

# EDWARD C. BARCIKOWSKI, JR.

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•P.O. Box 6100, St. Cloud, MN 56302 •  
Business: 320-253-7968  
Cell: 651-249-8104  
Home: 651-697-0422

## SUMMARY

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Metallurgical Engineer with over 35 years of experience in commercial heat treating including managing entire heat treating operations. Experience includes management of maintenance departments, purchasing and installation of heat treating equipment, process engineering and quality control as a production metallurgist, plant metallurgist, plant manager and vice president/general manager.

## EXPERIENCE

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METALLURGICAL ENGINEER  
*Engel Metallurgical Ltd.* SEPTEMBER, 2007 TO PRESENT  
*St. Cloud, MN*

Provide metallurgical consulting services to clients in manufacturing industries.

Perform failure analyses of metal products.

Assist manufacturing clients with materials and process selection and problem solving.

Develop and review process specifications.

VICE PRESIDENT/GENERAL MANAGER OF  
PRODUCTION HEAT TREATING DIVISION  
*Metal Treaters, Inc.* NOVEMBER, 1992 TO AUGUST, 2007  
*St. Paul, MN*

Responsible for establishment of production heat treating division including purchase and installation of equipment, process engineering, quality control, sales and marketing, customer service and environmental and safety compliance.

Developed Metal Treaters' capability to provide carburizing, carbo-nitriding, quench and tempering, induction hardening and salt bath nitriding services.

VICE PRESIDENT AND GENERAL MANAGER  
*Getchell Steel Treating Co., Inc.* FEBRUARY, 1988 TO NOVEMBER, 1991  
*Bloomington, MN*

Responsible for oversight of administration, financial operations, technical advice, production, quality control, safety and environmental compliance, and daily operations.

VICE PRESIDENT AND GENERAL MANAGER  
PLANT MANAGER AND PRODUCTION METALLURGIST  
*Twin City Steel Treating Co., Inc.* SEPTEMBER, 1977 TO FEBRUARY, 1988  
*Minneapolis, MN*

Responsible for production, quality control, customer service and technical assistance, environmental and safety compliance.

PRODUCTION METALLURGIST  
*Lindberg Heat Treating Co., Inc.*

AUGUST, 1975 TO SEPTEMBER, 1977  
*Minneapolis, MN and Chicago, IL*

Setup processing cycles for various heat treating furnaces, performed all required quality control testing.

Provided customer service and technical assistance.

CHIEF ENGINEER  
*Salkover Metal Processing of Illinois, Inc.*

JUNE, 1972 TO AUGUST, 1975  
*Franklin Park, IL*

Setup processing cycles for various heat treating and copper brazing furnaces.

Provided customer service and technical assistance.

### **TEACHING EXPERIENCE**

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METALLURGY FOR MACHINE TOOL 1993  
*Minnesota Riverland and Albert Lea/Mankato Technical Colleges* MN

METALLURGY AND THE HEAT TREATMENT OF TOOLS AND DIES 1988  
*St. Mary College* Winona, MN

METALLURGY AND THE HEAT TREATMENT OF TOOL STEELS 1988  
*Mankato Area Vocational/Technical Institute presentation* MN  
*at 3M Company, St. Peter Facility*

METALLURGY AND THE HEAT TREATMENT OF TOOL STEELS 1977  
*Mankato Area Vocational/Technical Institute* Mankato, MN

### **PRESENTATION EXPERIENCE**

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Numerous presentations for trade associations including Minnesota Precision Manufacturing Association, Minnesota Mold Builders' Association, Screw Machine Association on the heat treating of their products and related heat treating problems.

### **EDUCATION**

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BACHELOR OF SCIENCE, METALLURGICAL ENGINEERING 1972  
*University of Illinois* Chicago, IL

### **PROFESSIONAL**

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Member of the Minnesota Chapter of ASM International and the ASM Heat Treating Society  
Chairman, 1992-1993.