

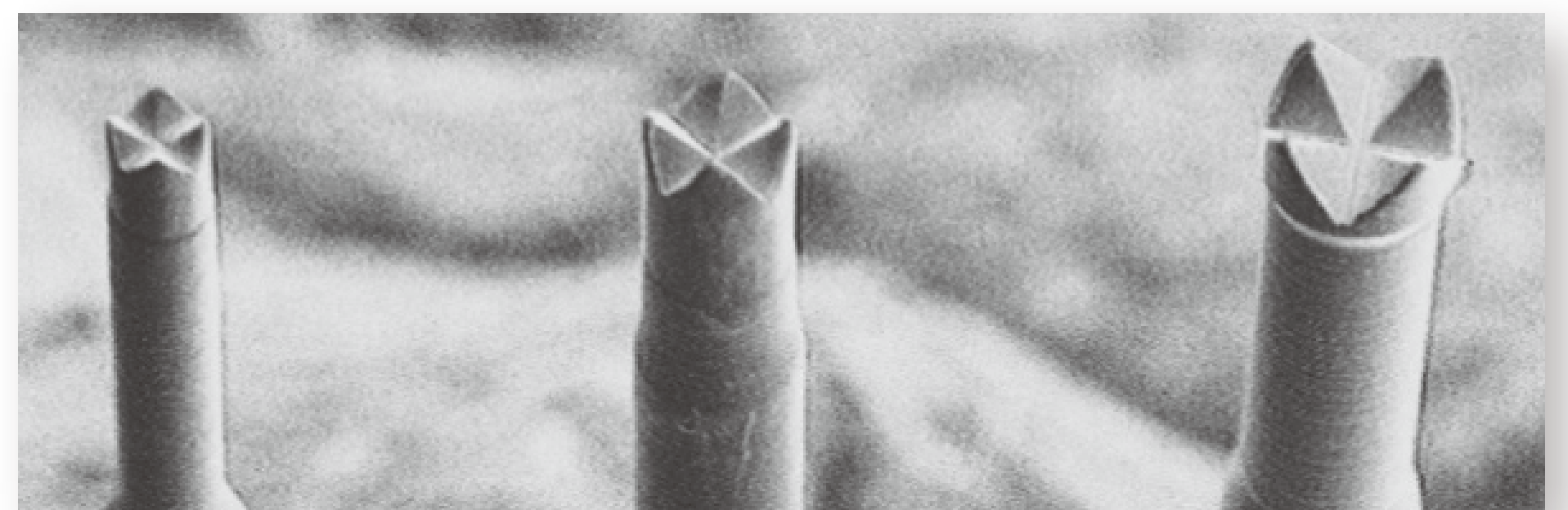
# JAPAN Manufacturing

## KUNOHESEIMITSU Co., Ltd.

- 15,000,000 probes production capacity / Year
- Probe diameter down to 80um
- Customized probe available
- All process by JAPAN manufacturing
- Fully automatic assembly & Inspection



**Production Line**



**Probe Tip**

### Business Domain

- In house Spring Probe production (Machining, Plating and Assembly)
- Machining Parts for Auto mobile
- PCB Unit assembly
- Environmental evaluation and mechanical evaluation
- High-Frequency characteristic evaluation

### Equipment list

#### <Production>

CNC & CAM Lathe :130  
Full auto assembly machine  
Semi auto assembly machine  
Reflow oven / Drying oven  
Grind machine

#### <Software>

Stress analysis  
Thermal analysis  
Electromagnetic field analysis  
ADS

#### <Inspection & Evaluation>

Environmental evaluation  
Life time evaluation  
Electric characteristic evaluation  
Image processing  
Optical inspection  
X-ray  
SEM  
Network analyzer ~67GHz  
High-Frequency test fixture  
High-Frequency prober



# CNC & CAM Lathe 130 UNITS

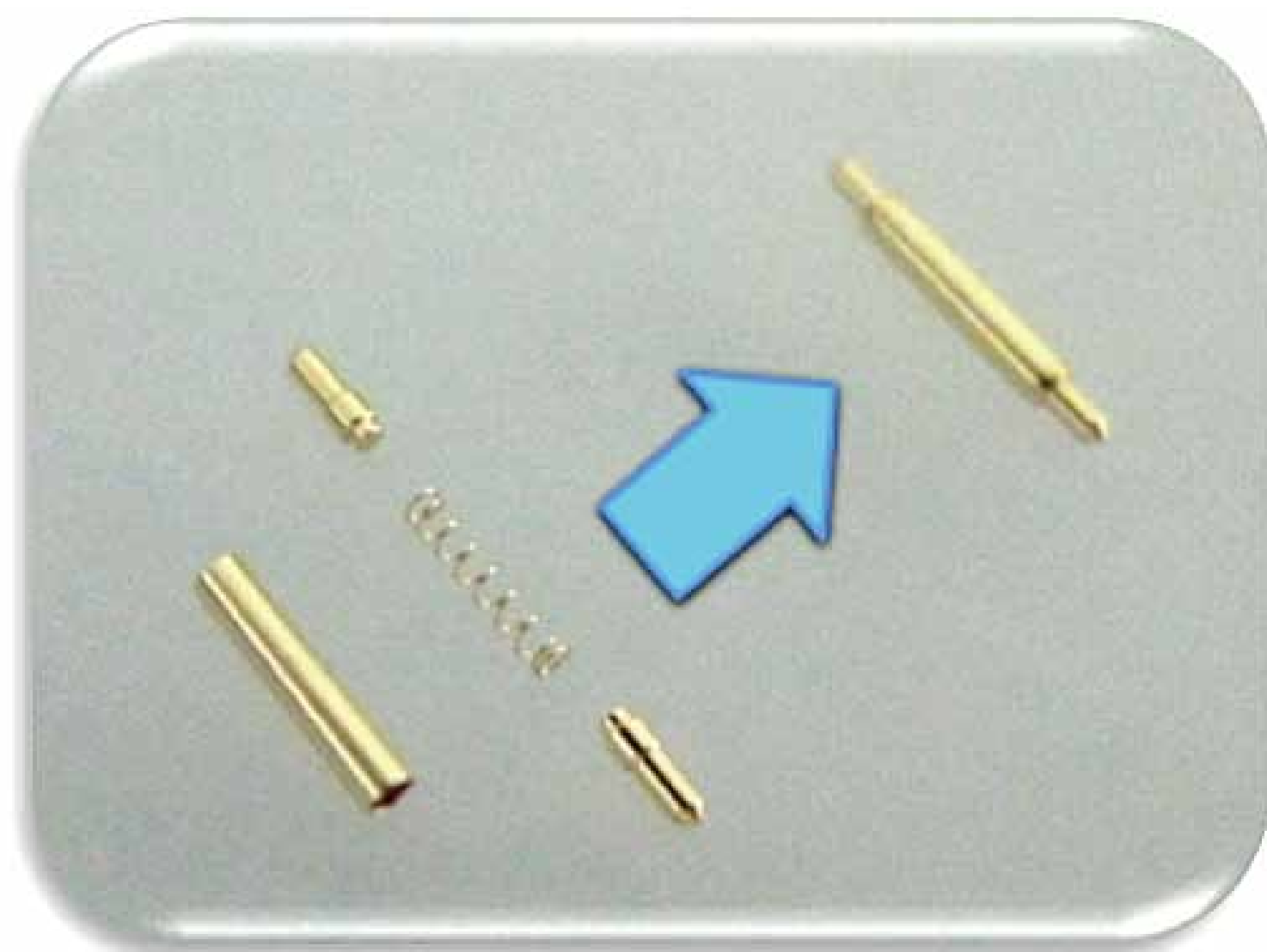


## Fully Automatic Probe Assembly Machine

Reduce TAT

100% Inspection

Stable High Quality





# SPRING MINI PROBE

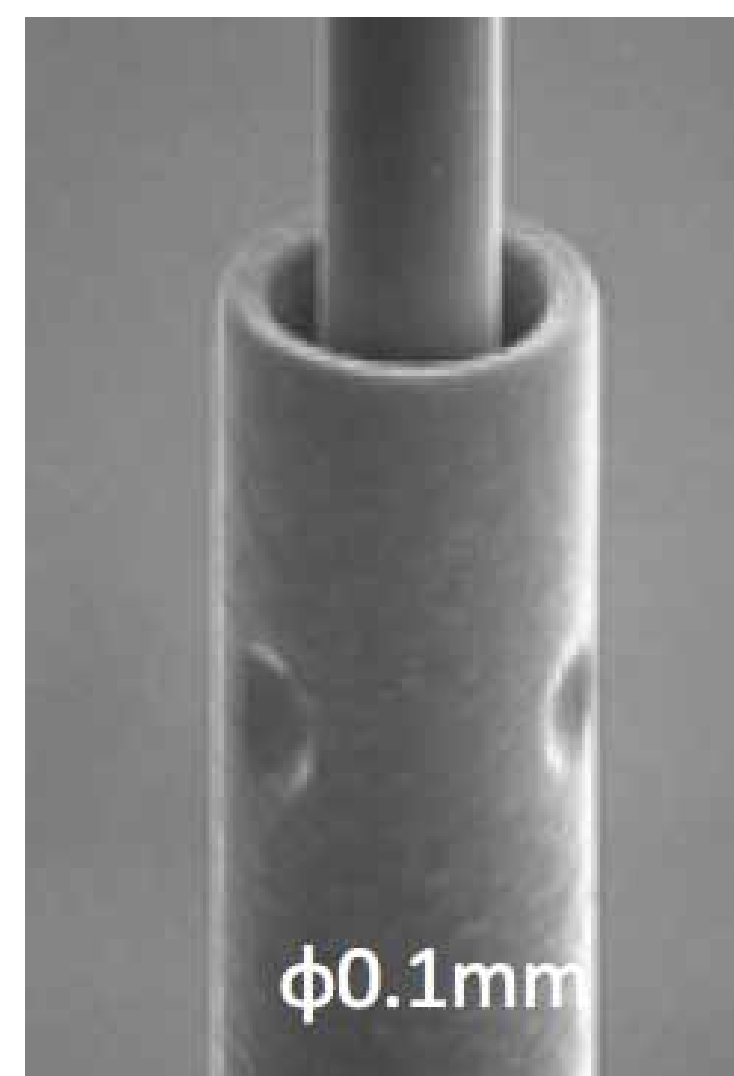
Ultra Precision & Assemble technology



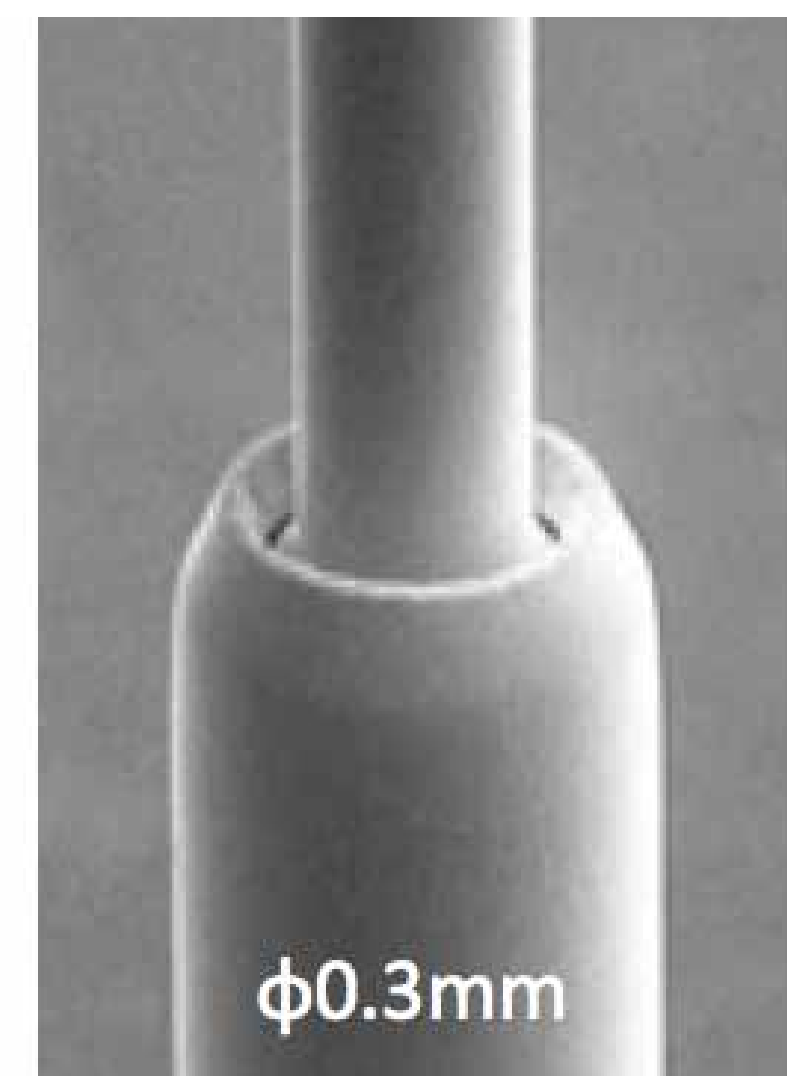
**Ability:**  
Plunger under 80  $\mu\text{m}$  diameter &  
 $\mu\text{m}$  tolerance accuracy

## Crimping process

3 points



Taper shape



## Full Automatic Assembly and Testing (In-house)

Pre-Assemble Stage → Crimping Stage → Automatic Test Stage

