

Results and Area of Applications

Useful Results	Area of Use
Growth on Metals	Wafer scale system for graphene
Growth on Metal foil	R2R system
CVD Graphene films for optoelectronic applications	Large scale and high homogeneity graphene films for opto electronics applications
Graphene transparent electrode in OLEDs	Transparent flexible electrode from Graphene
Graphene integrated photodetector	Integrated photodetector
Graphene integrated modulator	Integrated absorption modulator
Graphene integrated modulator	Integrated phase modulator
Graphene integrated heater	Integrated heater
Photomixing demonstration	Photomixing device
Photosampling concept	Photosampling device
GRAPHENE BASED CHANNEL	HIGH EFFICIENCY GRAPHENE BASED SPINTRONICS DEVICES
GRAPHENE BASED ELECTRODES	GRAPHENE BASED MAGNETIC TUNNEL JUNCTIONS
Graphene based gas sensor on SOI	SOI micro-hotplate CCS3oI
Full CMOS integrated gold wafer process	Resisting gas sensors
Graphene in IR gas sensors	IR detector with graphene / CNTS
Graphene in IR gas sensors	IR source with graphene / CNTS
Graphene based process for RF passives and specific optimized design	Graphene tunable quantum capacitor
Technological process for graphene based MEMS switch	Suspended graphene membranes for RF MEMS switches based on graphene
Ni based growth process	Industrial graphene processing
Solid state Ni graphene growth	Industrial graphene processing
Low Temperature Cu growth	Industrial graphene processing
High sensitive gas sensor based on graphene	NH ₃ sensor for continuous monitoring in animal production
CNT growth process	Ultra high density CNT shunt
CNT growth on graphene	3D carbon interconnects, battery electrodes
High density CNT via	Carbon interconnects
Carbon based Interconnects	Integrated Carbon interconnects
Ethene Low temperature graphene growth process	Industrial graphene processing