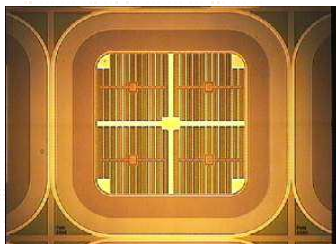
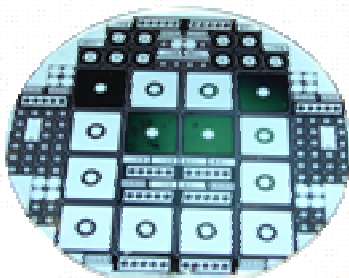
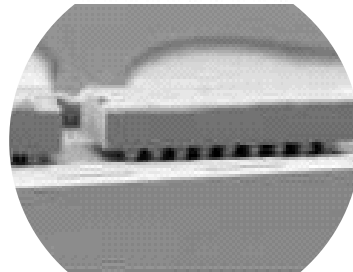


You cannot find a component on the market which meets your specifications?
Now you can have this product tailor made.

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

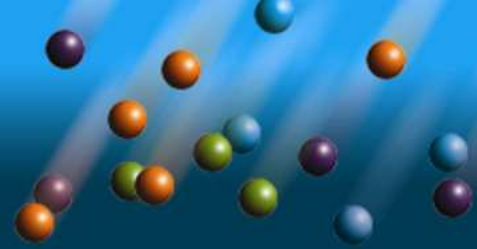
FUNCTIONALITIES

- High tension commutators
- Static circuit breaker
 - ✓ High voltage signal generator
 - ✓ High currents
 - ✓ High voltage
 - ✓ High temperature processes
 - ✓ RF switch



REALIZATIONS

- High Tension MOS: > 1500 V
- Bipolar Medium Tension, low VCE
- High Tension IGBT
- High Tension Diodes: > 4000 V
- High Current Diode, very low reverse voltage
- PiN Diode
- SiC PiN Diode
- Diodes network for addressing



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 annealingx
- Deposits: PECVD, LPCVD, Sputtering, thermal evaporation
- Photolithography: down to 1 μm 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

