



# Plasma Cutting Technology: Theory and Practice

New for welding instructors!

*Plasma Cutting Technology: Theory and Practice* is the first commercially available training material specifically for plasma cutting and gouging. Developed in partnership with welding and cutting instructors from leading institutions, this 10-hour course comes complete with everything educators and trainers need to teach students the fundamentals of handheld plasma operation and applications.



For more information or to find a local retailer, please visit  
[www.PlasmaEducation.com](http://www.PlasmaEducation.com).

- 10 hours of lessons and exercises
- Multimedia PowerPoint® presentation slides
- Comprehensive facilitator guide
- Plasma torches and consumables for classroom exercises
- Student handouts and workbooks on CD
- e-learning program

## Benefits for new and experienced welders and their companies

Proper training on the latest cutting technologies is critical for today's students, who need to know more than just oxyfuel cutting when they graduate. Experienced welders from all industries can also expand their skills, making them more valuable employees and increasing their productivity – and their companies' profitability.

### Designed for:

- Welding instructors at the college and high school levels
- Union and military trainers
- In-house training departments in any industry
- Welding and cutting distributors for value-added customer training
- Leaders of student organizations, such as Future Farmers of America

### Participants will learn:

- What plasma is and how it cuts metal
- Common industrial uses for plasma systems
- The differences among various thermal cutting methods
- Proper setup and operation of a plasma system
- Proper consumable installation and usage
- Proper plasma safety procedures
- How to evaluate cut quality
- How to execute a variety of cuts and gouges



## Purchasing options

*Plasma Cutting Technology: Theory and Practice* is available exclusively through Hypertherm-authorized gas and welding distributors.

### Plasma Educator's Pack – Best value!

	Part number
Plasma Cutting Technology: Theory and Practice	850730
Suggested retail price \$499	

### Plasma Educator's Pack – Best value!

Plasma Educator's Packs consisting of a Powermax® plasma system and the Plasma Cutting Technology: Theory and Practice curriculum are available for qualified educators at an average savings of 20% versus buying the system and curriculum separately. Please see an authorized Hypertherm retailer for details.

	Part number
Powermax45 XP plus curriculum	088125
Powermax65 plus curriculum	083288
Powermax85 plus curriculum	087126
Powermax105 plus curriculum	059385
Powermax125 plus curriculum	059571

Note: Part numbers are for systems with standard length handheld torch.

### Replacement parts

	Part number
Plasma torch assembly	894560
E-learning CD-ROM	893430
Resources CD-ROM	893420
Facilitator Guide	893400
Student Workbook	893410

## Read what others are saying

“This is a turnkey teaching tool. Instructors can teach with little preparation and will appreciate the multi-media format. Students will enjoy the interactive lab/lecture approach and attention to today's technologies.”

– Philip McNew CWI/CWE  
Professor Manufacturing  
Engineering Technology  
Pittsburg State University

“The curriculum is easy to use, up-to-date, and contains the right academic information and hands-on exercises. I highly recommend it.”

– David Gilliam  
Director of Training  
Tulsa Welding School

“I've been welding and using a plasma cutter for over 35 years and this is the best teaching aid I've ever seen. I expect it will keep my students fully focused.”

– Michael Pike  
Welding Instructor  
White Mountains Community College