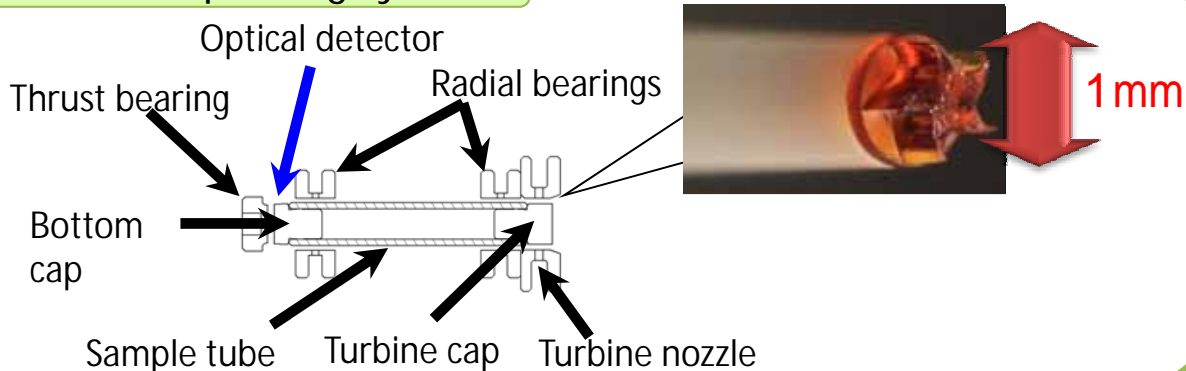


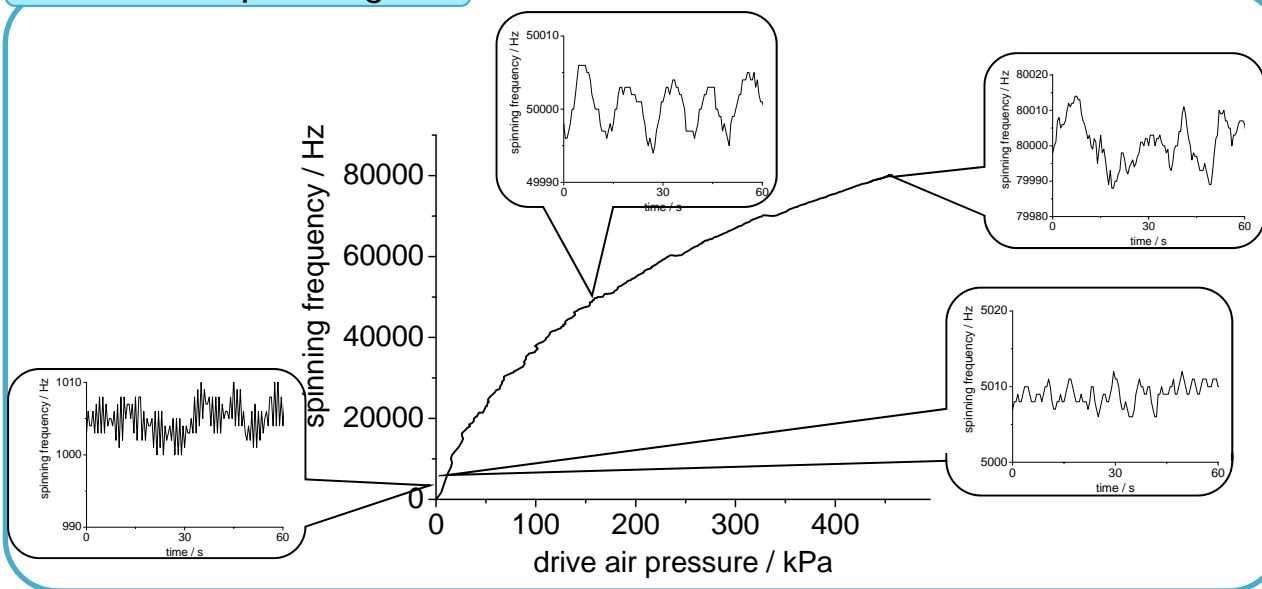
# Very fast MAS up to 80 kHz!

We have developed a new magic angle spinning (MAS) system which enables very fast MAS up to 80 kHz. The sample tube has an outer diameter of 1 mm and has an active volume of 0.8  $\mu$ L. The rotor can spin very stably from a very low spinning speed of 1 kHz to the maximum speed of 80 kHz. Spinning fluctuation is within  $\pm 5$ -10 Hz at any spinning speed.

## Outline of spinning system



## Stable spinning



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