

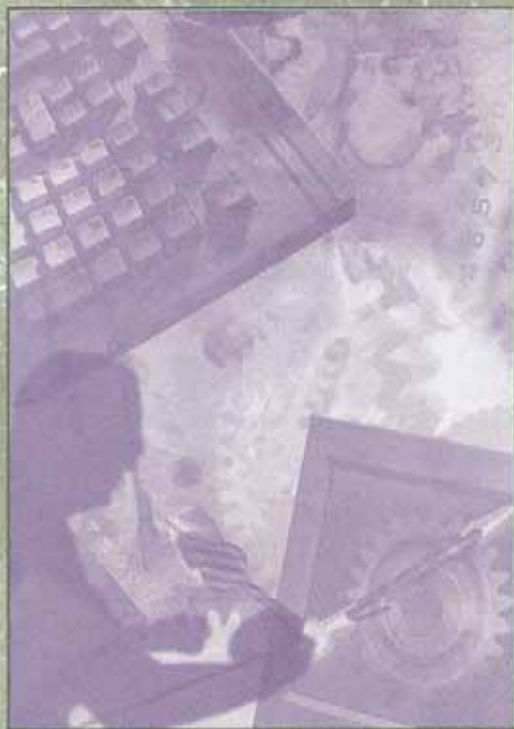
POWDER

METALLURGY

TECHNOLOGIST

CERTIFICATION

PROGRAM:



What's In It For You?

PMT
CERTIFIED

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*he answer is:
a lot. You may
wonder if it is
worthwhile.*

*The answer is: definitely
yes. The Powder Metallurgy
Technologist (PMT)
Certification Program was
created by APMI
International to recognize
individuals with defined
bodies of knowledge
encompassing the broad
field of powder metallurgy.*

Why Become Certified?

With continuous growth and change in the powder metallurgy industry, there is a need for a workforce knowledgeable in all facets of the field. Obtaining PMT Certification has many benefits to you as an individual and to the P/M industry. Here they are:

Career Advancement—

The PMT designation after your name lets your employer and others in the industry know that you have demonstrated a comprehension of a specified body of knowledge. You will be promoting your skills to the industry and general public while developing your professional pride.

Increased Proficiencies—

For each individual, the PMT examination will contain some familiar areas of powder metallurgy. However, the examination is broad-based and covers seven different areas of P/M. Just by studying for the examination, you will be introduced to new or less-familiar areas of P/M. This will increase your understanding of the entire technology.

Peer Recognition—

When you receive your PMT Certification, you will be recognized with an official certificate. You will also be recognized by your employer, listed in all APMI publications, including the *Who's Who in P/M* and the *International Journal of Powder Metallurgy*, on our Web site, and honored at one of your local chapter meetings. Your peers will acknowledge your accomplishment. They will recognize your knowledge of the field of P/M and respect you for having the self-discipline to study for, and take, the examination.

The P/M Industry Also Benefits By:

Promotion of High

Professional Standards—
PMT Certification identifies a high level of P/M performance and elevates professional standards.

Increased Credibility to Your Organization—

Prospective customers will see the PMT designation among your employees which spotlights your company's commitment to educational upgrading of employee technical knowledge.



"We have experienced positive results and effects from the PMT certification program. Not only in the personnel who have passed the examination, but also in those who are studying for the examination.

- More critical thinking and analysis of the materials and P/M process rather than a focus on our core product.

- More professionalism in vocabulary and terminology used.

- A better understanding of the customer's process and problems. Those passing the examination are given corporate recognition and APMI International Chapter recognition, giving them a sense of pride in their achievement."

*Robert A. McKotch
President - Press Division
Gasbarre Products, Inc.*

Growth of Qualified Personnel—

PMT Certification will promote the increase in the pool of qualified personnel in the industry.

What Are the Requirements to Become Certified?

There are two levels of PMT Certification:

PMT Level I certifies basic knowledge of the general principles, practices, and terminology associated with the broad fields of powder metallurgy and particulate materials, as measured by a written examination which is confined to a specified body of basic knowledge. No formal education or work experience is required.

PMT Level II is for those with advanced knowledge, training and experience in powder metallurgy, as measured by a written examination covering a broad body of knowledge. In addition, applicants must first hold Level I certification for a minimum of one year prior to admittance to the Level II examination, and must meet specific educational and active employment requirements.

What Is Required To Maintain Certification?

For recertification at PMT Level I, there are two options:

- (1) Recertify every five years by successful completion of the Level I recertification examination, or

- (2) Accumulate a minimum of 15 professional credits every five years.

For recertification at PMT Level II, there are two options:

- (1) Recertify every five years by submitting evidence of continuing education related to the field of powder metallurgy technology, and by successful completion of the Level II recertification examination, or

- (2) Accumulate a minimum of 35 professional credits every five years.

How Do I Prepare for the Certification Examination?

Questions for both Level I and Level II will cover several areas which make up the "Body of Knowledge."

PMT Level I:

- P/M Materials, Applications and Finished Properties
- Powder Manufacturing Methods and Principles
 - ferrous, non-ferrous
 - atomization, oxide reduction, electrolytic production, blending
- Powder Characterization
 - particle size, apparent density, flow, compressibility, green strength, chemical composition
- Compaction
 - basic principles, methods, tooling, press types
- Sintering
 - basic principles, furnaces, atmospheres, solid state, liquid phase
- High Density and Specialty Processing
 - P/F, MIM, HIP, CIP, plasma spraying, controlled porosity
- Secondary Operations
 - sizing, machining, heat treating, plating, deburring, joining, coining, carburizing, impregnation, steam treating

PMT Level II:

The body of knowledge categories for the Level II examination are the same as the Level I with the addition of the following topics:

- SPC/SQC in the P/M Materials, Applications and Finished Properties category
- Ceracon in the High-Density and Specialty Processing category

A list of reference materials recommended for study relative to the body of knowledge is available on the Web site, www.apmiinternational.org, under the PMT Certification Program.

Review of the recommended materials is encouraged before taking the examination. You can expand your knowledge of the areas at your own pace by referring to the materials on this list. These are essential in preparing for the examination. Keep in mind that all certification candidates are responsible for their preparation for the examination. There are no specific courses or study materials required for taking the examination. In addition, APMI does not guarantee passing the certification examination by completing a specific course or studying specific materials.



The PMT Certification program is sponsored by:
APMI International

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E-mail: apmi@mpif.org • Web site: www.apmiinternational.org

When and Where Will Examinations Be Given?

The Level I and Level II PMT Certification examinations are normally given on the first Saturday of October in various cities throughout North America where APMI chapters are located. Past locations outside North America include Johannesburg, South Africa and São Paulo, Brazil.

Please visit the Web site for test dates.

What Is the Fee for Taking the Certification Examination?

Please refer to the Web site for current examination fees.

All fees must be paid in U.S. dollars, and checks must be drawn on a U.S. bank. For the difference in the member and non-member fee, non-members may join APMI for one year. Membership becomes effective upon receipt of application.

"The Certification program is a good tool to improve the professionalism of the industry and better enable individual advancement." —

Jerry G. Falleur, PMTII, Cloyes Gear & Products, Inc.

"PMT Certification should be required of anyone that has to discuss P/M at any level." —

Douglas L. Pease, PMT, Powder-Tech Associates, Inc.

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