

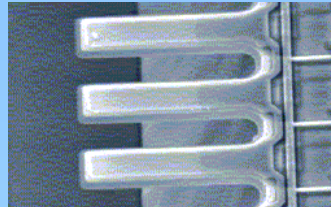
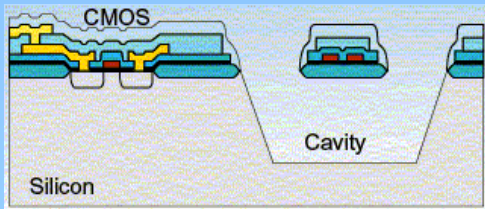


# Microsystems Prototyping

## Integrated Microsystems Technologies

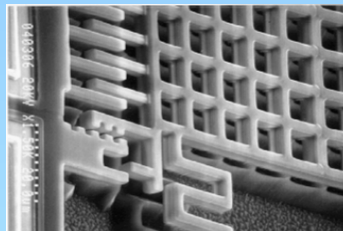
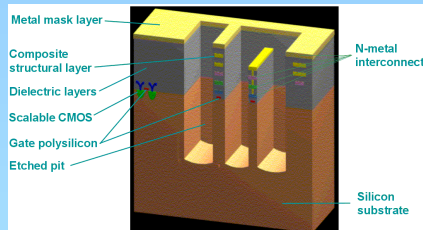
These technologies allow electronics and mechanical systems on the same chip.

→ Front side bulk micromachining on 0,6µ CMOS from CSMC



Price for 25 prototypes: 250 €/mm<sup>2</sup> , + 550 € for MEMS post process on 5 samples

→ Front side bulk micromachining: ASIMPS from CMU Carnegie Mellon on 0,25µ BiCMOS from STMicroelectronics



Price for 25 prototypes: 1500 €/mm<sup>2</sup> , + 2000 € for MEMS post process on 5 samples

## Specific MEMS Technologies

These technologies allow the realization of various MEMS devices.

→ PolyMUMPS

Polysilicon / gold  
Surface micromachining

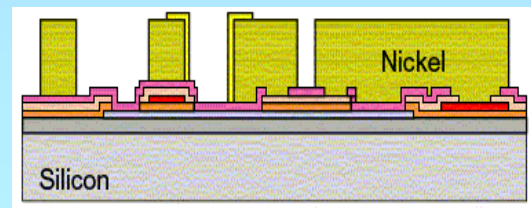
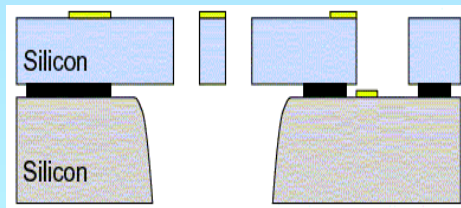
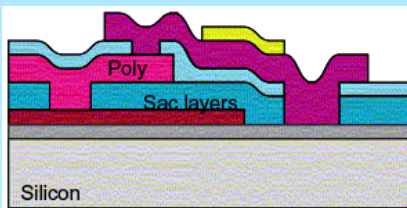
→ SOIMUMPS

Deep Reactive Ion Etching  
on Silicon On Insulator

→ MetalMUMPS

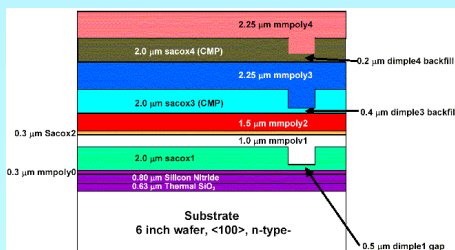
Nickel electroplated

from MEMSCAP



Price for 15 prototypes: 3700 \$ for Education and Research, 4600 \$ for Industry. 1cm x 1cm (fixed size)

→ SUMMiT V (Sandia Ultra planar Mutli level MEMS Technology V) from Sandia



## CAD, design kits and support

CMP distributes several MEMS CAD tool solutions from SoftMEMS. In addition, CMP distributes design kits for the MEMS technologies and for most of the CAD tools. Some specific support is given to CMP customers for MEMS design.

## Contact

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