

The 2016
*Challengers'
Award[®]*

Celebrating

50
years



The Challenger's Award®



What is the Challengers Award?

IWF 2016 will mark the 50th Anniversary of the IWF Challengers Distinguished Achievement Award®. The Challengers Award has become known throughout the world for recognizing outstanding companies who have distinguished themselves by developing innovative technology in products, services, or manufacturing techniques that will advance the industry.

A panel of 10 distinguished judges, whom are all industry professionals representing a broad cross-section of the industry will review and analyze each entry. The top finalists are announced at the end of May 2016 and final judging will take place the day before IWF 2016 opens. On that Tuesday, the finalists perform live demonstrations for the panel of judges, who then make their final decisions on the most innovative product developments.

The 2016 Challengers Distinguished Achievement Award® culminates with a presentation held on the show floor on opening day during which the winners are announced and presented with the now familiar distinctive bronze sculpture.

The Challenger's Award® Sculpture

At the International Furniture and Woodworking Supply Fair that took place in 1966 at the Kentucky Fair & Exposition Center, one of the attractions was the "Hall of Tomorrow" and featured the Furniture Factory of the Future.

Associated with the "Hall of Tomorrow", was a new awards program called the "Challenge to Change" Awards which recognized exhibiting companies for new and innovative methods in manufacturing and production.

In 1970 the competition was renamed the Challengers Award® and has since become known throughout the world for recognizing outstanding companies who have distinguished themselves by developing innovative technology in products, services, or manufacturing techniques that will advance the industry.

The now familiar bronze Challengers Award® Sculpture was designed for the International Woodworking Fair by Artist Carol Marks. It is intended to symbolize man's aspirations and stages of endeavors. The spiral formed base is a portrayal of a constant flowing upward motion representing efforts and attainment. The three figures signify the striving for full attainment with full attainment achieved by the figure on top of the spiral.



The 2016

Challengers' Award®

Finalists

Company	Entry Name	Booth #
Accuride International	Senseon Secure Access System	1607
Atlantic Machinery / VITAP	Vitap CNC Acoustic Panel Boring Machinery	6728
Bacci America Inc	CNC Router For Shaping & Sanding Cabinet Doors Outside Profile	7821
Biesse	Viet Robotic Sanding of Cross Grain Scratching and MDF, Wood or Painted Doors	6953, 7153, 7353
Cefla North America	Cefla Inert Coating Technology by Sorbini	7553
Doucet Machineries Inc	Doucet In-Motion Crosscut Saw	6747
Fastenlink	Fastenlink	4761
Giben	Giben by Anderson	6973, 6981
Holz-Her	Ltronic	6034, 6035
Holz-Her/Leitz Tooling Systems LP	Multi Tool/QuattroForm Cutterhead System	6034, 6035
Koch Machinery	Paul Optimizing Crosscut saw	5813
Leitz Tooling Systems LP	ProfilCut Q Premium Cutterhead System	5428
LMT Onsrud LP	Polaris Compression	5113
Luxhammar Corp	Luxhammar Thermal Modification Process	4421
Red Horse USA, Inc	WINBAG	4667
Riverside Tool Corp	SuperSand	5213
Salice America Inc	Salice Air	2833
SonicAire	SonicAire 2.0	7900
Taurus Craco Machinery	WOOD-ED Table	8373
Utility Composites Inc	Raptor Polymer Composite Nails	4259
Weinig Group	Weinig System Plus	6034, 6035

50 Year *Challenger Award®* Winners Timeline

Company

Entry Name

1966

E.R. Carpenter Company
Ekstrom, Carlson & Co.
R.S. Brookman, Ltd.
Roberts Consolidated Industries
Powermatic
Apex Machines

Southern Railway Co.

Richlux High Density Urethane Foam
Continuous Path Tape-Controlled Router
Automatic Gluing and Assembly of Drawers
Automated Wrap-Around Laminating System
933-D Automatic Router
Automatic Cushion Boxing and Zipper
Closing Machine
Addressing Unique Transportation Problems
with Furniture

1968

**Versatron Division of American
Machine & Foundry**
DuPont Co.
Zuckermann Co.
F. Mayer & Schwabedissen
Heinrich Wemhoner K.G.
Michael Weinig K.G.

Fully Automated Programmed Robot
Teflon S Coating for Saw Blades
Automatic Transfer Machine
Automated Panel Saw
Automatic Stacking Machine
Automatic Moulder

1970

East Asiatic Co.
Oliver Machinery Co.
Rees-Memphis
Singer Co.
**Industrial Woodworking
Machine Co., Inc.**
Mobay Chemical Co.
Southern Abrasives

Modular Dust Extraction System
Inserted Tooth Cutterhead
Electronic Control System
Integrated Sewing Unit

Select Chain-Feed Gang Ripsaw
Manufacturing Systems for Urethane Foam
Integral Woodworking Machinery
Production System

1972

Oliver Machinery
Fukami Co. Ltd.
Fletcher Tolbert Machine Co.
Clipper Abrasives
Ashdee Div./George Koch Sons
ISM Corp./Polytherm Div.
Apex Sewing Machine Co.

Computerized Cutoff Saw
Fully Automatic Coping Bandsaw
The Sander's Labor and Cost Savings
Quick-Kut Sanding Wheel
Ultraviolet Curing System
Advanced materials
Upholstery Gathering Machine

50 Year *Challenger Award®* Winners Timeline

Company

Entry Name

1974

**Newman Machine Co.
Greenlee Brothers & Co.**

Quietcut Cutterhead
Numerically Controlled System for Double-End
Tenoning Machines

**United Carr and Nelson
Maschinenfabrik Zuckerman
Automated Building Components
Apex Sewing Machine Co.**

T-Nut System
Optima 8 Spindle Copying Machine
Gang-Nail Woodwelder System
"No Button" Button Machine

1976

**Thermwood
Ransburg Company
DeVilbiss
Evans Company
Michael Weinig
Camsco**

Thermwood Cartesian 5-Axis Tool Carrier
Electrostatic Reciprocating Disk Finishing System
Shelf Programing Spray Robot
Multiple Rip Saw
Rondamat 920 Sharpening System
Waterjet Cutter

1978

**Wesflex Corp.
C.R. Onsrud
Michael Weinig
Moldow Dust Control
Conway-Cleveland Corp.
BJK Industries, Inc.**

WR-1400-2 Automatic Cutting & Shaping Machine
Intri-Shaper Spiral Cutting Tool
Knife Profiling Machine
Flamex Spark Detection
Tallymaster Lumber Measurement System
Upholstery Cushion-Filling Machine

1980

**C.R. Onsrud
Thermwood
AEM
Wadkin
Small Wonder Inc.
Thermal Engineering**

Model 2027 Inverted Router
Servo Controlled Six-Axis Robot Arm
Acro-Planer
FDR Router Moulder
Simulated Emission of Electrons Air Purification
Fan/Oven Heat Efficiency

1982

**Barr-Mullin
Michael Weinig
Wilhelm Grupp
Campbell Automation
Biesemeyer Manufacturing Corp.
Linden International**

Compu-Gauge
Constant Tool System
Copying, Shaping & Sanding Machine
Computer Aided Programmer for Router/Shaper
T-Square Saw Fence System
Sandomatic

50 Year *Challenger Award®* Winners Timeline

Company

Entry Name

1984

Zuckermann	ZUMA Universal Machining Automat
Newman-Whitney	S-282 Double Planer
Abrasive Belt Master	WBC Wide Belt Cleaner
Adler	Model 457 FA 373 G High-Speed Sewing Machine
Martin Mechanic	MPA 1539 Upholstery Automation Machine
Gerber Garment Technologies	Gerber Cutter S-91

1986

Barr-Mullin	Compu-Rip Computer
Mereen-Johnson Machine	Select-A-Rip Saw
Richard T. Byrnes/Paolino Bacci	Model TSD/CSF Double-End Tenoner
James L. Taylor Mfg. Co.	Programmable Automated Clamp Carrier
Simpson Products Inc.	Pro-Kleen Widebelt Cleaning System

1988

Voorwood/Turbosand	Rotary Profile Sanding System
Dimter Harbs GmbH	Robotic Arm Moulder with Tool Changer
Onsrud Cutter	Solid Ceramic Router Bit
Accu-Feed	Automated Lumber Feeding System
Weyerhaeuser	Heartwood Engineered Lumber
James L. Taylor Manufacturing	The OptiSizer Board Selection Machine
Reinhold Hess GmbH	Automatic Cabinet Door Press

1990

GPM Technologies	DigiPro 3-D Software
Michael Weinig, Inc.	Rondomat 935 Gringer
Biesse America	Crossmatic 120 Crosscutting Machine
Dimter GmbH	Optimax Lumber Scanner System
DML Inc.	Golden Eagle Blades with Dyanite

1992

Timesavers Inc.	High Efficiency Dust Hood
Biesse America	Selco WNA Angular Saw
Hymmen International	MTC-1400 Multi-Coater
Heesemann/European Woodworking	CSD Pressue Bar Sanding System
Barr-Mullin	Wonder Saw Optimizing Chop Saw
Modulus 2000 Machinery Onc.	Scoring Unit Attachment
Swift Adhesives	49200 Foam Formulation

50 Year Challenger Award® Winners Timeline

Company

Entry Name

1994

Barr-Mullin Inc.	Cell Scan Wood Inspection System
Newman Whitney	Servo Sleeve System Gang Ripsaw
Ogden Enterprises Inc.	Rotoles Rotary Milling Machine
Grecon Inc.	Superscan Color Wood Inspection System
Onsrud Cutter	Compression Solid Carbide Router Bit
Zintexx Corp.	Zintexx 5200 Dry Abrasive Cleaning System
Carter Products	Flip-Pod Vacuum Workholding System

1996

Great Lakes Carbide Tool Mfg.	Great-Loc Insert System
Homag	KL79 Edge Filler and Foil Transfer Machine
CESYS	Color Sorting System
Western Cutterheads	Hydrosleeve Rotary Lath Tooling CS96
Norton Co.	Aluminum Oxide Abrasives
Voorwood	L73 Contour Foiler Drive Mechanism
ITW DeVilBiss	OMX Ergomatic Spray Gun

1998

IMA America Corp.	Combiform Throughfeed Edgebander
Cabinet Vision	<i>Solid</i> Professional Software
Mirka Abrasives Inc.	Abraion Abrasive Discs
Morton International	Lamineer Powder Coating
Resource Recycling	Reusable Paint Booth Filter
Altendorf America	Tip-Servo Drive System
Wemhoner America	Vario Pin Support System

2000

Giben America	PM System Panel Saw
MAW/Nottmeyer	Q-DB CNC Cross-Feed Drilling Machine
Koch Ltd. Machinery & Systems	Prima Pade CNC Double-End Tenoner
Michael Weinig Inc.	Profile Center Unimat 3000 Brilliant
Raimann USA	Optimizing Ripsaw with Hydro Arbor
SawStop	SawStop Safety System
Southeastern Adhesives Co.	Protact Laminating Adhesive

50 Year Challenger Award® Winners Timeline

Company

Entry Name

2002

Shaw Millwork Inc./Copemaster	Production Coping Machine
Infinite Reverse Profiling LLC	Adjustable Holddown Shoe for Moulders
CyroKinetics/L.A.W. Group Inc.	Automated Abrasive Belt Cleaning System
Gladu Tools Inc.	Procentrix Clamping and Positioning System
Cameron Automation/James L. Taylor	Opti-Match Board Color Matching
Stiles Machinery	Heian UR-631P-161FX Stack Routing Line
	Throughfeed System
Stiles Machinery	Kuper ACR Speed Star Veneer Splicer

2004

AccuSystems Inc.	CNC Miter, Mortise and Tenon Machine
Binks, DeVilbiss/ITW	HVLP VTX Spray Gun
FastCap LLC	FlipBolt Countertop Connection System
Giardina Finishing	MOS Microwave Heat System
Mereen-Johnson	CamLock System
Vortex Tool Co.	Diamondback Router Bit
Wood Technology	Evolve Silent-Closing Hinge

2006

Biesse	Skipper CNC Machining Center
Dubois Equipment Co.	3-D UV Oven
ETemplate Systems	Digital Measuring System
Holz-Her U.S. Inc.	Kundig Brilliant Sanding Unit
Navy Island Plywood Inc.	Grading Standards
Stiles Machinery/Climate Technologies	Fumes-to-Fuel VOC Abatement with Payback
Weinig Group	Valu-Vision Gang Ripsaw Optimizing Scanner

2008

DUX Area Inc.	DUX Advanced Laminar Airflow Technology for Spray Guns
DV-Systems/Delle Vedove USA Inc.	UV-X Finishing System
FS Tool Corp./FS Cruing	Areotech System for Dust Free Nesting Extraction
Giben International	Zero Active Drive Beam Saw
NAP GLADU	Next G Series Diamond & Carbide Inserts Cutting Tool
Super Thin Saws	UltraCem-Coated Blades
WoodEye/Innovative Vision AB	Automatic NHLA Grading of Hardwoods

50 Year Challenger Award® Winners Timeline

Company

Entry Name

2010

BENZ Inc.	Reciprocating Knife Cutter
Binks, DeVilbiss	Binks MX Pump
Cabinotch	Cabinotch Patented System
ETP Transmission Inc.	ETP CUBIT
King Slide Works Co., Ltd.	Push-Open-Silent Soft Close Undermount Slide
Leitz Tooling Systems, Inc.	RipTec Cutting System
Precision Drive Systems	Dyna-Loc ATC Spindle

2012

CIM-Tech.Com, Inc.	Solid-CIM 3D Software
Giben America, Inc.	Prisma6000 ECOtech Kinetic Energy to Usable Energy
Hafele America, Inc.	Frontino Sliding Door Hardware
James L. Taylor/JLT Clamps/ Cameron Automation	Cameron Flooring Nester
Martin Woodworking Machine Corp.	Martin T75 Sliding Table Saw
Miltec UV	Gloss Control UV Finishing
Techniks, Inc.	Atemag Extra Plus Aggregate

2014

Aiken Development LLC/ Aiken Controls	nDepth 3D Sensor
Castle Inc.	Pocket Cutter/Screw Insertter
Graco, Inc.	ProMix PD2K Proportioner
Thermwood Corp.	Cut Center
Timesavers, Inc.	Yieldsaver-24 Top and Bottom Knife Planer
Weinig/Holz-Her	GluJet Hybrid Technology
Weinig/Holz-Her	Evolution Vertical Machining Center

