

WE FORM THE FUTURE

DESIGN CATEGORY

Innovation in Green Composites Design Award

Past Winners:

2017 – **Large Scale 3D Printing Using 100% Bio-Composite Materials**

Submitted by: Oak Ridge National Laboratory

2014 – **Blackbird Ukulele Made of Lingrove's Ekoa Flax/Bioresin Prepreg**

Submitted by: Blackbird Guitars

2013 – **Low Density Commercial Truck Inner Fender**

Submitted by: The Composites Group

2012 – **Nomad Mobili: Ultra light, super green composite furniture for life**

Submitted by: Nomad Mobili

2011 – **Sustainable Composites for Water and Sewer Applications**

Submitted by: 3B-the fiberglass company

2010 – **BRP Green Wall**

Submitted by: Bedford Reinforced Plastics

Most Creative Application Award

Past Winners:

2018 – **Energy Absorbing, Durable, Fire Resistant, Cost-effective, NextGen Composite System**

Submitted by: West Virginia University

2017 – **Rapid Manufacture of Ultra-High Quality Composite Mirrors**

Submitted by: The Aerospace Corporation

2016 – **Pultruded FRP Replaces Aluminum for the Silver Flow**

Submitted by: Strongwell Corporation

2015 – **Advanced Composite Orthotic Systems**

Submitted by: Kingetics, LLC

2014 – **Stranded Composite Core for High Voltage Transmission Conductors**

Submitted by: Celanese Corporation

2013 – **Large Acoustic Wall and Ceiling Panel Assemblies**

Submitted by: Kreyler & Associates

2011 – **RAZR Hawk Driver featuring Forged Composite**

Submitted by: Callaway Golf Company

2010 – **Bridge-in-a-Backpack – a hybrid composite-concrete bridge**

Submitted by: University of Maine – Advanced Structures & Composites Center

2007 – **Safe Haven Rescue™ Chamber – Prototype mine safe house**

Submitted by: Graftech International Ltd

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2006 – **Composite Bipolar Plate Assembly for Transportation PEM Hydrogen Fuel Cells**

Submitted by: Dana Corp. – Plumley Division

2004 – **Adhesive Bonded Right Angle Composite Fastener**

Submitted by: Click Bond Inc.

2003 – **Translucent Metallic FRP Panels**

Submitted by: Kreyler and Associates

MANUFACTURING CATEGORY

Equipment and Tooling Innovation Award

Past Winners:

2018 – **Smart Manufacturing Helper Using Internet-of-Things and Industry 4.0**

Submitted by: Ruiz Aerospace

2017 – **Comprehensive Composite Manufacturing Platform**

Submitted by: Autodesk

2016 – **Innovative Robotic Preform Cell providing 3D Stacking and Control**

Submitted by: Composite Alliance Corp.

2015 – **Productive Engineering Software for Virtual Allowable Generation**

Submitted by: e-Xstream

2014 – **Near Dripless Resin Impregnation Applicator for Filament Winding Applications**

Submitted by: TSE Industries Inc.

2013 – **MTI® (Membrane Tube Infusion) Goes American**

German Advanced Composites Inc.

2012 – **Belotti's CNC "UVF" Universal Vacuum Fixture**

Submitted by: Stiles Machinery

2011 – **Multi-directional (MD) Reinforcement System**

Submitted by: MD Fibertech Corporation

Material and Process Innovation Award

Past Winners:

2018 – **Torsional welding of PDC sensors on thin wall fascia**

Submitted by: Magna Exteriors

2017 – **CFRTP Processing Technology Using Commingling, Fiber Laying, and Light Molding**

Submitted by: Gifu University

2016 – **3D Printing of High Temperature Thermoplastic Molds**

Submitted by: Oak Ridge National Laboratory

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2015 – **Nanosilica Infused Resin to use in Automotive Driveshafts**

Submitted by: QA1 Precision Products

2014 – **3D Printing Continuous Strand Carbon Fiber, Glass Fiber and Kevlar Composites**

Submitted by: Blackbird Guitars

2013 – **Harvest Vehicle Roof – Class A, In-Mold Decorated, Glass Reinforced Polyurethane**

Submitted by: Romeo RIM

2011 – **Acell Monolithic Composite Process**

Submitted by: Italtresse/Acell USA

2010 – **One Way Flap Valve Using MIR Technology**

Submitted by: Composites Solutions Pty Ltd

2007 – **Hollow Thermoset BMC Appliance Handles**

Submitted by: Bulk Molding Compounds, Inc.

2006 – **SmartPipe**

Submitted by: Smart Pipe Company, LP

2004 – **Pultruded PVC Shapes**

Submitted by: Strongwell

2003 – **General Aviation Constant Speed Composite Propeller Blade**

Submitted by: AeroComposites, Inc.

MARKET GROWTH CATEGORY

Composites Sustainability Award

Past Winners:

2014 – **Lightweight Composite Air Cargo Container Lowers Lifecycle Costs**

Submitted by: Cargo Composites

2013 – **Helical Turbine Blades & End Caps for Sovonius Wind Turbine**

Submitted by: Plastics Unlimited, Inc.

2012 – **E2e Materials Transform Worksurface**

Submitted by: e2e Materials, Inc.

2011 – **2011 Chevrolet Volt SMC Battery Cover Assembly**

Submitted by: Continental Structural Plastics

Infinite Possibility for Market Growth Award

Past Winners:

2018 – **Large Area 3D Printer for Thermoset Materials**

Submitted by: Oak Ridge National Laboratory

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2017 – **Ford/Magna Carbon Fiber Subframe**

Submitted by: Ashland LLC

2016 – **2017 Honda Ridgeline Weatherable SMC Truck Bed**

Submitted by: Ashland Performance Materials

2015 – **Composites Help Steer Toward a Wireless Road Infrastructure**

Submitted by: Strongwell Corporation

2014 – **Epitome Quality Foundation Walls**

Submitted by: Composite Panel Systems, LLC

2013 – **DOW/CFT Tequatic Plus™ F-50 Fine Particle Filter Vessel**

Submitted by: Ershigs, Inc.

2012 – **Trane Hyperion Air Handler SMC Panels**

Submitted by: Continental Structural Plastics.

2011 – **Lightweight Glass Made Type 4 CNG Cylinder**

Submitted by: GASTANK SWEDEN

2010 – **Hybrid Composite Beam**

Submitted by: Harbor Technologies, LLC

2007 – **COMPOSOLITE® Bridge Repair Scaffolding**

Submitted by: Strongwell

2006 – **GRIDFORM FRP Bridge Deck Panels**

Submitted by: Strongwell – Bristol Division

2004 – **Carbon Cat Pre-cast Concrete Reinforcement**

Submitted by: Altus Group

2003 – **Insituform SP Manufactured by the Multiple Viscosity Infusion (MVI) Process**

Submitted by: Insituform Technologies