

ARROW GEAR News

A Publication of the
High Precision Specialists

Volume 19, Number 2

Fall 2001

Arrow takes delivery on new Gleason Phoenix machine tools

Arrow has recently added two new machine tools that will enhance the company's precision manufacturing capabilities.

In late Spring, Arrow took delivery of a third Gleason Phoenix 200 CNC Tooth Grinder. This machine complements Arrow's bevel gear tooth grinding department with its ability to machine smaller parts. Capable of fast, accurate machining of up to 8" diameter parts, the new Phoenix offers

production flexibility when combined with Arrow's existing Phoenix tooth grinders which are capable of 16" parts.

The high precision technologies of the Phoenix tooth grinders allow for integration with Arrow's CCM Closed Loop system. The CCM system allows for machine settings to be directly downloaded from engineering files. Adjustments are made automatically and setup can

typically be achieved in eight hours or less, as compared to the 40 hours required with conventional tooth grinders.

This capability offers a significant cost savings to Arrow's customers and is ideally suited for repeat jobs and small lot quantities.

A Gleason Phoenix 200 GH CNC Hobber was also installed in June. This precision spur tooth cutting machine is capable of producing parts up to an 8" pitch diameter. Currently, Arrow has two other Gleason Phoenix Hobbers, which are 125 and 400 models. The new hobber complements the existing machines by providing a greater production flexibility in regards to size.

These recent acquisitions highlight Arrow's ongoing commitment to offering the latest in gear manufacturing technology.



The addition of a third Gleason Phoenix tooth grinder will supplement Arrow's ability for precision tooth grinding operations.

10-Year Service Awards Dinner cancelled

Funds donated for disaster relief efforts

Each Fall, since 1971, Arrow has held its annual 10-Year Service Awards Dinner as a way of recognizing employees that have been with the company for ten years or more. However, this year's dinner was canceled due to the national tragedy which took place on September 11th.

According to Mary Ann Cervinka, Arrow's Personnel Manager, the cancellation of the dinner seemed to be the most appropriate action.

"After watching the images of the devastation, going ahead with organizing and planning

our annual party just didn't seem right," Cervinka explained.

Desiring a way to contribute to the relief efforts, Cervinka felt that donating the funds that were budgeted for the event would be a positive gesture on behalf of the company. This suggestion was presented to, and supported by Arrow's management, as well as the members of Arrow's 10-Year Club.

As a result, a donation of \$10,000 was made to the New York Firefighters 9-11 Relief Fund, in care of the

International Association of Firefighters.

As Arrow still wishes to recognize the recipients of this year's awards, a presentation ceremony was planned for November 7th at Arrow's Downers Grove facility. ❖

For those who would like to contribute to relief efforts, please send donations to:
New York Firefighters 9-11
Disaster Relief Fund
c/o International Association
of Firefighters
P.O. Box 65858
Washington, DC 20035-5858

In Memorial



Veronica M. Pielsticker
1917 - 2001

Recipients of Arrow's 10-Year Service Awards

35 Years

John Allen, Francisco De Alba

25 Years

Juan Alvarado, Jose T. Garcia, Valerie Kappel, Ralph Martinez, Nicholas Robles, Robert Wasilewski

20 Years

Terry Anderson, Alvaro Padilla, Michael Steele, Leroy Trinkle

15 Years

Michael Cervinka, Jesus Garcia, John Langley, Carlos Padilla, Sidronio Padilla, Russell Smith

10 Years

Virgil Houser

Arrow exhibits at Gear Expo trade show

In October, Arrow participated in Gear Expo 2001.

The Gear Expo, which took place at Cobo Center in Detroit, Michigan, is sponsored by the American Gear Manufacturers Association. Held every other year, Gear Expo is the only international trade show devoted exclusively to the gear industry. This provides a valuable opportunity for Arrow to display a variety of products and communicate to booth visitors the high precision capabilities that Arrow has to offer.

The show has grown over the years since it began in 1987.

This year's show, which took place from October 7 - 10, consisted of over 53,000-sq. ft. of exhibitor space and was attended by industry people from all over the world.

In conjunction with the Gear Expo, the AGMA held its Fall Technical Meeting. During these sessions, Arrow personnel

were on hand for presentations detailing R&D activities on a wide variety of gearing issues. Also, speakers presented valuable information on trends in the Gear Industry and on standards for gear tolerances.

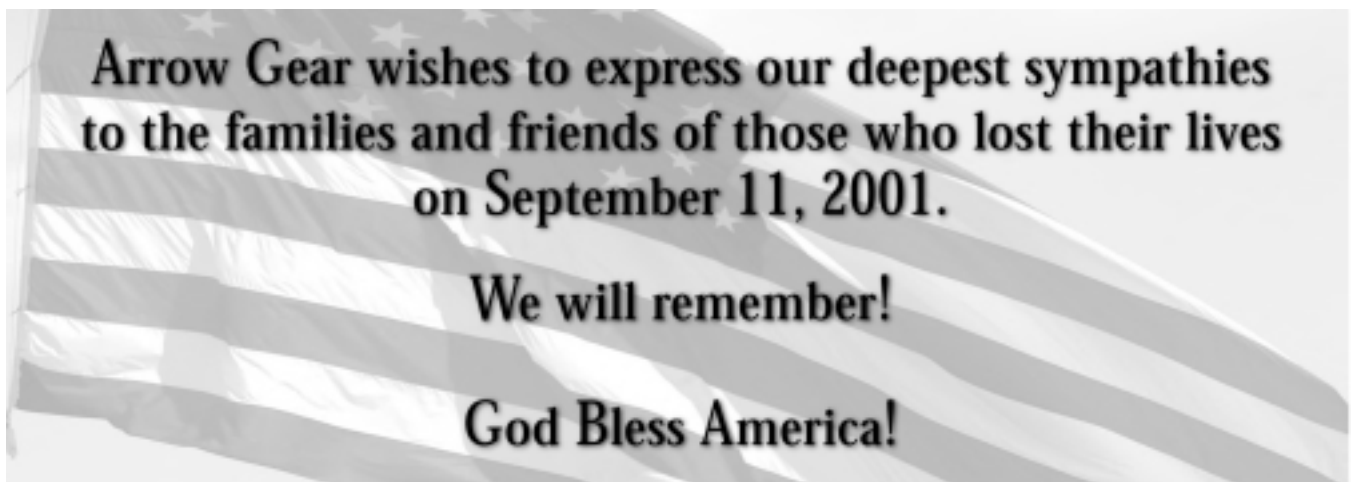
Arrow's trade show booth was hosted by several Arrow employees including Joe Arvin, President; Gary Lynn, VP of Sales and Marketing; and Bob Wasilewski, Design Engineering Manager. In addition, a number of Arrow's sales reps were in attendance to meet with visitors.

Arrow's booth featured a wide variety of sample gearing, highlighting the diverse products that Arrow is capable of producing. Also, an orientation video entitled, "Arrow Gear: Committed to Being the Best" was presented. ❖

Gear Expo is the only international trade show devoted exclusively to the gear industry.



Arrow's booth at Gear Expo featured a wide variety of sample gearing, as well as a video program which provided visitors with a company overview.



CD-ROM programs available for release

Two new CD-ROM based programs are now available for release.

The first program, entitled, "Arrow Gear's Design and Development Capabilities" presents a detailed look at Arrow's expertise pertaining to gear design. The program addresses basic concepts such as tooth contact pattern and gear displacement, as well as more advanced subjects, such as the specific methods used by Arrow to develop a contact pattern through computer modeling and finite element analysis.

Methods used by Arrow for gear design and development represent the latest technologies. This program endeavors to present these complex technologies in a concise and understandable way.

The second program is entitled, "Arrow Gear's E-Publication Gallery." From this disk, the viewer can access an interactive overview of Arrow's operation, selecting from a menu of different topics on the company. Also included on this disk are versions of Arrow's print brochures in .PDF format.

For those wishing to receive copies of these programs, please contact Jodi Apostle at (630) 969-7640 x241. ❖

New Vision Statement

In August, Arrow published an update of our Vision Statement, highlighting the scope of our operation. If you would like copies of this document, please contact Jodi Apostle at (630) 969-7640 x241.



**Arrow Gear's
Vision Statement**

We are dedicating all of our resources to achieving on-time delivery, unparalleled quality, and competitive pricing to ensure customer satisfaction. We are committed to a safe and financially secure work environment for all of our employees. Arrow Gear has the most modern machine tools, the best in computerized work-in-progress and business controls, and the personnel to effectively manage all these resources. We are well on our way, in the 21st century, to achieve the highest standards in the worldwide gear manufacturing community.


James J. Cervinka
James J. Cervinka
Chairman of the Board/CEO


2301 Curtiss Street
Downers Grove, IL 60515
(630) 969-7640
www.arrowgear.com

Arrow Gear News

PUBLISHED BY:
Arrow Gear Company
James J. Cervinka
Chairman of the Board

PRODUCED BY:
APEX Media Solutions, Inc.

2301 Curtiss Street • Downers Grove, IL 60515
(630) 969-7640 • Fax: (630) 969-0253
www.arrowgear.com