







IDVIZ REVOLVER 80

The efficient dual view panoramic scan camera head for fast remote visual inspections of pipe and tube wall and orbital welding

Reduce costs of ownership and inspection time with better inspection results by using the INVIZ® Revolver 80 dual view and revolving camera head.



















Archive











:: FAST INSPECTION RESULTS

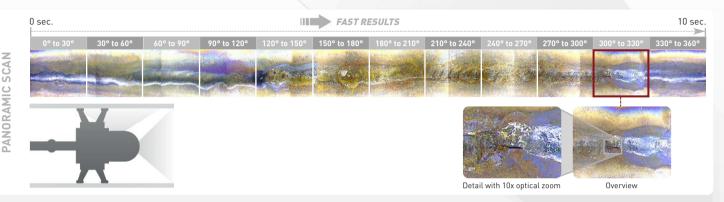
Benefit from information of 360° panorama panning shots with endless rotation.

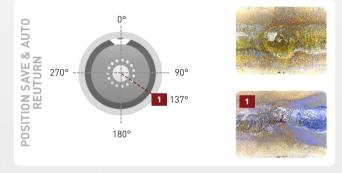
:: EXCELLENT REPRODUCIBLE IMAGING

Search and focus always from the tube centre. Survey quickly your whole orbital weld with a wide angle view. Find rapid and secure relevant deviations. Get maximal detail even from greater distance with the 10x optical zoom function.

:: REDUCE INSPECTION TIME & COSTS

Using the forward viewing camera, the inspection target is easy to locate and reach. The centring device with connected push rod is keeping the camera in the tube centre. Image settings are in the right setting and focus at any time during a panoramic scan. No typical force, wear and tear or image offset known from other technologies. Instead you gain precise camera control with the motorised scan and stop functionality. Save search and inspection time, reduce equipment maintenance costs while improving inspection results.





FAST OVERVIEW WITH PANORAMIC SCAN OF ENDLESS 360° ROTATION

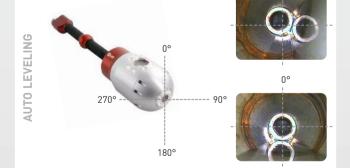
- :: Controlled by the joystick or following a predefined software scan mode, the side view camera is revolving 360° endlessly, ensuring 100% orbital weld or tube wall panorama inspections.
- :: No detail is missed. On the tip of your finger you zoom onto the smallest detail from the remotest areas with the impressive 10x optical and additional electronically zoom.
- :: A high resolution forward view camera is offering excellent sight and orientation within your application.
- :: The powerful dual illumination technology is delivering homogenous automatic or manual illumination, even in big dark cavities. A user defined left/right level functionality maximizes the potential failure contrast also on shiny and reflective surfaces such as coated or electro polished food grade tubes.

POSITION SAVE SCAN & AUTO RETURN

:: Specific camera positions can be saved and recalled. If used, the camera automatically returns precisely to positions of interest. The auto Run & Scan function is ensuring the systematic outright containment wall inspection. Camera positions can be displayed and recorded.

AUTO LEVELING FUNCTION

:: Orientation and image interpretation are easy now. Orientation during remote visual inspection after a view twists and turns is difficult. If there is no specific geometry or water level, up/down left or right orientation will be lost. Manoeuvering the instrument, interpretation of the image and securing full inspection can become a nightmare. The INVIZ® Revolver 80 auto level function solves all. It keeps your camera in an upright 0° position. That resets the orientation and ensures a precise inspection staring point. Equipment handling and image interpretation is easy. It reduces inspection time, user and equipment fatigue and therewith cost. Longitudinal weld seam inspections are seamless.



DOCUMENTATION PLATFORM See The Second Secon

BENEFIT WITH THE INVIZ® REVOLVER 80 FROM THE INVIZ® MATRIX INSPECTION & DOCUMENTATION PLATFORM

Simply connect the single camera head cable to the INVIZ® MATRIX SNK / INVIZ® Revolver 80 docking bay interface. The MATRIX software will recognize your Revolver 80 automatically and offer a fantastic portfolio of features and capabilities setting new standards in the industry. The camera image is shown in unique quality and high resolution. System operation is controlled by the integrated joystick and easy touch screen interface. The image and video documentation quality of the INVIZ® MATRIX system will elevate your work to the highest standard. Other alternative remote visual equipment perhaps needed to complete the full inspection will connect to the same system. The INVIZ® MATRIX platform is offering many additional useful capabilities and time advantages while just using one remote visual inspection solution. Find more details and all about those additional benefits by visiting our webpage or contact simply our representative for a product presentation.

			INVIZ® F	Revolver 80		
Camera head						
	(W) 409 / 16.10" x Ø 79 / 3.11"					
Weight	1.2 kg (2.6 lbs)					
	Anodized aluminium					
Resolution	Side view camera: 530 lines Front view camera: (H) 752 x (V) 582 pixel, light sensitive, FOV: 70° Camera moduls toggle					
	Side view camera: 10x optical / 12x digital zoom (FOV range: 4.6° to 46°)					
Iris & shutter	Manual and automatic					
	2 x 4 ultra-bright LED illumination for side module (manual / auto) 15 x ultra-bright LED illumination for front module (auto)					
Panoramic scan	Endless 360° rotation Digital control Rotation speed: 0.1° to 90° / sec. Self-levelling automatic keeps the camera head in upright position (positioning dependent to earth-gravitation)					
	3 m / 9.8 ft. to 50 m / 164 ft. (optional up to 200 m / 640 ft.)					
Operating Environment						
Temperature			-10°C (15°F) to 50°C (12	20°F), recommended rang	e	
Watertight	Up to 1.5 m (5 ft.) depth of water					
Accessories			<u> </u>			
Option camera head case	The robust, mobile storage and transportation case fitting one INVIZ® Revolver 80 and one INVIZ® SNK camera head. Dimensions in mm / inch: (W) 415 / 16.34" x (H) 465 / 18.31" x (D) 190 / 7.48" Weight: 3.25 kg / 7.16 lbs, transport case for inspection cameras INVIZ® SNK / INVIZ® Revolver 80.					
Option accessory soft pack	The soft bag has a defined interior to hold loose camera cable up to 50 m (164 ft.). There is space for accessories such as centring device and tools needed. The practical shoulder strap makes it easy to transport freeing up hands. Accessory soft pack including: Standard main cable soft bag (up to 50 m / 164 ft.).					
Option slip ring cable reel	The practical reel is to be used if the camera cable length exceeds 50 m. Just unwind as much cable as needed while operating. The cable on the reel helps cable handling and the workspace clear of tripping hazards. The drum integrated electronics amplify and drive camera and power up to 200 m (640 ft.) cable length.					Tour O
	The centring ring material and shape are creating minimal friction when pushing the camera inside a pipe. It holds the camera head in central position allowing fast orbital inspection without the hassle to reset image settings and focus options. The recommended min. pipe dimensions are 100 mm (3.94") to max. 200 mm (7.87"). Material POM.					
Option centring trolley medium	This centring tool is used inside medium size pipes. The adjustment range of the tool is 140 mm (5.51") to 210 mm (8.27"). It keeps the camera off the ground and eases inspection when centred. Six plastic wheels ensure low operation friction when pushing the system inside the pipe. Construction: aluminium. The recommended min. pipe dimensions are 145 mm (5.70"), to max. 400 mm (15.74").					
Option centring trolley large	This tool is to be used with the INVIZ® Revolver 80 camera head inside big size pipes. The adjustment range of the tool is 225 mm (8.86") to 540 mm (21.25"). It positions the revolving camera in the centre of the pipe. Six strong plastic wheels ease the operation and friction. The recommended min. pipe dimensions are 230 mm (9.05"), to max. 1.000 mm (39.37"). Construction: aluminium.					
	fast connectors. Soft, m		rade rods help pushing th	ne camera over great wor	simply connect with 10 mm king distances and around rtation hands free is easy.	
Option connectable push rods	agiit radiuses. Op to twe					
Option connectable push rods		ith the fast mount and to th	ne camera head or alternat	tively to the centring trollo	v Different sets of working	
Option connectable push rods	The fibre rod connects w			tively to the centring trolle	y. Different sets of working	
Option connectable push rods	The fibre rod connects w length and stiffness are	available. Following dimer	nsions are available:			9
Option connectable push rods	The fibre rod connects w			tively to the centring trolle Weight	y. Different sets of working Other	
	The fibre rod connects w length and stiffness are	available. Following dimer	nsions are available:			
Option endless pushing fibre	The fibre rod connects w length and stiffness are	available. Following dimer Fibre size	nsions are available: Length	Weight	Other	
	The fibre rod connects w length and stiffness are Type PE coated	available. Following dimer Fibre size 6 mm / 0.23"	Length 30 m / 98 ft.	Weight 6.8 kg / 14.99 lbs	Other Reel in steel	
Option connectable push rods Option endless pushing fibre on a reel	The fibre rod connects w length and stiffness are Type PE coated PE coated	available. Following dimer Fibre size 6 mm / 0.23" 6 mm / 0.23" 9 mm / 0.35"	Length 30 m / 98 ft. 50 m / 164 ft.	Weight 6.8 kg / 14.99 lbs 7.8 kg / 17.19 lbs 12 kg / 26.45 lbs	Other Reel in steel Reel in steel	
	The fibre rod connects w length and stiffness are Type PE coated PE coated PE coated	available. Following dimer Fibre size 6 mm / 0.23" 6 mm / 0.23"	Length 30 m / 98 ft. 50 m / 164 ft.	Weight 6.8 kg / 14.99 lbs 7.8 kg / 17.19 lbs	Other Reel in steel Reel in steel Reel in steel	









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