UNICOMP : UNC450

เครื่อง X-Ray สำหรับงานอุตสาหกรรม

Ductile Iron NDT Real-time Imaging Industry X-ray Detector

Model : UNC450

เหมาะสำหรับ : การตรวจสอบหารอยพรุน, ฟองอากาศ, รอยแตก-หัก-บิ่น และข้อบกพร่องตามรอยเชื่อมต่อต่างๆ ในชิ้นงานที่เป็นเหล็กหล่อเหนียว เช่น สายพานโลหะ, ถังความดัน, วัสดุทนไฟ, ท่อหม้อไอน้ำเหล็ก เป็นต้น

Features

1. High reliable and long life,low breakdown
2. Hign definition and resolution FPD
3. C-arm fixture design enabling five-axis motion detection(optional automatic lift and descend)
4. Multi-functional workstation,360°rotation and shift
5. User friendly software design for easy interfacing can facilitate,customized software
6. Hign penetration,Voltage up to 450KV,Maximum peneration thickness up to 80mm for "Fe"
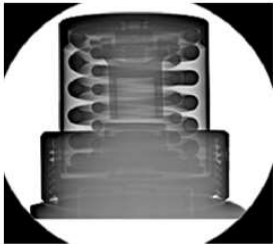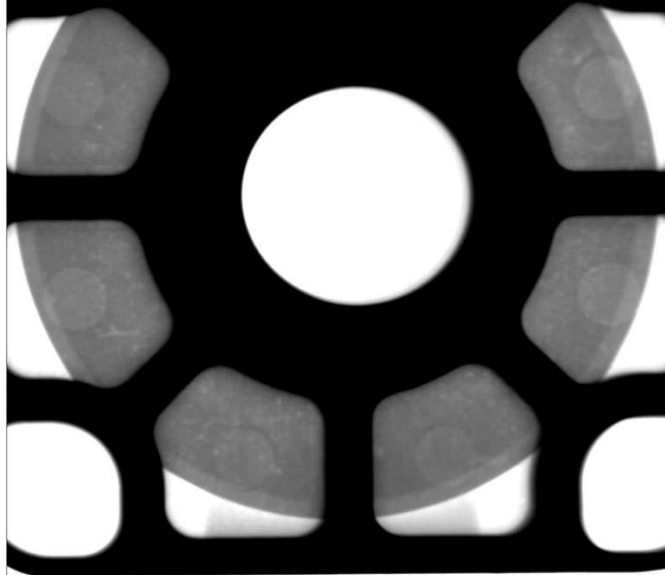7. Detection area:Φ500*800mm

Specification

System Parameters	Dimensions	2423mm*2294mm*2586mm（L*W*H）
	Equipment weight	18.65T
	Power	9KW
	Maximum penetration（FE）	60mm
	Detection range	Φ500*800mm
	Load weight	200 kgs.
	Work environment	5-40° ≤80%HR
	Install power	Three-phase five wire system AC380V
	X-ray leakage close rate	≤2.5uSv/h
X-ray Generator	Tube voltage	450kV
	Power	700W/1500W
	Focal size	0.4mm/1.0mm
Detector	Image area	215mm x 215mm
	Resolution	2.8LP/mm
Detector (Selection FPD)	Image area	250mm x 300mm
	Pixel matrix	1792mm*2176mm
	Pixel size	139μm
	Frame rate	9fps(1x1)30fps(2x2)
Software Functions	Image processing	Brightness and contrast adjustment; stacking frames; window width and level adjustment; image enhancement, filtering, sharpening, invert, relief and bubble measure; move, zoom in, zoom out; display image scaling; display the current mouse pointer image coordinate and the gray value
	Image measurement	Distance, radius, polygon, angle measurement; arrows and text labels; save the processed image;

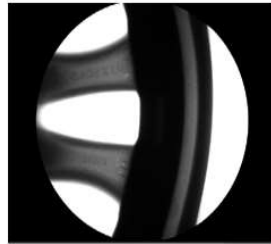|	Motion control	Setting the camera rotating screen; exposure time; static, dynamic image display and save, video display and save
Additional Function	Save the detection time of the bulk of the work piece via the CNC programmable control	
	No dead angle detection with C type arm five detection mechanism	
	Servo stepper motor drive to make the operation stability	
	Voltage regulator, isolation, filtering, grounding and other protective functions are complete	
	Set aside industrial cloud interface, data and pictures in real time upload, with traceability and large data analysis function (optional)	

Detection Image

Ductile Iron(inclusion)

SMT

Wheel

Auto part

Cast part

Machine Footprint