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NEWS RELEASE

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Forrest Manufacturing's Concave Face Blade Meets Challenges of Cutting Wood-Plastic Composites

*Special Design Reduces Resistance and Runs Cool,
Producing Smooth Cuts in "Faux Wood" Products*

CLIFTON, New Jersey, April 21, 2009—Forrest Manufacturing has introduced a blade specially designed to meet the challenges of cutting wood-plastic composites, also known



as "faux wood." The Concave Face blade runs cool, prevents melting and fusing, and produces smooth cuts.

"The teeth on the blade have a unique hollow-concave face so only the highest points on each edge cut through the material. This reduces resistance, so there's less heat build up," explains Tony Ferrato, sales and engineering representative, Forrest Manufacturing.

Cutting "Faux Wood"

Long used by the European automotive industry for interior panels, wood-plastic component products have been making steady gains over regular wood. Usually a mixture of wood flour or fibers, thermoplastic resins and additives – including bonding,

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stabilizing, lubricating and coloring agents – extruded, injection-molded and compression-molded faux wood is now used to make everything from window blinds, molding, doors, decking, and window frames, to even the bodies and necks of electric guitars.

But depending on its composition, says Ferrato, “Cutting faux wood can be a bit like slicing through a hard-shelled marshmallow. Blades not specifically designed for cutting faux wood can delaminate, rip and tear the composite, as well as create excessive heat, leading to melting and ultimately a bad cut.”

The Concave Face Design

Forrest’s Concave Face blade is designed so that only the edges of the teeth cut through faux wood and similar materials, also making it ideal for cutting delicate foam core moldings, as well as melamine board and other types of particle board laminates. Since each tooth bears the same chip load, the Concave Face cuts with minimal splintering and tearouts, and as quietly as blades with extra slots that can compromise blade strength. The Concave Face blade also cuts up to five times longer and faster than a flat-face blade. It works with both table and sliding panel saws.

The Concave Face blade comes in metric and standard sizes with a choice of 40, 48 and 60 teeth and 5/8-inch, one-inch and 30 mm bore sizes. Custom-size bores are also available. The 48- and 60-teeth blades are ideal for cutting flakeboard laminates and polystyrene foam core moldings. Ferrato recommends the company’s Woodworker

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and Chop Master blades for cutting denser wood-plastic composites designed for outdoor use, such as decking material.

Like all Forrest blades, the plate of the Concave Face is hand straightened and has exceptional perimeter concentricity and side runout. Its teeth are made from corrosion resistant, C-4 micrograin carbide and sharpened with specially-made diamond grit grinding wheels. It's 40 percent stronger and lasts 300 percent longer between sharpenings than other blades used for particle board laminates. Plus, like all Forrest blades, the Concave Face is made in the United States and comes with a 30-day, full-refund guarantee. State-of-the-art sharpening is available to ensure optimal blade performance and long life.

About Forrest Manufacturing

Forrest Manufacturing is a family-owned business founded in 1946 and is well respected for its quality products and superior customer service. It produces a variety of custom and specialty blades, including thin rim, heavy duty rip and nonferrous cutting blades. Forrest blades are available direct from the factory, as well as from fine-quality dealers, retailers and catalogs. For more information, please visit

www.ForrestBlades.com.

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Photo caption: The teeth on Forrest Manufacturing's Concave Face blade have a unique hollow-concave design so that only the highest points on each edge cut through wood-plastic composite material. This reduces resistance, producing a cool, smooth cut on material that can otherwise melt, delaminate, rip and tear when cut with the wrong type of blade.