



DONOR SUPPORT HELPS PROGRAMS FLOURISH EARLY IN 2015



2015 started off strong with the annual silent auction fundraiser on Feb. 25 at the FMA Annual Meeting. Thanks to generous donations of more than 55 items, over \$21,500 was raised for the Nuts, Bolts & Thingamajigs® scholarship and summer manufacturing camp programs! We couldn't have done it without all of the enthusiastic bidders who attended the FMA Annual Meeting.

The wide array of auction items spanned across the welcome reception room in the Gaylord Palms Resort, in Kissimmee, Fla. Donated items included signed sports memorabilia, golf equipment, a Fitbit®, books, a wine club membership,

gift baskets, subscriptions, event registrations, and more. The most fascinating pieces in the auction were metal creations made by artisans—they truly reflected the creativity of manufacturers from all walks of life.

Thank you to these fine companies for donating items to the silent auction:

- | | | |
|-------------------------------------|--------------------------------|---------------------------------------|
| TRUMPF, Inc. | Mitsubishi Laser | Shickel Corp. |
| Steel Market Update, Inc. | Better Bilt Products | Rock Valley College |
| Prometal Management, LLC | Superior Tube Company | International Metals Processing, Inc. |
| KNUTH Machine Tools USA | Madison Area Technical College | Asma LLC |
| Heidtman Steel | Turner Construction | Millerbernd Systems |
| Production Tube Cutting, Inc. | OMNISOURCE | Nucor Steel |
| ArcelorMittal | Disney ABC | The FABRICATOR® |
| Superior Joining Technologies, Inc. | Upstream Investment Partners | |
| FLATE-HCC | | |

LOOKING AHEAD TO SUMMER—GOLFERS WON'T WANT TO MISS



GENEVA NATIONAL RESORT

AUG. 24, 2015
Sponsorships Available

The third annual GOLF4MFG event takes place on Aug. 24, 2015. NBT invites 72 manufacturing professionals to bring their best game to the exclusive Arnold Palmer Course at Geneva National Resort in Lake Geneva, Wis. Guests will enjoy a full day of business and pleasure that includes networking, a plant tour, and 18 holes of golf.

Start the day by hopping aboard a shuttle that will take you on a morning tour of a local manufacturer, where you'll learn about a unique solution to space issues. Return in time for a buffet lunch and a brief welcome by FMA's president, Ed Youdell.

Next, hit the links at the prestigious Arnold Palmer Course of Geneva National. The course winds through the rolling woods of Lake Geneva, with three spectacular finishing holes along Lake Como. Arnold Palmer himself calls the Signature 17th hole one of his favorites, placing it as #11 in his personal "Dream 18" in the eastern part of the U.S. The Palmer Course has also been named Top 10 Wisconsin Golf Courses by both GOLFWEEK and Golf Digest. The day ends with a great dinner and networking cocktail hour.

You play—you support

Consider joining the fun! Bring your three favorite golf partners and send four students to a week-long summer manufacturing camp. There they will experience a hands-on approach to learning more about the manufacturing industry. Two foursomes will fund one scholarship for a student who is interested in pursuing a career in manufacturing.

To learn more: golf4mfg.nutsandboltsfoundation.org

BUILDING THE FUTURE^{With}



HAVE YOU HEARD ABOUT THE **PRESIDENT'S CHALLENGE?**



Ed Youdell, President & CEO of FMA and NBT, is passionate and concerned about the skilled labor shortage in America. He is taking a proactive approach to making a difference for this cause.

Through the President's Challenge, Ed is personally donating \$1,500 to NBT and challenging other industry presidents, CEOs, owners, and dedicated leaders to match his donation. He knows the importance of getting American students exposure to manufacturing and the need for them to learn critical knowledge and technical skills to succeed in the industry. Donations are tax deductible and support the programs of Nuts, Bolts & Thingamajigs. Visit the President's Challenge to learn more: nutsandboltsfoundation.org/presidentschallenge

"I hope you join me in this important journey to benefit the future of our industry and the young people who will be its future innovators and leaders."

WE'RE LOOKIN' GOOD!

Our website is now responsive and mobile ready.

In addition to our fabulous new look, we can now recognize our major corporate sponsors on every page. Companies like Mitsubishi Laser and Turner Construction that sponsored our 2014 GOLF4MFG event; SolidWorks, the donor since 2008 of Student Edition CAD-design software licenses for use by every student in an NBT summer camp and every scholarship winner; Reliance Steel & Aluminum, Kelly Services, and CNA Insurance that provide major funding for the summer camp program; and Production Tube Cutting & Disney/ABC that support our mission.

Don't miss the Student Resource page which is jam-packed with information on Manufacturing Day, camp videos, career opportunities, college information, and much more!

Our website has taken on a new look in 2015—Check it out at:

nutsandboltsfoundation.org



Exact JobBOSS

Another fundraiser was held in April at the Exact JobBOSS User Group meeting in Minneapolis. NBT was selected as the charity of choice by this organization and a social media campaign conducted before and at the event resulted in a \$2,000 donation to the foundation.

Thank you!



NBT AWARDS \$50,000 FOR SUMMER MANUFACTURING CAMPS—THE LARGEST CAMP SEASON TO DATE

Every summer, NBT awards grants to community and technical colleges that host summer manufacturing camps for students ages 12-16. The grants are used to help pay for the operational costs of running a summer camp. In addition to the monetary grant, NBT provides a 5-unit curriculum, safety manuals, entrepreneurial skills units, and a t-shirt for every camper.

Host colleges coordinate registration, plan activities, determine schedules for the students, choose

projects, provide instruction, and arrange tours to local manufacturers during these week-long camps.

Beginner camps include units working with steel, wood, and plastics exploring technologies like bending, CAD/CAM, CNC, cutting, lasers, welding, finishing, drilling, shearing, etc. Beginner camps can develop into advanced camps, where they work with robotics, hovercraft, biomedical technology, and product development projects, just to name a few.

Who does that?

Follow the link below to videos showcasing the amazing things students learn about in the camps held at Anoka Technical College in Minnesota.

Many students have chosen to participate in the biomedical technology camp because either they or a family member suffer from a serious medical condition. Through manufacturing, they learn how to understand it and how it can be improved or eliminated.

www.anokatech.edu/nbt



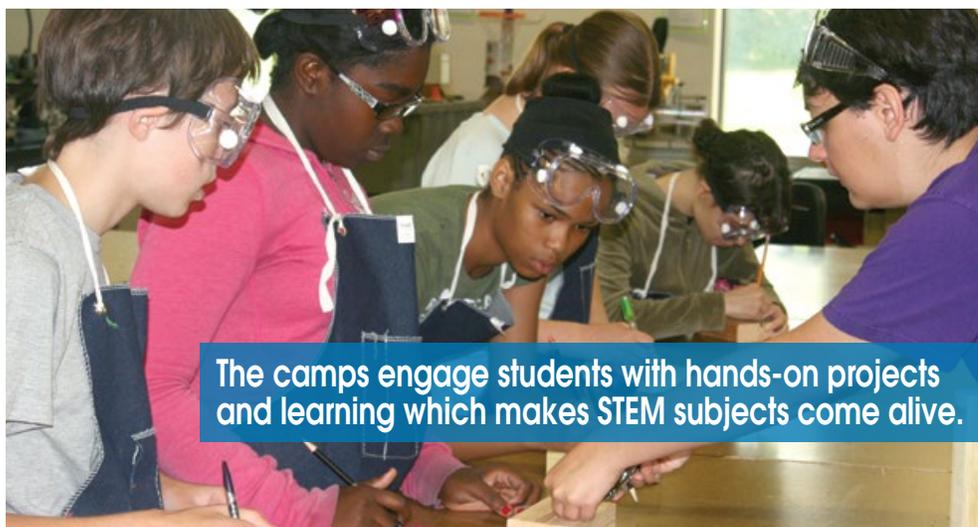
Building guitars at Sinclair Community College STEM Guitar Camp.



Assembling and racing power tool cars at Fox Valley Technical College.

Camps are nationwide and the list has been growing and changing each year. 2015 summer camps are taking place in these cities:

- | | |
|-----------------------|-------------------|
| Anoka, Minn. | West Bend, Wis. |
| Jonesboro, Ark. | Clarkesville, Ga. |
| Santa Clarita, Calif. | Rainsville, Ala. |
| Tampa, Fla. | Green Bay, Wis. |
| Oshkosh, Wis. | Ogden, Utah |
| Shawnee, Okla. | Cottleville, Mo. |
| Palatine, Ill. | Jackson, Mich. |
| Dearborn, Mich. | Hampton, Va. |
| Belden, Miss. | River Grove, Ill. |
| McAlester, Okla. | Berlin, N.H. |
| Manchester, N.H. | Zanesville, Ohio |
| Huntington, W.Va. | Appleton, Wis. |



The camps engage students with hands-on projects and learning which makes STEM subjects come alive.

See dates and details at:
nutsandboltsfoundation.org/camps

Prototype instruction at Triton College's GADgET (Girls Adventuring in Design, Engineering & Technology) Camp.



WE CARE

We believe in our mission and we hope you do too. Every dollar that we raise is invested in the programs of NBT while administrative costs are covered by FMA. You would know that your donations are well spent if...

- you could see the excitement in the children's faces the first time they hold a welding torch or create something using a CNC machine.
- you could see their pride when they build an electric guitar or make a remote control vehicle that they race at camp.
- you could read all of the Thank You notes from the scholarship winners, their parents, and relatives.

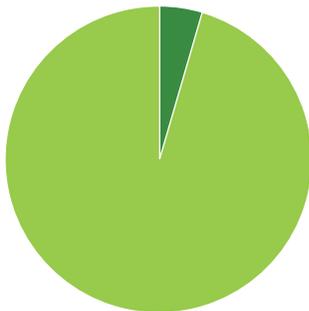
We'll do our best to share these stories with you in each issue of this newsletter and on our website. If there is something you want to know about NBT, please reach out and ask foundation@fmanet.org. Please like us on Facebook and follow us on Twitter which are both linked from our website: nutsandboltsfoundation.org.



NBT IS INTRODUCING AND INFLUENCING STUDENTS TO CONSIDER A CAREER IN MANUFACTURING

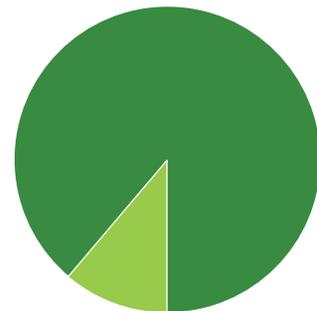
According to a Deloitte public opinion study:

90%



percent of respondents who believe the manufacturing industry is very important to America's economic prosperity

37%



percent of respondents would encourage their child to pursue a career in manufacturing

The data displayed in the section above was pulled from a 2014 Deloitte Public opinion study.