

**Flexible Endoscope Repair Training Program**  
**Class 1 Syllabus**  
**Minor Repairs**

*Designed for: Any Endoscope Technicians and Any Biomedical Engineers*

*Style of Training: Training will be a combination of verbal instructions and hands-on training*

*Course Length: Course length is based on 4 hours of hands on training starting at 9am.*

*Classroom will remain open until 4pm each day for supervised practice.*

*Location: Our Facility in Bradenton, Florida*

*Cost: \$4000 USD per student*

DESCRIPTION: This course is to learn how to perform minor repairs such as endoscope body disassembly and reassembly, fluid removal, switch replacement, and basic angulation system repairs.

OBJECTIVE: To train a biomedical/endoscope technician or engineer to have a broader understanding of the functionality and operation of the interior components of flexible endoscopes and the minor repairs that can be performed on-site. The individual will also be able to determine if repairs are beyond on-site capabilities.

**DAY 1**

**Nomenclature**

Basic explanation of parts of an endoscope and their name and function

**Full Inspection**

Leak Test  
Function Test

**Image Test**

Test image and explain how to check CCD for flickering, image stains, RGB dots and dead pixels.

**Bending Sheath**

Bending Sheath Tie  
Bending Sheath Cutting  
Bending Sheath Removal

**DAY 2**

**A/W O-Ring**

Symptoms  
Replacement

**Nozzle**

Clear  
Replace

**Fluid Invasion**

How to Prevent  
Symptoms  
How to Remove

**Bending Sheath**

Bending Sheath Tie / Practice  
Bending Sheath Glue Application

**DAY 3**

**Angulation Adjustment**

Soldering Technique  
Applied Soldering Technique  
Manual Adjustments

**Elevator Adjustment**

Minor Adjustment  
Push-Rod Replacement

**DAY 4**

**Control Switch**

Switch Cleaning  
Switch Replacement

**Control knobs**

Identify Problems  
Troubleshooting  
Rebuilding

**Question and Answer**

**Inspection/Nomenclature Test**

**Certificate of completion**

Flexible Endoscope Repair Training Program  
Class 2 Syllabus  
Medium/Major Repairs

Designed for: Any Endoscope Technicians and Any Biomedical Engineers  
Style of Training: Training will be a combination of verbal instructions and hands-on training  
Course length: 4 days and is based on 4 hours of hands on training beginning at 9am each day  
Classroom will remain open until 4pm each day for supervised practice  
Location: Our Facility in Bradenton, Florida  
Cost: \$6000 USD per student

**Over the Course of 4 days you will be trained on the following:**

- Extensive Scope Disassembly and Reassembly
- Biopsy Channel Replacement
- Air/Water Channel Replacement
- Light Guide Bundle Replacement
- Complete Distal End Removal/Installation
- C-cover Replacement
- Light Guide Lens Replacement
- Suction Channel Replacement

Course 1 and 2 Review

Question and Answer Session

Certificate of Completion

Flexible Endoscope Repair Training Program  
Class 3 Syllabus  
Major Repairs

Designed for: Any Endoscope Technicians and Any Biomedical Engineers  
Style of Training: Training will be a combination of verbal instructions and hands-on training  
Course length: 5 days and is based on 6 hours of hands on training beginning at 9am each day  
Classroom will remain open until 4pm each day for supervised practice  
Location: Our Facility in Bradenton, Florida  
Cost: \$8000 USD per student

**Over the Course of 5 days you will be trained on the replacement of the following:**

- Insertion Tube
- Coil Pipes
- Angulation Wires
- Bending Section Mesh
- Light Guide Tube
- Light Guide Connector
- Control Head Section
- CCD Camera Video Hub Wiring

Course 1, 2 and 3 Review

Question and Answer Session

Certificate of Completion

## Training Course Order Form

Please print and fax to 941.761.4613

Please select your desired training

Please select your desired training		X
Endoscope Training Course 1	\$4000.00	<input type="checkbox"/>
Endoscope Training Course 2	\$6000.00	<input type="checkbox"/>
Endoscope Training Course 3	\$8000.00	<input type="checkbox"/>

Company Name: \_\_\_\_\_

Trainee Name: \_\_\_\_\_

Physical Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

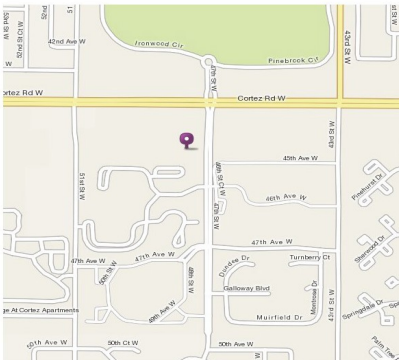
Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Requested Training Start Date: \_\_\_/\_\_\_/\_\_\_\_\_

### Recommended Accommodations:

**Holiday Inn Express**  
**4450 47th Street West**  
**Bradenton, FL. 342**



Please call 1.800.363.6726 for additional training information and payment.

**All course expenses must be paid in full before training begins.**