## Internal stress measurement of thin film $-75 \sim 300 \text{ mm} \Phi$ size and dependence on temperature -

Internal stress of thin film can be determined by substrate bending, one of the method for stress measurement in our company. By using this method, temperature dependence of internal stress and stress distribution of thin film can also be clarified. We have two detecting types such as laser non-contact type and stylus one.



We can calculate the coefficient of thermal expansion (CTE) of thin film from the temperature dependence of the internal stress, physical properties of the thin film and substrate.

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