

## The Tools Used in this Class...

### Hot Air Tools



Diode S

Triac S

Hot Jet S

**LEISTER**

### Extrusion Welders



**DOHLE**

Dohle 3000C

*The staff of Malcom Company went out of their way to organize a very informative class. Although I have been welding for seven years, I came away with new and exciting ideas. Larry Rowold, the Instructor, adapts the class to the needs of the students. The theory and practical sides of this course are treated with humor and extensive knowledge enabling the student to leave with more knowledge and information than when they arrived.*

Jim Tomalonis, Owner  
Cedar Springs Trout Hatchery  
Mill Hill, PA

*This is a great hands-on welding course. Our technicians learned some new techniques and are welding with increased confidence. Overall quality has improved, particularly in our tank fabrication department. The Malcom welding course was a very good investment.*

Jim Miles, General Manager  
Ren Tec Corporation  
(Thermoplastics Div.)  
Middleton, MA

### School Locations:

#### PORTSMOUTH, RI

1676 East Main Road  
Portsmouth, RI 02871  
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Fax: 401-682-1904  
www.plasticweldingschool.org  
email: info@malcom.com

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#### SALES AND SERVICE

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**Malcom**  
HOT AIR SYSTEMS

Both Leister and The Malcom Company refuse any warranty of product liability when Leister tools, accessories and parts are not used and applied according to the advise of Leister leaflets, operating and repair instructions, etc. This exclusion of liability particularly concerns applications of Leister tools and parts for self-constructions and modifications for other purposes.

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# Plastic Welding School



- Intensive hands-on certificate of training course based on the European DVS Welding Standards.

**Malcom**  
HOT AIR SYSTEMS

[www.plasticweldingschool.org](http://www.plasticweldingschool.org)

## Courses Designed to the Highest Standards

The German Plastic Welding Standards, otherwise known as DVS, is known worldwide as the best standards to follow when welding plastics. Our courses are designed to teach the welder DVS standards using the hands-on approach with the most modern welding DVS approved tools on the market today. When a welder completes our courses they will receive a certificate of training that states that they have been trained in accordance to the DVS welding standards.

Our course leads the welder towards becoming a DVS certified welder. The welder must be tested by a DVS certified examiner who will travel from Germany to do the testing. Course #3 includes on site DVS exam preparation and the DVS examination that will be held at the welder's place of business by the DVS examiner. The DVS welding standards are available to purchase on CD Rom from Malcom Company.

Course 1 and 2 are held at one of two Malcom Company facilities or can be conducted at the customer's place of business. For costs and location of our next course call us toll free at 888-807-4030 or go to our web site at [www.plasticweldingschool.org](http://www.plasticweldingschool.org)

### Other Courses Offered

- Course 2:**
- Advanced Plastic Welding Course
  - Certificate of Training Renewal Test
- Course 3:**
- DVS Exam Preparation and Examination

## Course One Description

### Day One

#### Introduction to Plastics

- Identification
- What can be welded
- Structure of plastics

#### Introduction to German Plastic Welding Standards (DVS)

- History of DVS
- The Standards
- Becoming Certified
- Introduction to Hot Gas welding
- Introduction to Extrusion welding

#### Hands-on Demonstration of Hot Gas Welding

- Proper temperatures
- Proper speed (effects of speed and temperature)
- Proper pressure (effect speed, temperature and pressure)
- Proper weld beads
- Proper weld set-ups and configurations
- Introduction to weld testing and weld evaluation using DVS standards



### Day Two

- Student hands on hot gas welding
- Demonstration of extrusion welding
- Hands on extrusion welding
- Course review and critique
- Demonstrations of other types of welding equipment
- Special considerations or procedures per student requests or needs

*The class is focused on welding of rigid Plastics (HDPE & PP). On request by students, we will weld geomembranes, roofing materials, PVC's, PVDF, etc.*



## The Instructor



**Larry Rowold**

*Larry discusses different welding applications with students*

- Degree in Business Management
- 12 years US Army Corps of Engineers
- 12 years construction management, including 7 years in plastic fabrication, installation management
- 3 years plastic fabrication and installation with plastic manufacturer/installer
- 3 years with major plastic equipment manufacturer
- 3 years consulting and teaching plastic welding and fabrication
- Previously NICET certified in plastics installations
- Instructor for AGRU sure grip liner systems installers

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