

# PiezoMEMS MPB (Multi Project Batch) runs

## *Prototyping service for PiezoMEMS devices*

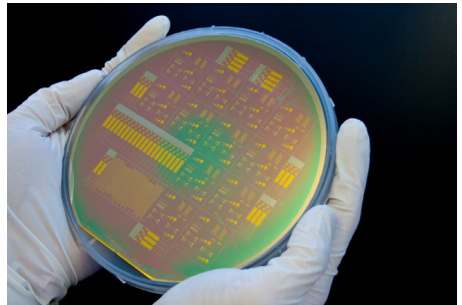
SINTEF has fabricated piezoMEMS devices since 2003 and has a proven track record. Our PiezoMEMS MPB scheme offers production of PiezoMEMS devices for as less as 3 wafers per customer. By combining the orders from different customers into a single batch, fabrication costs are reduced by around 40 %. Separate photomask set are used for each customer, thereby insuring flexibility and confidentiality. The devices are fabricated on high quality 150 mm SOI wafers. Different design variations and test structures can be combined in each customer's photomask set.

### We Offer

- Proven piezoMEMS device fabrication
- Confidentiality
- Risk assessment for manufacturability of your design
- Minimum 3 wafers per customer
- Around 40% savings on fabrication costs

### Process details:

- 2 micron Nb doped CSD PZT
- Bottom electrode: 100 nm Pt with LNO seed layer
- Top Electrode: 250 nm Au
- DRIE back side etch
- Optional device layer release etch



### Prices and time schedule on request

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SINTEF is one of the largest independent research organisation in Scandinavia. We create value and innovation through knowledge generation and development of technological solutions that are brought into practical use.

SINTEF employs 2000 staff from 75 different countries.

***An unique opportunity to benefit from SINTEF's experience in the field of PiezoMEMS device development and prototyping***