

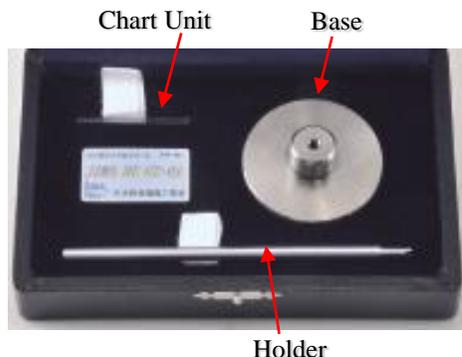
# Operation Manual for Resolution Chart for Microfocus X-Ray CT Scanner

Article #: JIMA-D023-R:2014

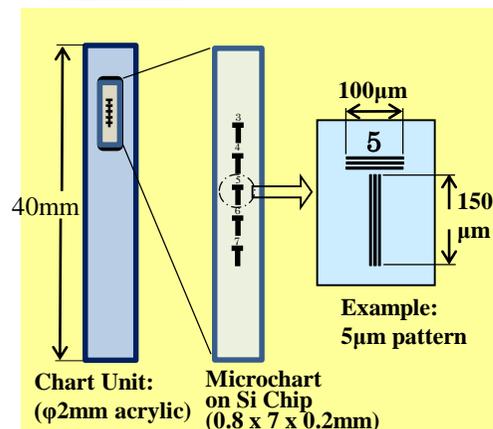
## JIMA RT CT-01

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 .

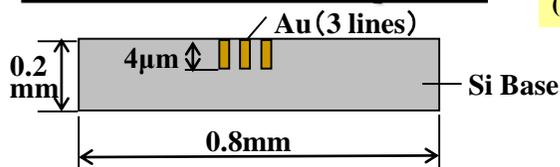
### Appearance



### 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.

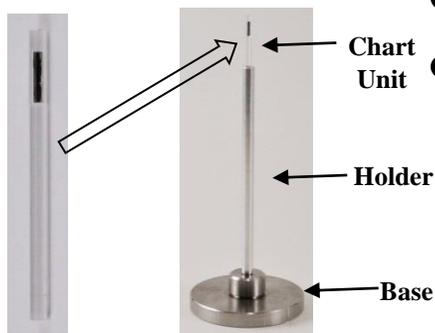


Chart Unit

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)
Base	Size (Stainless Steel)	φ49.5 x 19mm
Temp	Ambient OP Temp.	10°C ~ 70°C



### General Corporation Japan Inspection Instruments Manufacturers' Association

3<sup>rd</sup>. Fl., Kudan Royal Bldg., 3-2-5 Kandajinbo-cho,  
Chiyoda-ku, Tokyo 101-0051 Japan

TEL 03-3288-5080 FAX 03-3288-5081

E-mail info@jima.jp URL http://www.jima.jp