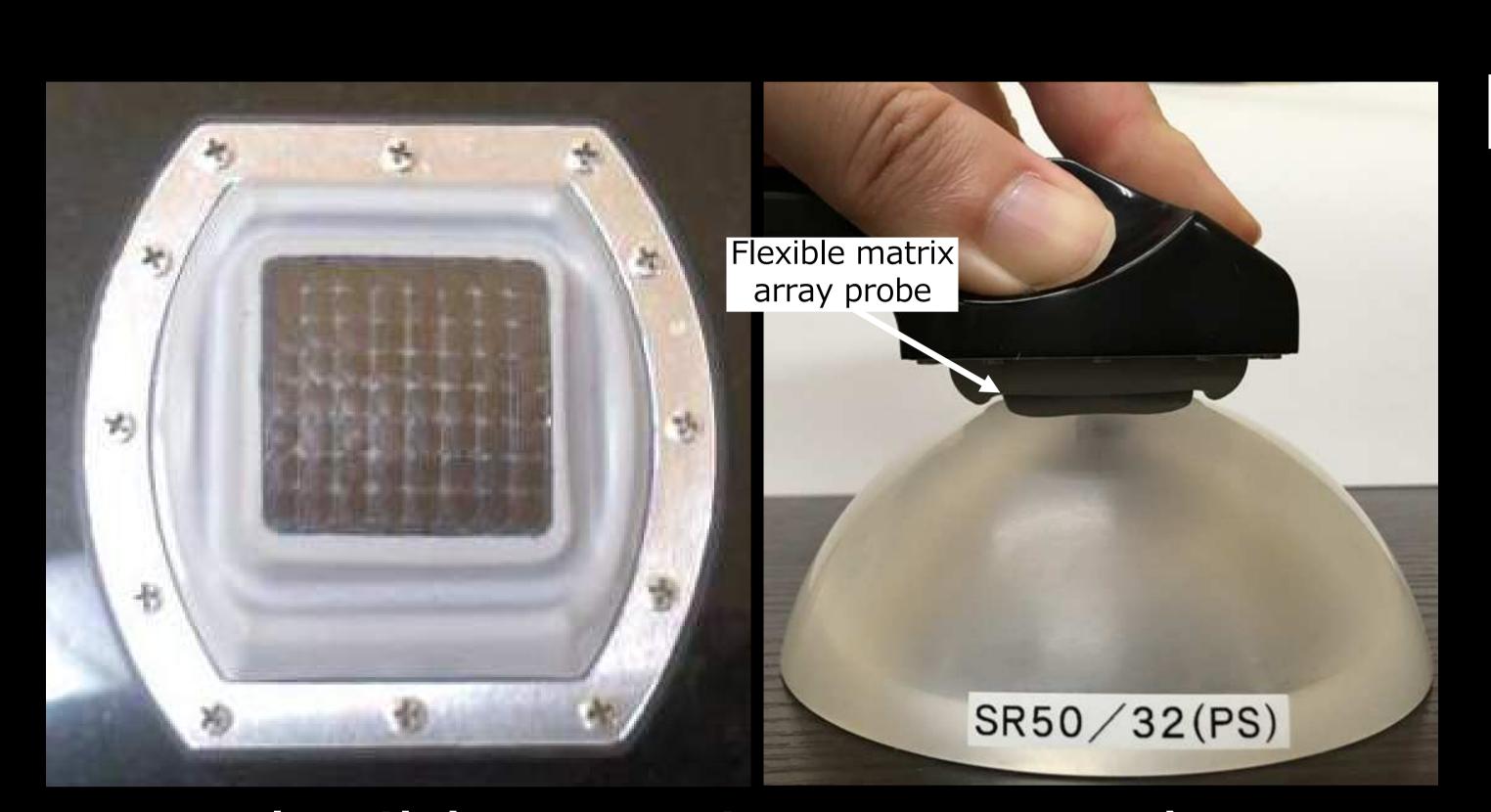
## A Flexible Ultrasonic Probe for Measuring from Curved Surface 曲面から探傷を行う柔軟性超音波探触子

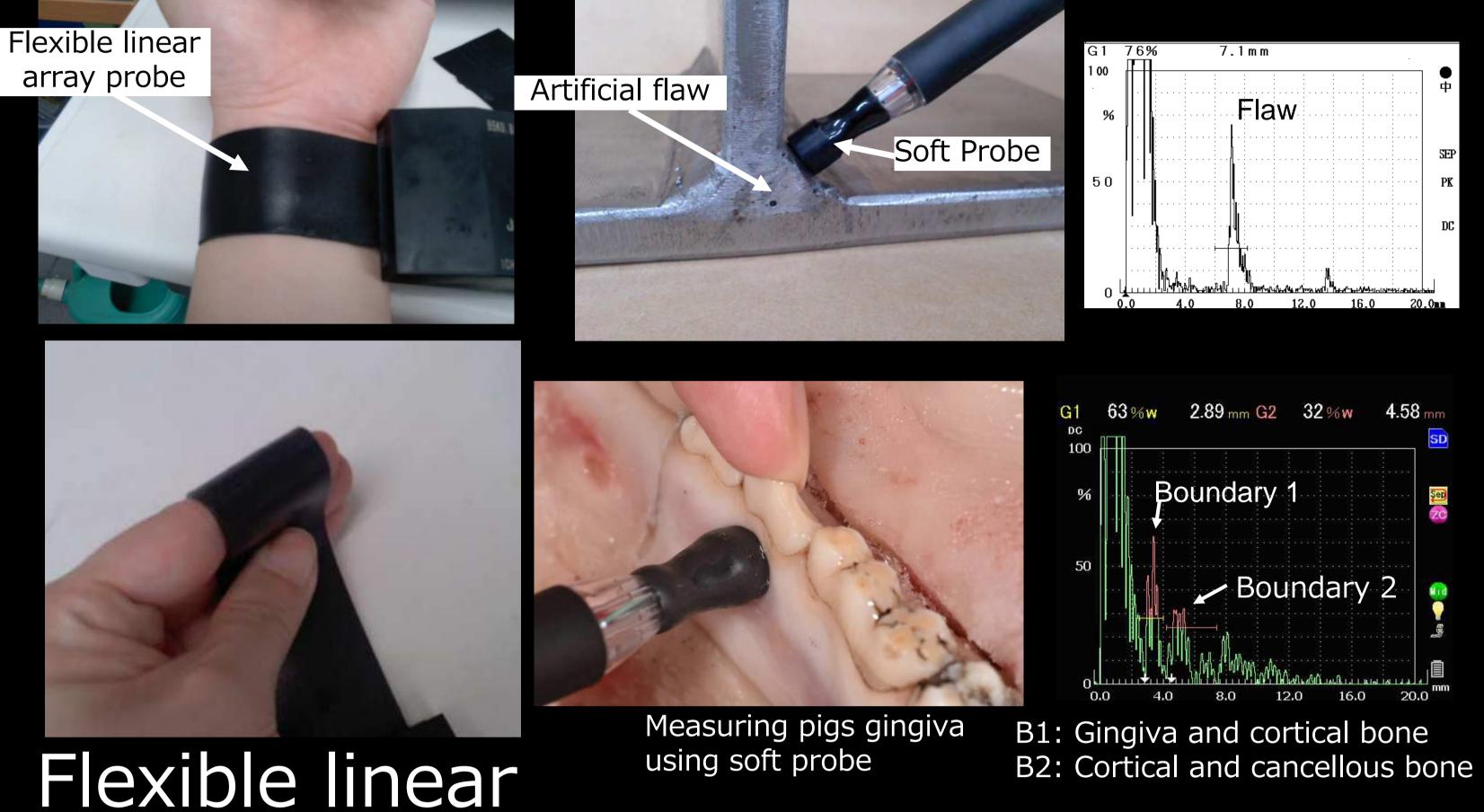
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Abstract A flexible ultrasonic probe was developed and ultrasonic measuring from the curved surface. Three types of flexible ultrasonic probe, monocular, linear array, matrix array are developed, and those were evaluated with curved specimens. B mode images and C mode images were acquired, and the depth and shape of the artificial thinning on the curved surface could be imaged, respectively. In addition, the axial resolution and the lateral resolution were measured with a specimen set with a stepped wall thickness and a specimen close to the specimen, and each resolution were 1 mm.

## Three types of flexible array probe



Flexible matrix array probe 8×8 64ch 2.5 mm pitch



array probe Soft Probe

