

Zonotip

## Ultrasonic thickness measurement of glass

This glass light fixture hangs proudly in the foyer of the Proceq global headquarters building in Switzerland. This installation hangs down from the fourth floor roof down to ground floor level and contains more than 25 blown glass 'bubbles'. Before installing this spectacular light, it was necessary to identify all glass bubbles with wall thicknesses less than 2 mm at their top mounting openings, as this would be too thin to support weight of the whole structure.

It was possible to carry out thickness measurements with the Zonotip or Zonotip+ and both instruments have a transducer. Whatever the set-up chosen, the device must first be calibrated on a piece of glass with a known thickness.

Typical thicknesses from 1.5 mm to 8.5 mm were measured around the circumference of the top mounting hole. The final result of this inspection was that five bubbles were identified as being too thin and were replaced.



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