

## Video ESD Training Courses for Operators

**Delivery:** DVD Video Format

[Sign in to access video course demos](#)

### Available Titles

#### Video ESD: An Introduction

#### Video ESD Control for Operators - Manufacturing Controls

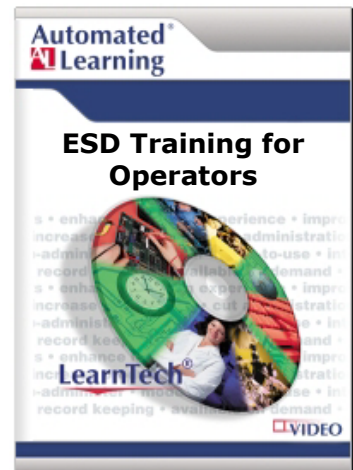
#### Video ESD Control for Operators - Personal Grounding

- Excellent basic-level ESD training courses
- Convenient as individual learning resources
- Ideal for instructor-led group presentation

These ESD training videos explain step-by-step the importance of controlling static in your workplace, how static occurs and how to protect against discharge that can damage static-sensitive electronic components and assemblies.

Primarily intended for your assemblers and support personnel, anyone involved in electronics manufacturing will benefit from these ESD training videos.

- Easy to use and designed for audience participation
- Organized by chapters with discussion questions



These video ESD training courses are perfect for group presentation. Your Instructor can choose to select appropriate material by chapter and pause playback as on-screen questions are asked. This provides an opportunity for group participation and discussion, before the correct answers are revealed.

Each ESD training video comes complete with instructor guide, course evaluation, and a knowledge quiz that allows your instructors to train, test, verify, and certify that students have understood the content. Meets the [training requirements](#) of ANSI/ESD S20.20.

**Purchase:** You can purchase these Videos individually or as a bundled set.

- For secure automated on-line purchase of these courses:

#### Video ESD: An Introduction

[Buy now online](#) \$399 USD

#### Video ESD Control for Operators - Manufacturing Controls

[Buy now online](#) \$399 USD

#### Video ESD Control for Operators - Personal Grounding

[Buy now online](#) \$399 USD

**Or for your best value** take advantage of the bundled set of three. Over 70 minutes of ESD video training plus the Instructor Bonus materials - and you **save 30%!**

#### Video ESD Training for Operators - Bundle of 3 courses

[Buy now online](#) \$837 USD

- To contact an ALC Learning Representative: [How to Buy](#)

## Course Descriptions

### Video ESD: An Introduction

Course code: ESDIV

DVD Video Format

Length: 29 min

#### Prerequisite Knowledge:

This course does not require any prior knowledge of electrostatic discharge.

#### Video Content:

- How static electricity is generated from common actions
- Two different types of damage caused by ESD
- Problems and cost implications of ESD
- Behaviour of insulative, conductive, and dissipative materials
- Polarization and induction
- Ionization and humidity in ESD control
- The function of grounding in ESD control

#### Chapters:

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- Introduction
- Static and ESD
- Component Sensitivity
- Charging
- Conductors and Insulators
- Grounding

#### Included Bonus Instructor Resource Disk With:

- LearnTech® Video Training Instructor Guide
- LearnTech® Video Training Course Evaluation Survey
- LearnTech® Quiz Modifiable student format
- LearnTech® Quiz Instructor Answer and Scoring Key
- Practical Skills Checklist - ESD Control for Operators

For secure automated on-line purchase of this ESD video course: [Buy now online](#) \$399 USD

Or contact an ALC Learning Representative: [How to Buy](#)

## **Video ESD Control for Operators - Manufacturing Controls**

Course code: ESDMV

DVD Video Format

Length: 24 min

### **Prerequisite Knowledge:**

Participants taking this course should have a basic knowledge of static electricity, it's generation, and how ESD damage is caused. The course assumes some familiarity with ESD concepts such as: dissipative, conductive, resistive, insulative, ionization, polarization, and induction.

For more information on these concepts, we recommend the LearnTech® course:

- "ESD: An Introduction"

### **Video Content:**

- Conditions most likely to cause uncontrolled electrostatic discharge
- Types of ESD protective packaging
- The impact of environmental factors on static charge
- The function of ESD protective items in a protected area
- Requirements of an ESD protective workstation
- Use of ionization and topical antistats for static control

### **Chapters:**

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- Introduction
- Packaging
- Environmental Controls
- ESD Protected Areas
- Ionization
- Antistats

### **Included Bonus Instructor Resource Disk With:**

- LearnTech® Video Training Instructor Guide
- LearnTech® Video Training Course Evaluation Survey
- LearnTech® Quiz Modifiable student format
- LearnTech® Quiz Instructor Answer and Scoring Key
- Practical Skills Checklist - ESD Control for Operators

For secure automated on-line purchase of this ESD video course: [Buy now online](#) \$399 USD

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## **Video ESD Control for Operators – Personal Grounding**

Course code: ESDPV

DVD Video Format

Length: 19 min

### **Prerequisite Knowledge:**

Participants taking this course should have a basic knowledge of static electricity, it's generation, and how ESD damage is caused. The course assumes some familiarity with ESD concepts such as: dissipative, conductive, resistive, insulative, ionization, polarization, and induction.

For more information on these concepts, we recommend the LearnTech® course:

- "ESD: An Introduction"

### **Video Content:**

- Correct use of ESD protective smocks
- The role of footwear in ESD control
- Testing and use of wrist straps
- Recommended ESD protective practices at workstations
- Use of personal protection around high voltage hazards

### **Chapters:**

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- Introduction
- ESD Control and Smocks
- Footwear
- Wrist Straps
- Work Stations
- Hazards

### **Included Bonus Instructor Resource Disk With:**

- LearnTech® Video Training Instructor Guide
- LearnTech® Video Training Course Evaluation Survey
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- LearnTech® Quiz Instructor Answer and Scoring Key
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For secure automated on-line purchase of this ESD video course: [Buy now online](#) \$399 USD

Or contact an ALC Learning Representative: [How to Buy](#)

## eLearning versions

Content of these ESD video training courses is [also available](#) in our acclaimed LearnTech® eLearning-format that features:

- Automated registration, tracking, testing, certification – for reduced administration time
- Flexible online access -“always available” 24x7 across shifts, departments, locations
- Latest video and interactive multimedia technology – for interest, involvement and fun
- Self-paced delivery – that improves the efficiency and effectiveness of learning
- Individual on-demand training – no waiting for the class schedule
- Reduced language barriers for students – with other languages available
- Shorter student away-from-work training time – that lowers training costs significantly
- Reduced demand on your expert resources to deliver instruction on “the basics”
- Compliance with ISO and industry standards for training and qualification records
- Standardized training - consistent, accurate reliable content every time
- Convenient easy to use training - point and click to learn, it's that simple

## Electrostatic Discharge (ESD)

ESD related failures continue to cost electronics manufacturers millions of dollars every year. The cost of a damaged component, wafer, or assembly might be only a few cents or could reach several thousand dollars. When failure happens in the field, multiply this cost by 10. Production yields in the plant, product quality and reliability in the field, customer satisfaction: all affect costs and profitability. Is ESD training expensive compared to the alternative?

Clearly, if your operation handles sensitive components, you must develop and sustain an “ESD culture”. A culture where damage due to electrostatic discharge is prevented and where everyone who enters an EPA understands the causes of ESD damage, the controls for preventing it, and the consequences of failure to take every precaution.

## ESDA and Training

What does the Electrostatic Discharge Association (ESDA) say about personnel training?

“The procedures are in place. The materials are in use. But, your ESD control program just does not seem to yield the expected results. Failures declined initially, but they have begun reversing direction. Or perhaps there was little improvement at all. The solutions might not be apparent in inspection reports of incoming ESD materials. Nor in the wrist strap log-in sheets. In large companies or small, it is hard to underestimate the role of training in an ESD control program. The new ANSI/ESD S20.20 ESD Control Program standard cites training as a basic administrative requirement of an ESD control program. There is significant evidence to support the contribution of training to the success of the program...”

[More - ESDA article on training](#)

For additional information on ALC’s LearnTech ESD Training solutions:

[www.automatedlearning.com/products/esd\\_index.cfm](http://www.automatedlearning.com/products/esd_index.cfm)