

• 3D X-ray CT Measurement (squareness)

<Measuring Method>

Measurement was performed for the requested product using industrial tomography system. Obtained data was then analyzed for squareness using analysis software “ZEISS CALYPSO” . The results are shown in Figure 1.

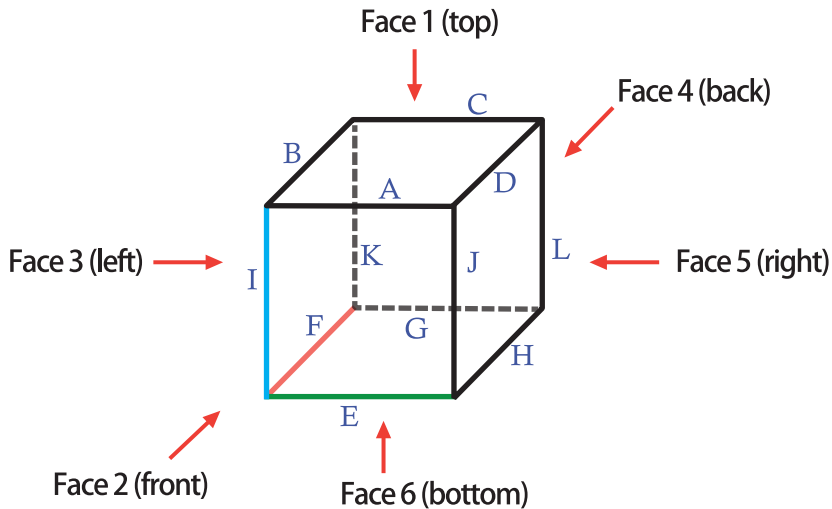


Figure 1: Measured Position

<Measurement Results>

The results were as shown below.

Table of Squareness Measurement Results unit : mm

| Position | Measured from | Face measured | Measurement results | | |
|----------|---------------|---------------|---------------------|-------|-------|
| | | | No.1 | No.2 | No.3 |
| A | ① | ② | 0.006 | 0.008 | 0.008 |
| B | ① | ③ | 0.005 | 0.006 | 0.006 |
| C | ① | ④ | 0.006 | 0.003 | 0.005 |
| D | ① | ⑤ | 0.004 | 0.005 | 0.005 |
| E | ⑥ | ② | 0.007 | 0.007 | 0.010 |
| F | ⑥ | ③ | 0.006 | 0.005 | 0.004 |
| G | ⑥ | ④ | 0.005 | 0.002 | 0.003 |
| H | ⑥ | ⑤ | 0.004 | 0.006 | 0.004 |
| I | ② | ③ | 0.008 | 0.007 | 0.005 |
| J | ② | ⑤ | 0.006 | 0.004 | 0.003 |
| K | ④ | ③ | 0.005 | 0.005 | 0.005 |
| L | ④ | ⑤ | 0.004 | 0.004 | 0.003 |

Note: The squareness values refer to absolute value of face deflection, and does not evaluate direction of deflection.