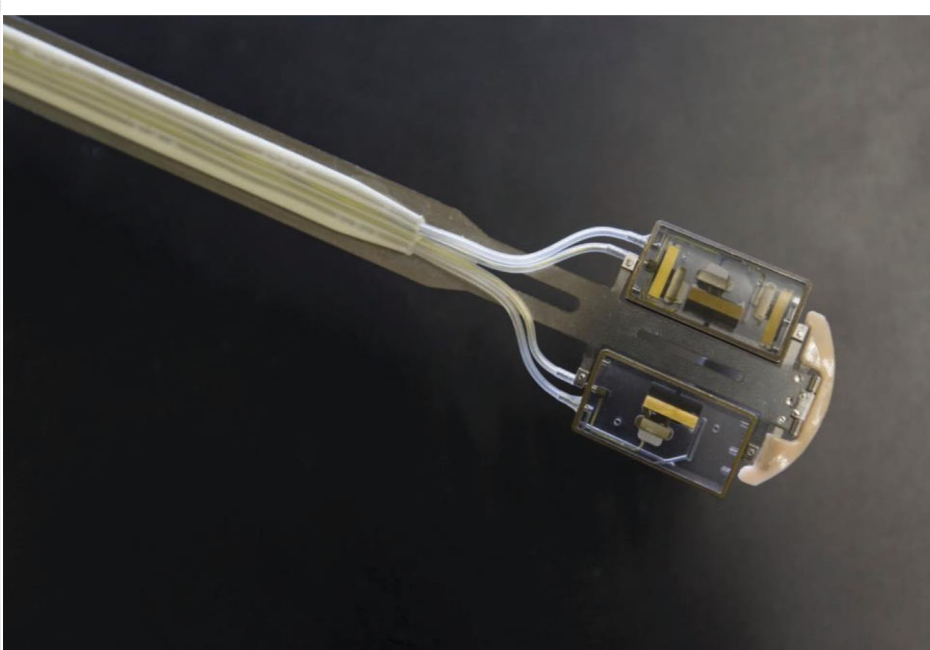


### Ultrasonic (UT) Probes

*Sabers probes compatible*  
*limited access*

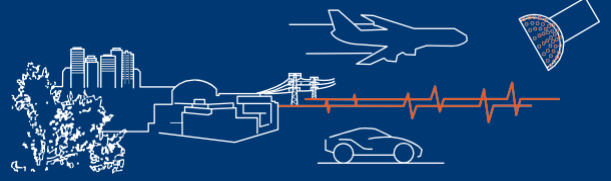


#### Characteristics:

- High flexibility of the probe body
- **limited use of coupling**
- Water intake at connector
- Small piezoelectric elements (2 mm x 7 mm **bars (barettes)**)

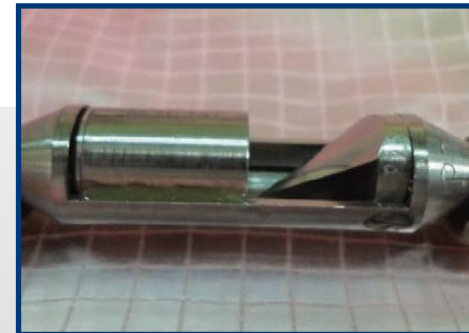
#### Applications:

- Tubes inspection from the inside with limited access
- Characterization of defects of the order of 20  $\mu\text{m}$



## Ultrasonic (UT) Probes

### *Mirror-focused rotating probes*

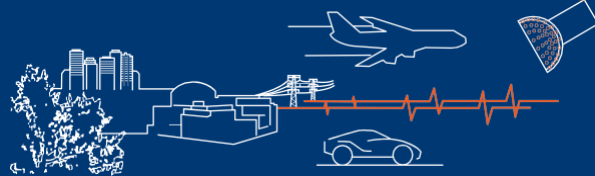


### Characteristics:

- Small probe's diameter (about 15 mm)
- OL0° probe of 7 MHz
- Focused mirror
- Gimbal to allow the placement of the probe in the controlled area
- complex mirror surface machining (for adapted focusing)

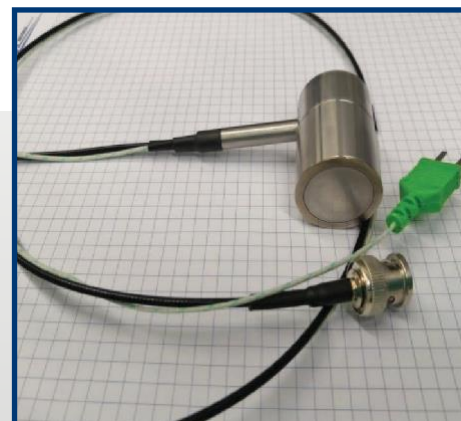
### Applications:

- Tube volume inspection from the inside
- Motorized drive
- Defects detection and characterization
- Thickness measurement



## Ultrasonic (UT) Probes

*High temperature compatible ultrasonic probes (between 250 ° C and 300 ° C)*

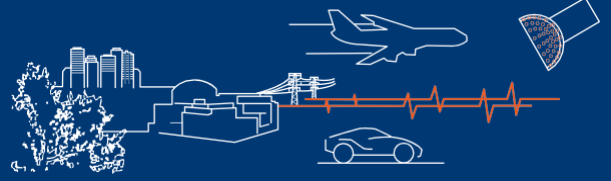


### Characteristics:

- Between 1 and 4 MHz
- Contact inspection (part up to 300 ° C)
- Immersion inspection (continuous temperature at 250 ° C)
- Operation without external cooling

### Applications:

- Inspection during welding
- Liquid metal immersion inspection
- Corrosion measurement in operation



## Ultrasonic (UT) Probes

*Specific rotating TOFD probes*



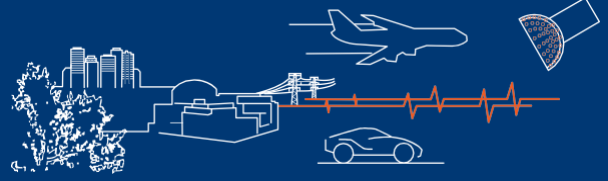
### Characteristics:

- Gimbal to ensure the passage of the probe under restrictive conditions
- **Plaquage réalisé par ailettes surmoulées**

### Applications:

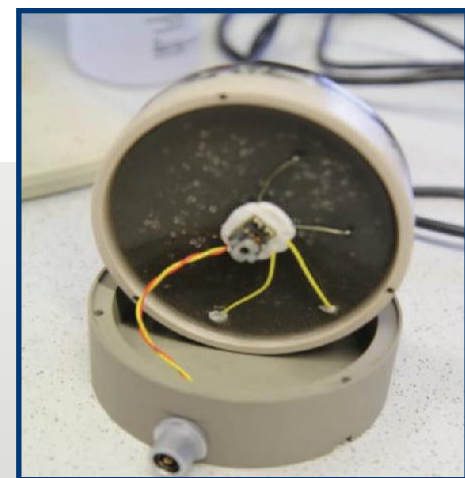
- **Tube volume inspection from the inside**
- Motorized driving
- Defects characterization





## Ultrasonic Probes (UT)

*Focused single-item translator*



### Characteristics :

- Focus on customer demand
- Focus technology by lens or thermoforming piezocomposites
- Frequency of use from 0.5 MHz to 4 MHz
- 20 mm to 120 mm diameter

### Applications :

- Defects caraterization
- Immersion control (maximum pressure: 3 bars)