

WRE THUNDER 3	WRE THUNDER 3	WRE THUNDER 3/T
	160 kV	160 kV
GENERAL / AXES		
Wheels dimensions range	4J x 13" to 11J x 22"	4J x 14" to 11J x 26"
Inspection item weight	50 kg	
Tilt angle beam	+45° / -35°	
Total number of axes	6 + CNC controlled - Driven by stepping motors	
Axes movements	Source / Sensor (Horizontal), Sensor (Vertical), Source / Sensor (Tilting), Wheel Rotation	
Axes speed	Up to 15 m/min	Up to 15 m/min
Loading time (image to image)	≤ 2,5 sec.	
RADIATION-SHIELDED CABINET	Self-contained lead+steel, movable by crane or forklift	
Dimensions (W × D × H)	2.900 x 2.000 x 2.000 mm	
Weight, approx.	4.500 kg	
Door type	Loading /offloading by pneumatic control	
Radiation Protection	The radiation shielding is designed to ensure a radiation leakage of less than 0,5 micro Sievert per hour	
8 inches FPD Detector		
Active area	200 × 200 mm	
Pixel size	200 μm ² - 400 μm ² (binning mode)	
Frame rate (14 bit ADC)	15 fps / 30 fps	
2530 FPD Detector (optional)		
Active area	249 x 302 mm	
Pixel size	139 μm ²	
Frame rate (16 bit ADC)	9 fps / 30 fps	
Imaging Options		
Image Processor	BHT IP Plus with HDI **Option: Extreme version with reference images functions	
AWI System	Automatic Wheel Identifier System	
ADR System	Visual Faris (Fully Automatic Radioscopic Inspection System)	
X-RAY EQUIPMENT		
X-ray tube	MXR 160/20 or MXR 160 HP	
Focal spot size	d=1.0/1.0 (EN12543) 0.4/0.4 (IEC 336) d=0.4/1.0 (EN12543) 0.15/0.4 (IEC 336)	
Power	800/1800W - 640/640W	
HIGH VOLTAGE GENERATOR	XRG160-.64 or XRG160-1.6 SI	
Input Power/Voltage	900W- 230VAC 2300W-230 VAC	
Output Voltage	20 ÷ 160kV – 20 ÷ 160kV	
Output Power	640W - 800/1600W	