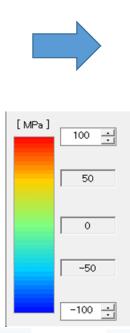
## Application Residual Stress Measurement of Electrical Steel Sheets

- $\clubsuit$  Residual stress analyzer ( $\mu$ -X360J) with robot arm
- Check residual stress distribution by color mapping
- Large crystals grains can be measured by tri-axis oscillation.

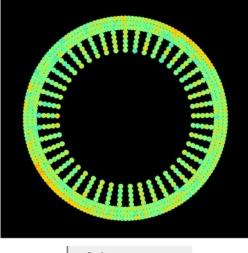
## **Check stress-relieving heat treatment effect**

最小値

Before heat treatment



## (After heat treatment)



データ	
最大値	59
最小値	-23
コリメータ [	¢2.0 mm

There is **compressive stress** on the core surface by rolling and punching.

-92

コリメータ | ゆ2.0 mm

Compressive stress reduces and tensile stress increases slightly.

Possible to control residual stress to improve efficiency and core loss by checking stress relief heat treatment effect.

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