

Grapholymer®

Extrusion, Coating, Lamination

from Laboratory to Industrial Production

with Graphene in Polymers

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A worldwide leader in Plastics Extrusion Machinery, Bandera has recently developed a laboratory EA-Extrusion Academy® with the goal of liaising between research and industrial production of the many products obtainable via the extrusion process, also associated to lamination, coating, foaming, converting and printing technologies.

Bandera, industrial sponsor of CGC Cambridge Graphene Centre, and partner with IIT Istituto Italiano Tecnologia for 2Dmaterials in extrusion, is an associate member of Graphene Flagship the Future Emerging Technology program by the European Commission.

Grapholymer® is the extrusion process to integrate graphene and 2D materials in many extrudable polymers. The House of Extrusion® 5,000 sq.m facility of production lines allows the scale up of prototype results from 0.3 kg/h to industrial output of +3,000 kg/h.



Laboratory Twin Screw Extruder for 2D Material compounding 2C15

Giovanni A. della Rossa

Studied Gamma-Ray Bursts at Milan University Physics, R&D Management Master at Bocconi University Milan.

Holds several patents in Quantum Entangled Lithography with JPL - NASA and in plastic PV panels extrusion.

Science & Technology communication via podcast.

Serial entrepreneurial ventures, now holds the position of Innovation & IP Manager at Costruzioni Meccaniche Luigi Bandera spa where he supervises innovation and academia and research liaisons in the field of nano composites in/on plastics via the extrusion process and future plastic applications.