

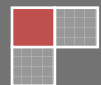


# Manufacturing Careers Internship Program Summer 2011

Recognition Event  
October 13, 2011

Presented by:  
**Workforce Board of Northern Cook County  
Business and Career Services  
Illinois workNet Center**

This program is funded with Workforce Investment Act grants provided by  
the Illinois Department of Commerce and Economic Opportunity



## WELCOME

Thank you for joining the Workforce Board, local workforce system partners and key stakeholders this evening in recognizing the achievements of the young adults and participating manufacturers in the first Manufacturing Careers Internship Program.

The Manufacturing Careers Internship Program is designed to help meet the overwhelming demand for qualified employees in the manufacturing sector. The Manufacturing Careers Internship Program directly addresses local workforce demand by providing mentoring, guidance, education and training to prepare youth for a rewarding career in manufacturing.

This program, and this evening, would not be possible without the support and commitment of the manufacturing leaders – those involved in this program and especially those here today. Thank you to each manufacturer who has given these young adults a unique and meaningful opportunity to better understand manufacturing and how it impacts us today. We hope your support will help to focus attention not only on job opportunities in manufacturing but also increasing your awareness of manufacturing as the cornerstone to our economy and growth.

Special thanks to Sandvik Coromant for hosting and sponsoring tonight's event.

**Sincerely,**

Jeff Rodriguez, Chair

The Workforce Board of Northern Cook County

### *Facts about Manufacturing*

In 2009 the average manufacturing worker earned \$74,447.

Manufacturing supports 18.6 million jobs in the U.S.

Manufacturing generates more than 70 % of all private Research and Development.  
Source: National Association of Manufacturers.

The emerging youth workforce is finding it more difficult to gain valuable on-the-job experience due to a lack of summer jobs.  
Source: 2011 EMSI Report

**Manufacturing Careers Internship Program**  
**Sandvik Coromant**  
**1665 N. Penny Lane**  
**Schaumburg, IL 60173**

**October 13, 2011**

- 6:30 pm** Reception – Provided by Sandvik Coromant
- 7:00** Welcoming Remarks – Honorable Al Larson, Mayor of Schaumburg  
Introduction – Jennifer Stasch, Executive Director, The Workforce Board of Northern Cook County
- 7:15** “Made in America” – Jim Feltman, Vice President, Schaumburg Center for Economic Development
- 7:30** Manufacturing Careers Internship Program Overview  
Rand Haas, Project Manager
- 7:40** Recognition and Certificates of Appreciation  
Al Saulys, Director; and Mohammed Faheem, Employer Services, Manager; Business and Career Services
- MCIP Interns
  - Participating Manufacturers
- 8:00** Intern Testimonials
- Jose Verduzco
  - Keyontae’ Thomas
- 8:15** “Changing how American Manufacturing is Perceived” – Terry Iverson, President, Iverson & Co.
- 8:30** Tour of Sandvik Coromant, Rob Page, Productivity Manager, Sandvik Coromant

## **State of Manufacturing**

### **Too Many Jobs, Not Enough Qualified Employees**

The National Association of Manufacturing estimates there will be a critical shortage of skilled workers needed by America's manufacturing industry. Estimates range from 500,000 to 1 million job openings currently available – and not enough qualified workers.

### **Increasing Need for Qualified Workers in Manufacturing**

Despite recession job losses, the skilled worker gap is still plaguing manufacturing. According to a leading Talent Shortage Survey, the manufacturing industry is changing dramatically in terms of needs, talents and the opportunities and training required. It is estimated there will be more than 180,000 manufacturing-related job openings in the seven-county Chicago area in the next five years.

Technological improvements and sophisticated equipment require advanced training, knowledge and skills. In recent studies, companies report they simply cannot find individuals with the skills required for today's advanced manufacturing workplaces. The technology infusion and high productivity that dominate the advanced manufacturing landscape demand a smart, safe, and sustainable manufacturing workforce.

Compounding the talent shortage is the image problem of manufacturing. The common stereotype of harsh labor conditions and low-paying, repetitive jobs is no longer reality. Manufacturing has not done enough to change this image. Another problem with the skilled worker gap is that manufacturers do not actively recruit high school students unlike colleges, universities and the armed services.

### **Opportunity for successful Careers**

It is no wonder that too few of today's youth are knowledgeable of the high-paying career opportunities available in the manufacturing sector. Even fewer have the skills, training or experience required for success in the industry. Industry sources show the average employee in manufacturing makes \$73,000 a year, compared to the average income of \$52,000 per year for employees in the service industry.

## Manufacturing Career Internship Program Overview

Too few of today's youth are knowledgeable of the career opportunities available in the manufacturing sector. Even fewer youth have the skills, training or experience required for success in the industry. This has resulted in a shortage of skilled workers needed by the manufacturing industry, with more than 180,000 job openings in the next 5 years in the Chicagoland area. The MCIP is a solution manufacturers can commit to in addressing this issue and preparing the future workforce for the jobs today and the careers of tomorrow.

MCIP was designed to provide WIA-eligible youth with a meaningful work experience in the manufacturing sector, expose youth to opportunities and career paths available in manufacturing, and provide the youth the training needed to achieve success in the industry. MCIP achieved its goals in this first round with 17 youth interns gaining the skills, knowledge and opportunity. MCIP has successfully created a prepared and trained pipeline of qualified employees for the manufacturers.

The program's success is driven from a highly collaborative 4-step approach that involves leading manufacturers, economic and workforce development professionals and industry associations.

Step1 – **Manufacturing Boot Camp** provides an overview of manufacturing careers, compensation, and working conditions in order to change the perceptions of the interns about manufacturing and learn about career paths and training required.

Step 2 – **Manufacturing Ambassadors** are Leaders in the industry. These leaders guided the program, provided onsite training, and led tours of the manufacturing facilities.

Step 3 – **Mini job fair** brought together the interns and manufacturers to interview and meet before the internship.

Step 4 – **Frequent worksite meetings with workNet program staff** during the 8-week internship assured that both the employer and intern were benefiting from the experience.

### ***Where are the interns today?***

*9 have been offered  
employment..*

*6 are attending  
Post-secondary education.*

*3 have chosen a  
different career path.*

## **MCIP Manufacturing Ambassadors**

### **DMG / Mori Seiki - USA**, Hoffman Estates

Since its founding in 1948, DMG / Mori Seiki – USA is recognized as an innovator in the machine tool industry. Mori Seiki challenges conventional ideas and existing approaches and supports customers' production by utilizing high levels of technical skills to integrate creative, cutting-edge ideas into products. Mori Seiki has delivered more than 180,000 machines worldwide, and as the number suggests, sincere efforts in providing good quality products have gained trust and confidence from customers. Mori Seiki has grown to become a leading company in the machine tool industry.

### **Fanuc Robotics**, Hoffman Estates

FANUC Robotics industrial robots and automation solutions cover a wide range of applications for the aerospace, automotive, consumer goods, food, metal fabrication, medical, pharmaceutical, solar panel, and many other industries. FANUC Robotics America is the robotics industry leader with over 100,000 robots installed in the Americas and 220,000 robots installed worldwide.

### **Iverson & Co.**, Des Plaines

Iverson & Company was founded in 1931 by Edward A. Iverson. Since the beginning, Iverson's philosophy has been quality and full service. Iverson provides products and service to manufacturers in Illinois, northwest Indiana, Wisconsin, & Michigan's Upper Peninsula. Iverson has in house personnel ready to assist in any workholding needs, as well as repair parts. Iverson boasts an applications department with over 60 years of combined experience to help with support needs and servicemen with over 70 years of combined experience.

### **Mazak Corporation**, Schaumburg

Mazak Corporation is the North American manufacturing, sales and support arm of the leading international machine tool builder, Yamazaki Mazak Corporation (Oguchi, Japan). Mazak produces machine tools and systems for the precision machining of metal parts as well as software solutions to help customers achieve lean, efficient manufacturing operations. Modular, flexible machine designs require a flexible workforce as well; Mazak associates receive extensive training and cross training. This gives a degree of flexibility in assignments and allows associates to see and understand much more about the complete product manufacturing flow.

## MCIP Participating Manufacturers

### **Angiotech**, Wheeling

Angiotech is a global specialty pharmaceutical and medical device company that discovers, develops, and markets innovative technologies and medical products primarily for local diseases or for complications associated with medical device implants, surgical interventions and acute injury. The company's initial lead product, the TAXUS® drug-eluting coronary stent is implanted in over five million patients worldwide. Angiotech brings the power of biology and pharmaceutical sciences to the hands of the surgeon and interventionalist to make their procedures more effective and safer for the patient.

### **Arrow Plastics**, Elk Grove Village

Arrow Plastic Manufacturing Company was founded in 1961. Arrow is proud to offer high-quality, durable consumer products at an extraordinary value. Arrow is a market leader in innovation with a diverse product line. Arrow designs, manufactures and distributes items in hydration, tabletop, kitchen, cleaning, garden, storage and juvenile specialty products. Arrow strives to reduce greenhouse gas emissions, solid waste, and water usage that continually threatens the ecosystem. All plastic scrap, used corrugated containers, wrapping materials and pallets are recycled.

### **Bley, LLC**, Elk Grove Village

Bley, LLC uses its cutting-edge innovative technology to build state-of-the-art systems to help companies be more efficient and productive. Bley manufactures high-precision components for a wide range of companies in Alternative Energy, Oil and Gas, Heavy Transportation, Mining, Defense, Construction, Aerospace, Packaging, Medical, Nuclear and Graphics Printing and other industries.

### **Dynomax**, Wheeling

For over 25 years, Dynomax has been the leading designer, manufacturer and supplier of standard and custom spindles for virtually any application, in any industry. Over 500 standard spindles are available, from multiple styles and countless options. From lightweight, compact spindles that can fit into tight spaces, to robust, heavy-duty spindles that can tackle the toughest jobs in harsh environments.

**E.J. Basler**, Schiller Park

For over 25 years, E.J. Basler Co. has continued to grow to meet customers' needs for precision machined parts through a commitment to quality and exceptional service. E.J. Basler's team-concept insures the highest quality, and cost effective solutions, competing to make the best products at the best total cost. Team-based manufacturing creates a customer-driven culture to reduce waste and costs and has produced millions of parts with zero defects.

**Kitagawa-NorthTech**, Schaumburg

Kitagawa-NorthTech offers the highest level of workholding solutions, global engineering collaboration and support throughout North and South America. As a world leader in workholding solutions for the majority of major lathe manufacturers, Kitagawa-NorthTech delivers comprehensive product offerings including standard three-jaw chucks, quick change chucks, custom engineered workholding solutions, super large bore chucks, steady rests and more!

**Keats Manufacturing**, Wheeling

Keats Manufacturing was founded in 1958 on one simple principle: Build the best product through the best process that will satisfy each customer's needs. Although times and technology have changed the fundamental principle has not. Keats provides its customers with a team of talented and experienced professionals who work together throughout the manufacturing process, from design through production. Keats manufactures an extensive span of parts for industries ranging from automotive to small appliance to electronics.

**Nu-way Industries**, Des Plaines

Nu-Way Industries, Inc. is a leader in the design and fabrication of precision metal products serving growing industries worldwide. Nu-Way engineered and manufactured products can be found throughout the world. Nu-Way Industries, founded in 1968, has grown from a small job shop to a vertically integrated, technology-focused provider of literally thousands of high-quality precision metal parts, metal housings and electronic enclosures. Nu-Way has a wealth of engineering and manufacturing talent, a broad scope of service capabilities and a strong allegiance to technological advancement.

**Spartanics**, Rolling Meadows

For 48 years Spartanics has been engineering and manufacturing automated equipment. Spartanics has the best-in-class finishing equipment --- Laser Die Cutting, Steel Rule and Hard Tool Die Cutting Systems, Plastic Card Punching Systems, Screen Printing Lines, Plastic Card Inspection and Paper and Plastic Card Counters.

**Sandvik Coromant**, Schaumburg

Headquartered in Sandviken, Sweden, Sandvik Coromant is the world's leading producer of tools for turning, milling and drilling. It is represented in 130 countries worldwide and has over 8 000 employees. Sandvik has customers throughout the metalworking field including the world's major automotive and aerospace industries, the die and mould industry and general engineering.

**R.A. Zweig**, Glenview

Founded in 1979, R. A. Zweig, Inc. has earned a reputation of being a world-class manufacturer of complex and ultra-high-precision, custom machined components for today's most advanced industries. At R. A. Zweig, they make the "impossible" – possible. Some of the most demanding customers, like Rolls-Royce, Goodrich, the Israeli Defense Ministry, Bosch, Pratt & Whitney, Woodward and many others, trust the expertise at R.A. Zweig for their special needs.

## MCIP Interns

### **Vichika Ath** – Mount Prospect

Working with robotics was a new experience for Vichika during his successful internship at **Nu-way Industries, Inc.** Vichika, recent graduate from Buffalo Grove High School, demonstrated his commitment to his future and a career in manufacturing by showing up to work every day two hours before his 7:00 a.m. shift because that was when he could get a ride. Robotics and manufacturing are two new interests for Vichika.

### **Josh Barrett** – Arlington Heights

Josh found a new interest in Computer-Aided Design and Computer-Aided Manufacturing during his successful internship at **Arrow Plastics**. Josh used CAD and CAM software for the first time and helped in the development of an evacuation plan. A graduate of Prospect High school, Josh is now exploring careers and education in manufacturing; and even attended the Manufacturing and Design Show at McCormick Place to learn more.

### **Craig Beahan** – Elgin

Craig is a student at Elgin Community College where he is pursuing an Associate Degree in Computer Forensics. Craig was able to use his technology skills during his successful internship at **Sandvik Coromant** including going out on sales calls to customers. Craig enjoyed every aspect he was exposed to in manufacturing and is hoping to work in the industry to help finance his college education.

### **William Boyd** – Buffalo Grove

William's hard work as an intern at **Keats Manufacturing** was recognized by his supervisor in the quality control department, who described William as a good operator with good output in doing the final inspection work. William is currently attending Harper College and because of the Manufacturing Careers Internship Program, is seriously exploring career opportunities in manufacturing.

**John Currey – Palatine**

John had no previous work history prior to his internship at **Bley**; which made it even more exciting and valuable when he was able to work with the head engineer and learn blueprint reading. John currently attends Harper College and is interested in exploring careers in manufacturing, especially the quality control side of the industry. Bley has offered employment to him.

**Rianne Devenny – Schaumburg**

Rianne has used her time as an intern at **Spartanics** to 'branch out' and see if she likes manufacturing; before Internship Program she never even considered manufacturing as an option. Rianne demonstrated good attention to detail and was able to catch problems during her internship where she was successful in a variety of jobs - from assembly to front office work. Rianne is working on her GED now, planning on attending Harper College and considering a future in manufacturing.

**Neemesh Gala – Arlington Heights**

Neemesh successfully completed an internship at **Bley** and found the work he did in data entry and the opportunity to work with the head engineer and learn blue print reading as interesting and enjoyable. Neemesh is working to obtain his Associate Degree and will now be taking some pre-engineering classes to learn more about the work and industry. Bley has offered Neemesh a job which would help finance his college education.

**Eric Himmelblau – Wheeling**

Eric had already been pursuing his career in engineering as a recent graduate of Wheeling High School, where he participated in Project Lead the Way and as a current engineering student at Iowa State University. As an intern at **Spartanics**, Eric used his education to assist with trouble shooting and was able to catch what could have been a costly problem while wiring electronic components to the machine. Eric's successful internship has reassured him he has chosen the correct career path.

**Juaquin Lopez – Hoffman Estates**

Juaquin never considered a job in manufacturing when he was looking for a job after he graduated from Conant High School; but was very excited to be placed at **R.A. Zweig**. Demonstrating his commitment to the program and his ability to learn quickly, Juaquin has been offered a job at R.A. Zweig and his goal is obtain his NIMS Certification as a CNC Operator.

**Marivel Medina Morales** – Palatine

An attention to detail, an ability to work well with others, able to take direction and give direction well – these are just a few of the ways Marivel’s supervisor described her as she successfully finished her internship at **Keats Manufacturing** and was offered a full-time job. Marivel is dedicated to her new-found interest in manufacturing and is committed to continuing to work hard on her new job to help provide for her family while taking classes at Harper College.

**Jason Miller** – Mount Prospect

Jason is a graduate of Prospect High School and successfully completed an internship at **Kitagawa-Northtech**. Jason learned many things about manufacturing including inventory and the need for precision and proficiency in all aspects of manufacturing. The internship opportunity sparked a new interest with Jason and he is exploring education and training options in manufacturing to earn NIMS Certifications and become a Programmer.

**Claudia Rodriguez** – Palatine

Claudia enrolled in the internship program in order to learn about career opportunities and support her family. Claudia was given the opportunity to work in molding during her internship at **Angiotech**. Claudia’s inquisitive nature had her asking the right questions and learning something new every-day while determined to do a better job at each task. Claudia’s hard work paid off, and she was hired full-time at Angiotech.

**Sean Sweeney** – Arlington Heights

Sean’s first goal after he graduated from Prospect High School was to find a summer job. Sean learned about the internship program and decided to give it a try – it was a job and he would earn money. Sean knew little about manufacturing when he enrolled but that quickly changed and he was excited about all that he did learn during his internship at **Dynomax**. Sean recently began attending Harper College and looks back on his internship and the skills he learned as a deciding factor in choosing his career path.

**Keyontae' Thomas** – Hanover Park

Keyontae' was working at Culvers and knew he wanted to do more when he heard about the internship program from a friend. Keyontae' enrolled in the program to learn about manufacturing, jobs, and careers. **Iverson & Company** was just the place to give Keyontae' an introduction to manufacturing and CNC machines. Keyontae' can tell you in great detail about the CNC machines he cleaned and stripped down. Keyontae's supervisor can tell you how hard he worked, taking direction well and taking the initiative to get the job done. As a result, Keyontae' has been hired as a full-time employee at Iverson.

**Precious Thomas** – Schaumburg

Precious is a recent graduate of Hoffman Estates High School and is attending classes online at the University of Phoenix. Precious plans to pursue a career in Human Resources, and has gained much knowledge about business, employees, team work and the manufacturing industry during her internship at **E.J. Basler Co.** Precious understands that work experience in the machine shop or quality control can help her better understand the human resource needs of a manufacturing company in the future.

**Jose Verduzco** – Palatine

"This was a great program, I feel it gave me a huge opportunity in life that I would never have thought I could get," is how Jose described his internship experience at **Fanuc Robotics**. When Jose was laid off from his job as a cook, he enrolled at workNet to begin exploring new career opportunities. As a result of his hard work during his internship, Jose is on his new career path; he has been hired to work in the shipping and receiving department at Fanuc Robotics. Jose is looking to attend Harper College in the spring and majoring in engineering.

**Jason Williams** – Buffalo Grove

Jason has always enjoyed working with his hands and felt like the internship program would help him identify a possible career path. During his internship at **Iverson & Company**, Jason learned that to be a good worker you have to learn from the ground up, doing backroom jobs such as cleaning and stripping down CNC machines. As a result of Jason's determination to learn on the job and work hard, Jason has been hired as a full-time employee at Iverson - Jason is on his way along a promising career path.

## Illinois workNet Center

The workNet Center and its affiliates are the most comprehensive employment, business services and support resource in Northern Cook County. A team of professionals offer job seekers and businesses of any size highly efficient and effective recruitment, hiring and training expertise and assistance.

**Career Resources:** Research employment, industry, and labor trends to help you identify prospective career choices and career paths.

**Computer Access:** Free access to computers, internet, fax machines, and copy services for job search purposes.

**Workshops:** A wide variety of workshops are offered to help you obtain or enhance your skills or to provide skills to help you land that next job. Improve your computer skills, get help with your resume, learn interview techniques, money management and much, much more...

**Training Assistance:** Assess your interests, skills, and experience and pinpoint educational opportunities for employment success. You may be eligible for a training scholarship to help you upgrade your skills or prepare for a new career.

**Volunteer Opportunities:** Our robust volunteer program offers job seekers a way to network, hone their skills, and provide a valuable service during their job search. Our volunteers are among the most successful in landing new job opportunities.

**Jobs:** Connect with real job opportunities. View the job boards at our service sites. Learn how to navigate web based job boards and upload your resume to our site to connect with real employers searching for local talent. We host employer recruitment events regularly at the center and at sites throughout the community.

**Youth Programs:** Programs and services designed to help eligible school youth between the ages of 16-21 gain the skills and education necessary to obtain and maintain employment

**Recruitment and Hiring:** Easy access to a large pool of highly motivated, job candidates, from professionals to technicians to skilled laborers. Your company may also be eligible for On-the-Job Training incentives to help defray the cost of hiring and training a new employee.

**Market Data and Analysis:** Get actionable labor market data that can help your business gain market insight through current statistics and demographics, local and area-wide labor information, wage and salary analysis and more.

**Business Seminars and Networking:** We offer a variety of workshops and seminars designed to keep employers up-to-date on best employment practices, trends and solutions for employers. We also offer networking events that provide a collaborative forum to exchange ideas and information with other area businesses and organizations.

**Outplacement Services:** Your business can use our network for assistance with a wide range of job transition and outplacement services for both individuals and employees groups. Rapid Response programs are also available to support employers with efforts to help employees affected by layoffs and closings.

**Financing Resources:** Illinois workNetNCC can help connect your business with government agencies and other area resources that could provide financing for employee training, business expansion and more.



[WWW.WORKNETNCC.COM](http://WWW.WORKNETNCC.COM)



