

# UNICOMP : UNC130

เครื่อง X-Ray สำหรับงานอุตสาหกรรม

Precision Casting NDT Real-time Imaging X-ray Detector



## Model : UNC130

เหมาะสำหรับ : การตรวจสอบหารอยพรุน, ฟองอากาศ, รอยแตก-หัก-บิ่น และข้อบกพร่องต่างๆ ในชิ้นส่วนโลหะหล่อ เช่น ชิ้นส่วนรถยนต์, อุปกรณ์อิเล็กทรอนิกส์, ผลิตภัณฑ์พลาสติก, เซรามิก ฯลฯ

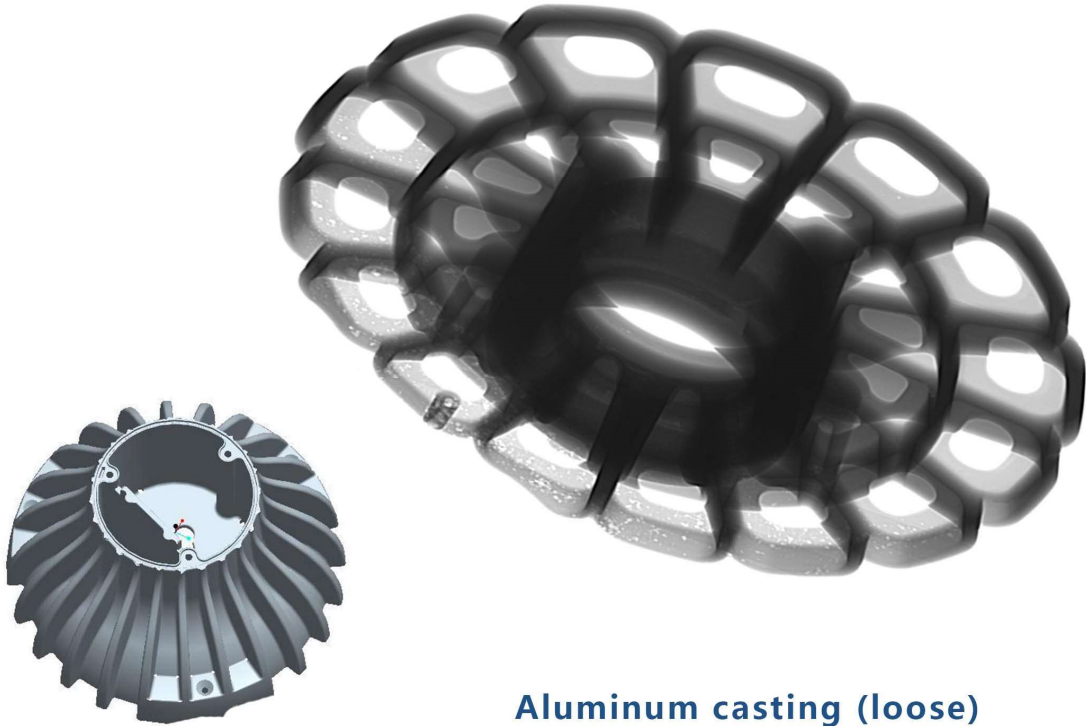
## Features

1. 130kV, 20 $\mu$ m X-ray tube, FPD
2. Multi-function workstation with 360°"ARC" motion and shift
3. C-arm fixture design enabling five-axis motion detection(Auto lift and descend)
4. User friendly software design for easy interfacing can facilitate, customized software
5. Max. detection area  $\Phi$ 300\*500mm.

## Specification

System Parameters	Dimensions	1602mm*1296mm*2148mm (L*W*H)
	Equipment weight	2T
	Power	5KW
	Maximum penetration(AL)	50mm
	Detection range	$\Phi$ 300*400mm
	Load weight	30kg
	Work environment	5-40° $\leq$ 80%HR
	Install power	AC220V $\pm$ 5% 50HZ
	X-ray leakage dose rate	$\leq$ 1uSv/h
X-ray Generator	Tube voltage	130kV
	Power	65W
	Focal size	5 $\mu$ m
Detector	Image area	115mm*65mm
	Pixel matrix	1536mm*864mm
	Pixel size	75 $\mu$ m
	Frame rate	60fps
Software Functions	Image processing	Brightness and contrast adjustment; stacking frames; window width and window position adjustment; image enhancement, filter, sharpening, invert, relief and bubble measure; move, zoom in, zoom out; display image scaling; display of the 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	High resolution, subtle defect recognition ability to upgrade with the imported 5um micro focus source
	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)



**Aluminum casting (loose)**

**Machine Footprint**

