

Operation Manual for Resolution Chart for Microfocus X-Ray CT Scanner

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JIMA RT CT-01

It is greatly appreciated your purchasing JIMA RT CT-01. Please read this operation manual well for proper usage and then, please preserve for future reference .

Appearance

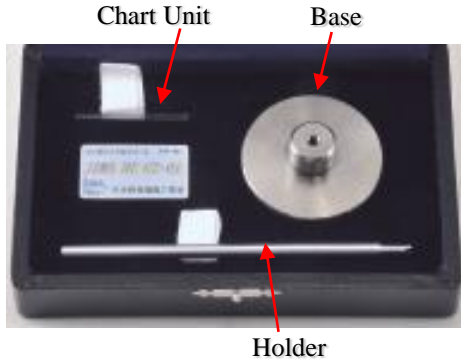
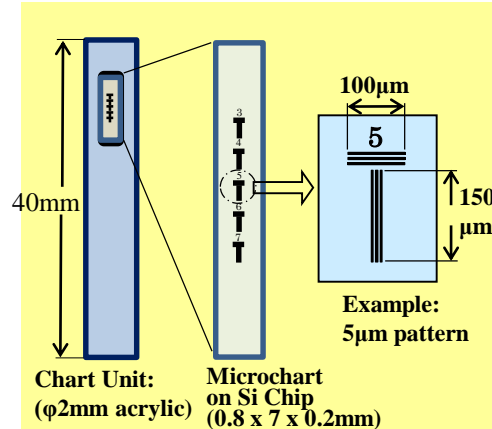
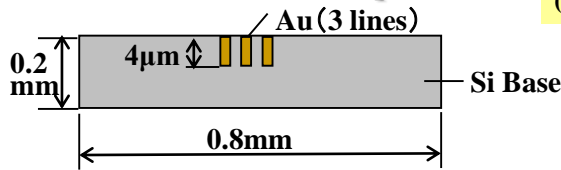


Chart Unit



Cross section of Si Chip



Usage

Holder and Base are included to be fixed in CT scanner if it is useful. Please try to find the best way to fix.

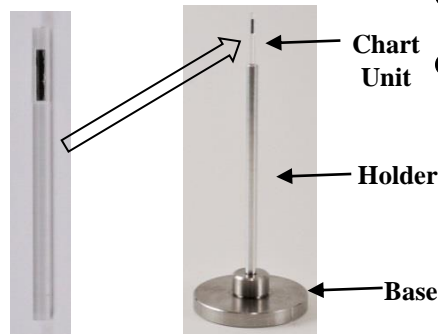


Chart Unit

Set up all

Notice of Operation

- The Resolution Chart is mounted on Si chip (0.8 x 7 mm, t=0.2 mm). Si chip is mounted in 2 mm dia. acrylic bar. The Chart thickness is only 4µm. Due to delicate construction, please avoid following handling not to damage it.
 - Do not afford pressure onto the Micro Chart.
 - Especially when Micro Chart is taken out from storage place.
 - Do not drop
 - Do not immerse in liquid nor chemical.
- When Chart Unit is fixed onto Holder, please adjust with tape if it is loose.
- Do not disassemble the aluminum holder at all.
 - The ability of the test sample cannot be maintained if disassembled.
 - Once disassembled, it is impossible to assemble again.
- This product will be supplied in an air-cushioned case. However, due to delicate precise construction, please handle with care not to put strong impact such as dropping even in the case.
- Please use under +10 degree C to +70 degree C ambience temperature.
- Please storage under controlled circumstances. Recommended range is Temperature 23 +/- 5 degree C, humidity: 50 +/- 10%
- Please use this products to maintain capability of X-Ray systems.
- This product cannot be measure line width after assembled nor cannot be re-certified.
- This product is a kind of expendable supply. It cannot be repaired nor re-assembled
- After receipt of goods, please check any outside damage and test with X-Ray without delay. We cannot accept any claim after one month from delivery. If any defect, we will replace it.
- X-Ray imaging software is different depend on manufacturer. The image might be reversed.
- The thickness of absorption material may be different at point to point. This may cause variation of shading in the image.

Specification

Chart Unit	Size (Acrylic)	φ2 x 40mm
	Si Chip	0.8x7x0.2mm
	Absorption Material	Gold (Au) Thickness >4µm
	Line	3 lines each (T shape layout)
	Line/ Space Size	3,4, 5, 6, 7µm
	Line/ Space Tolerance	+/- 10%
Holder	Size (Aluminum)	φ5 x 120mm
Base	Size (Stainless Steel)	φ49.5 x 19mm
Temp	Ambient OP Temp.	10°C ~ 70°C



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