UNICOMP : UNC160

เครื่อง X-Ray สำหรับงานอุตสาหกรรม

Automotive Parts NDT Real-time Imaging X-ray Detector

Model : UNC160

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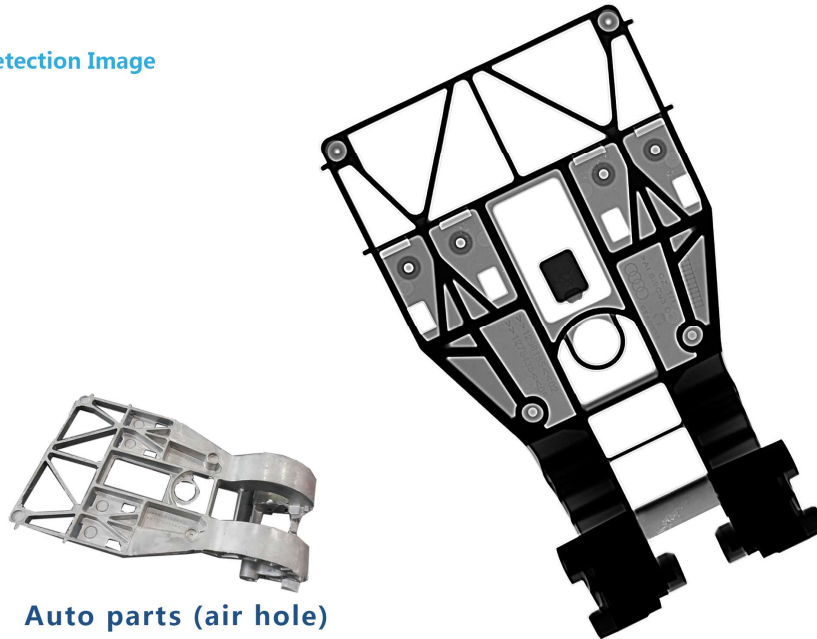
Features

1. Strong penetration,high reliable,low breakdown, long life
2. High definition,resolution FPD
3. Multi-functional workstation,360°rotation and shift
4. High automation,fast detection speed
5. User friendly software design for interfacing and to facilitate,customize software function development requirement.
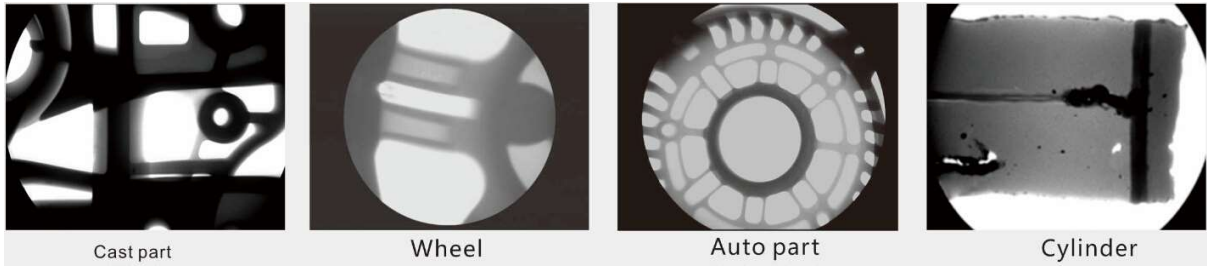
Specification

System Parameters	Dimensions	2100mm*1549mm*2468mm（L*W*H)
	Equipment weight	3.5T
	Power	6KW
	Maximum penetration (AL/FE)	100mm/20mm
	Detection range	Φ500*800mm
	Load weight	50kg
	Work environment	5-40° ≤80%HR
	Install power	Three-phase five wire system AC380V
	X-ray leakage dose rate	≤1uSv/h
X-ray Generator	Tube voltage	160kV
	Power	480W
	Focal size	0.5mm
Detector	Image area	145mm x 145mm
	Resolution	3.0LP/mm
Detector (Selection FPD)	Image area	17''x17''
	Pixel matrix	3072mm*3072mm
	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	Speed adjustment of each moving axis; CNC programming; manual operation

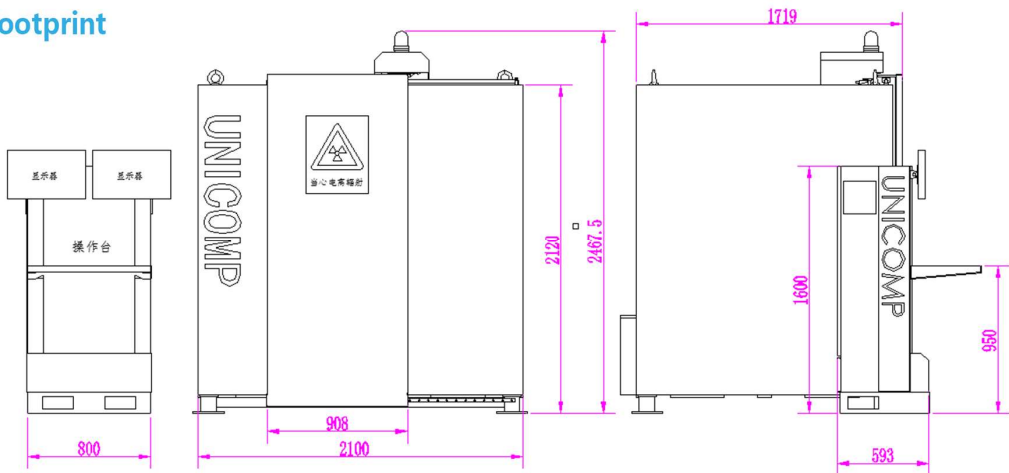| Additional Function	Save the detection time of the bulk of the work piece via the CNC programmable control
	No dead angle detection with C-arm five-axis motion detection mechanism
	Servo stepper motor drive to make the operation stability
	Voltage regulator, isolation, filtering, grounding and other 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

Auto parts (air hole)

| Cast part | Wheel | Auto part | Cylinder |

Machine Footprint