

CVD Graphene

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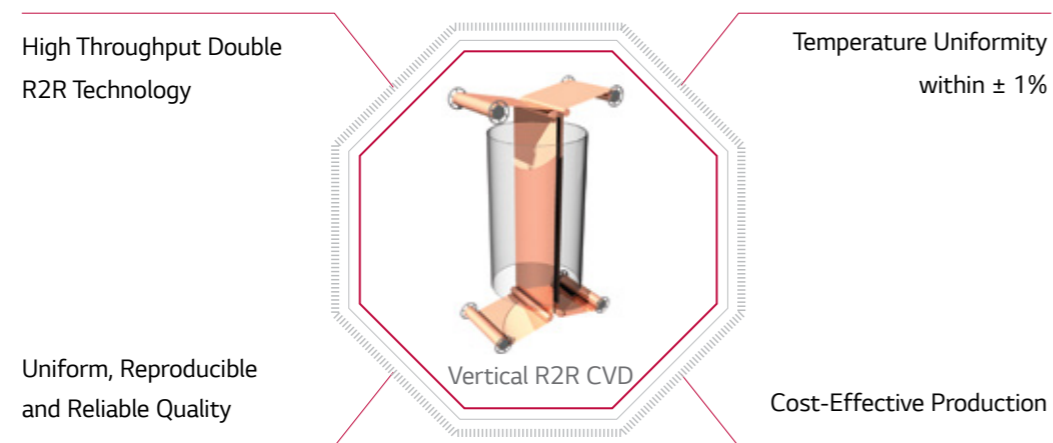
Vision

The World's Leading Company in R2R CVD Graphene Technology for High Quality and Uniform Graphene

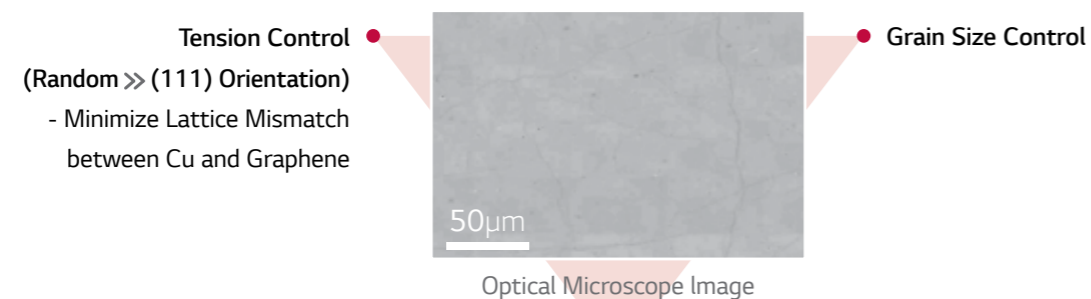


Core Technology

High Speed and Large Scale R2R CVD System



Vertically Tension-Controlled Growth for High Quality CVD Graphene

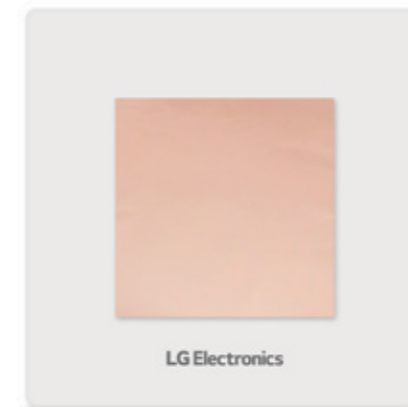


High Quality Mono Layer Graphene
 - Extremely Low Multi Layer Defects

* Key Patents : US9764956B2, CN104603052B
 Collaboration with Prof. B.H. Hong (SNU)

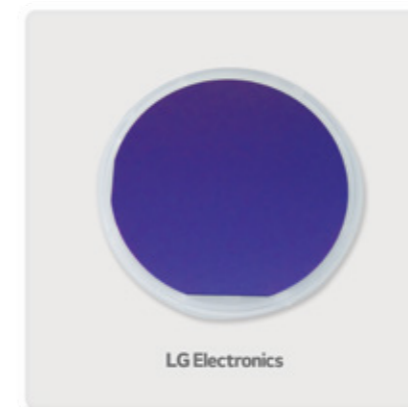
Main Products

Graphene on Cu foil High Quality / Large Area / Large Scale



Type	Properties
Substrate	Cu (35 µm)
Graphene layer	Monolayer
Size	A5 Sheet (150 mm X 210 mm) A5 Roll (150 mm X 840 mm)
Grain size	5 µm ² / 110 µm ²

Graphene on SiO₂ / Si wafer High Mobility / Large Grain (110 µm²) / Residue-free



Type	Properties
Substrate	SiO ₂ (300 nm) / Si
Graphene layer	Monolayer
Size	4" / 6" / 8" wafer
Mobility*	> 3,000 cm ² / Vs
Transfer	Wet Process

* Mobility : Hall Effect Measurement

Quality Control

Rigorous Quality Control Management System

