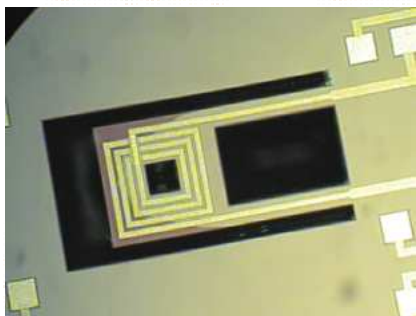
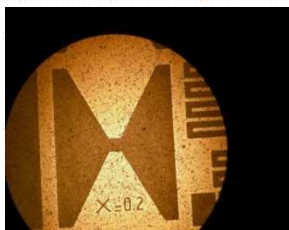
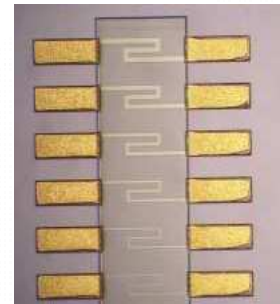
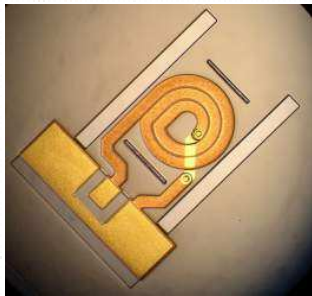


You cannot find a component on the market which meets your specifications?  
Now you can have this product tailor made.

Even for low and medium volumes, IBS can help you develop a product to fit your needs.

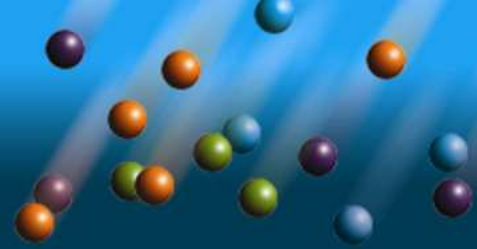
## FUNCTIONALITIES

- Handling of small quantities of gas or liquid
- Thermal exchanges
  - Protection
  - Thermal management



## REALIZATIONS

- Micro-caloducs
- Micro-exchangers
- Micro-pump
- Fuses
- Inductors
- Capacitors
- Resistors



## IBS PROPOSITIONS:

- Design of discrete components
- Simulations
- Masks layout
- Process Integration and manufacturing
- A scalable subcontracting: from single steps to full component

## IBS PROCESSES:

- Oxidation and thermal annealing
- Deposits: PECVD, LPCVD, Sputtering, thermal evaporation
- Photolithography: down to 1  $\mu\text{m}$  definition / double side
- Etchings: RIE, IBE, wet, TMAH (anisotropic etching for Silicon)
- Ion Implants

## IBS CHARACTERIZATION:

- Microscopy and critical dimensions (including SEM, TEM, AFM)
- SIM / TOF-SIMS / AUGER
- Rsquare and junction measurement
- Mechanical and optical profilometers, ellipsometer
- Manual and automatic probers

