

PRESS RELEASE

PARIS, 4 DECEMBER, 2001

Carbone Lorraine signed a worldwide agreement with Applied Materials

The rapid increase of the use of electronic chips, notably in computers, DVDs and cellular phones, has led companies to step up research aimed at miniaturising these chips while increasing their power.

Ion implantation is a key process in the manufacture of semiconductors.

Carbone Lorraine and Applied Materials, the world leader in electronic chip processing machinery, have been cooperating for a long time in the field of ion implantation. Carbone Lorraine, thanks to its expertise in graphite and its know-how relative to this application, enables its partner to benefit from the specific qualities of ultra-pure graphite that offers very high performances. Carbone Lorraine is therefore playing a role in the optimisation of the graphite components of the ion implantation machines developed by Applied Materials.

A new step has been taken in this partnership with the conclusion of a worldwide agreement that allows Carbone Lorraine to join the restricted panel of Applied Materials' key suppliers. The agreement illustrates Carbone Lorraine's capacity to contribute to the successful development of its clients thanks to the quality and innovative features of its products.

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Reminder:

Carbone Lorraine is an industrial group specialising in Electrical Components (brushes for electric motors, magnets and industrial fuses) and Advanced Materials and Technologies. The Group generates 88% of its sales outside France and holds leading positions on its major markets worldwide:

- *Electrical Applications* / *World no. 1 in brushes for electric motors*
- *Permanent Magnets* / *World no. 3 in magnets for the automobiles*
- *Electrical Protection* / *World no. 2 in industrial fuses*
- *Advanced Materials & Technologies* / *World no. 1 in thermal anti-corrosion equipment*

The Group is listed on the Premier Marché of the Paris Stock Exchange. It is part of the SBF 120 and Euronext 150 indices.

For further information, visit our website : www.carbonelorraine.com

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