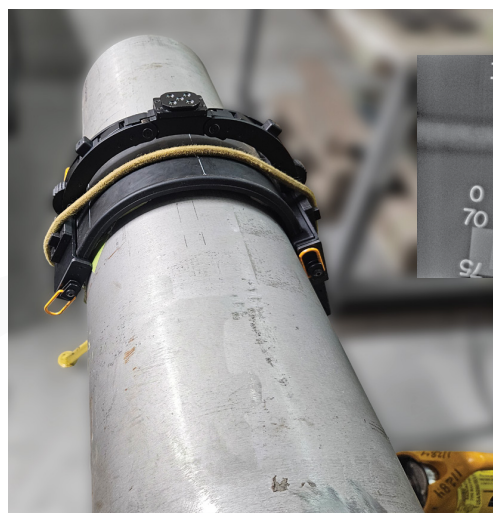
Images



11 inch titanium pipe, 4.2mm wall thickness



6 inch steel pipe, 6mm wall thickness, shot with YXLON ECO200DS



8 inch sch100 Pipe, 15mm wall thickness, Ir192, 55ci, 3 seconds exposure time

Discovery III System



Top of the Line System in a Rugged Pelican Case

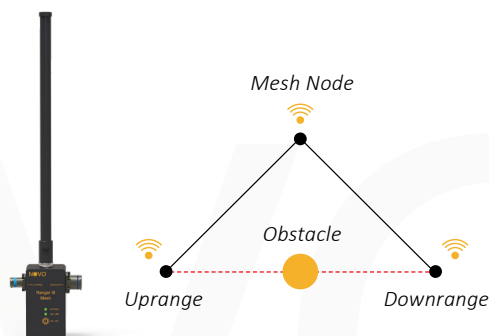
- NOVO 10 BN Bendable Detector
- Wired & wireless operation modes
- 21.5" 1500 NIT Sun-Readable touch tablet
- Super Long Range Wireless Mesh technology
- MIL-DTL 38999 connectors
- Supports multi-tablet control & display
- Includes NOVO Touch Pro full Software package
- Controls & Syncs with Industrial X-Ray Sources



NOVO Wireless Mesh Technology

Unique technology providing unmatched wireless performance:

- Up to 0.6 miles (1000m) LOS between wireless devices; longer range when elevating on tripods- up to 1.8 miles (3km)
- High signal stability in crowded RF environments, such as urban locations and areas with strong electromagnetic fields
- Multiple nodes allow for working "around corners", obstacles and underground operations
- Each wireless unit becomes a relay (repeater), which automatically connects and automatically relays wireless signals efficiently





The NOVO Touch Pro Software is a proprietary software developed in-house to provide the best user experience and functionality.



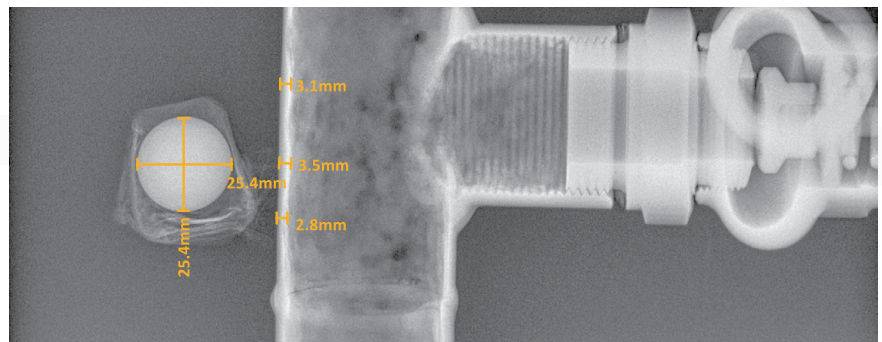
Line Profile

Y-axis: Intensity (53945, 45726, 37506, 29287, 21068, 12848)
 X-axis: Distance (Millimeters) (0.0, 13.6, 27.2, 40.9, 54.5, 68.1)

Peak Data:

Peak Label	Distance (mm)	Intensity	Percentage
D1	~10.5	~48000	98%
D2	~13.5	~47000	96%
D3	~20.5	~46000	93%
D4	~24.5	~45000	90%
D5	~28.5	~43000	84%
D6	~33.5	~41000	75%
D7	~38.5	~39000	64%
D8	~44.5	~36000	43%
D9	~50.5	~33000	19%
D10	~55.5	~30000	1%

Auto Wall Thickness



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Portable Digital Radiography Systems

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