

RBC's Innovative Business of the Year
Integran Technologies, Toronto, ON

Integran is a world leader in unique high performance metal products and have developed a method of reducing costs for manufacturing advanced carbon fiber composite parts, which are used extensively in aerospace and defence structures.

Their latest product, Nanovar[®], is a low thermal expansion, very hard metal coating for carbon fibre reinforced tooling. Integran's Nanovar[®] coating increases surface hardness by 15 times, adding durability and longevity to the tool resulting in reduced manufacturing costs and environmental impact by decreasing waste carbon fibre composite mold material.

Integran's nanometal technology represents an important and strategic addition to their product portfolio. Aerospace and defence industries are the primary market for their unique tooling solution since lightweight carbon fiber composite parts are used extensively to reduce fuel usage, decrease greenhouse gas emissions and lower operating costs.

The application of Integran's nanometals is not limited to the Aerospace industry. Nanometals are being used to produce high performance sporting equipment like golf shafts, and to provide an alternative to industrial toxic chrome plating processes.

Because of Integran's cutting edge technology and innovative approach to markets they received **RBC's Innovative Business of the Year Award** at the 2007 Canadian Innovation Awards.