



# Professional Certification TRAINING PORTALS

for Single Screw Extrusion

***Looking for a reliable, cost-effective way to train and benchmark your employees? Here it is.***

A **Professional Certification Portal** delivers essential eLearning to your entire workforce — with skills that translate directly into increased product quality and profitability. Your new “Cert Portal” comes pre-configured with our most effective online courses and hands-on SkillSet™ training labs.

## Fundamental Courses

All participants begin with the basics. Our “101” course grouping establishes your workforce’s knowledgebase while emphasizing safety. These courses cover the equipment and the process — using terminology and concepts that every employee should learn.

Ideal for getting new hires up to speed quickly, these courses also ensure all employees are “speaking the same language” on your production floor, irrespective of their experience level.

## Professional Certification Tracks

While the Fundamental courses are generally sufficient for non-technical employees, other job positions demand more advanced knowledge and skills. Certification ensures your technical staff’s competency on the production floor.

Our Cert Portals provide two distinct certification paths for your Single Screw Extrusion personnel:



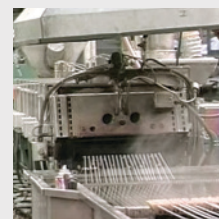
**EXTRUSION  
PROFESSIONAL**

Line operators, supervisors, managers, engineers... Everyone at your facility can benefit from the courses in this curriculum. A certified production team can rise to meet the challenges of a modern manufacturing environment.



**EXTRUSION  
QUALITY**

Specifically geared for quality inspectors, technicians, managers, and engineers, this certification path ensures a confident, capable quality team. This curriculum includes 7 hands-on SkillSet™ Measuring Tools labs and worksheets.



**Routsis Training**  
Hands-on. Online. Ongoing.

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**(978) 957-0700**

**[www.traininteractive.com](http://www.traininteractive.com)**

### One Training System, Three Learning Tracks

The Single Screw Extruder	✓	✓	✓
Plastics Materials in Extrusion	✓	✓	✓
The Single Screw Extrusion Process	✓	✓	✓
Preventative & Corrective Actions	✓	✓	✓
Startup, Changeover & Shutdown	✓	✓	✓
Extruded Part Quality	✓	✓	✓
Material Handling	✓	✓	✓
Problem Solving for Single Screw Extrusion	✓	✓	✓
Math for Extruders	✓	✓	✓
Single Screw Extrusion 101 Benchmark Test	✓	✓	✓
Blueprint Reading Series		✓	✓
Understanding Plastics Materials		✓	✓
Mechanical Behavior of Polymers		✓	✓
Material Drying Technology		✓	
The 5S System, Step 1: Sorting		✓	
The 5S System, Step 2: Straightening		✓	
The 5S System, Step 3: Sweeping		✓	
The 5S System, Step 4: Standardizing		✓	
The 5S System, Step 5: Sustaining		✓	
Single Screw Extrusion Professional Exam		✓	
Measuring Tools: Gauge Blocks			✓
Measuring Tools: Slide Calipers			✓
Measuring Tools: Outside Micrometers			✓
Measuring Tools: Field-Checking Procedures			✓
Single Screw Extrusion Quality Exam			✓

#### Fundamental Learning Track

*10-20 hours of training time*

These courses are geared for non-technical employees — and form the foundational knowledge of all your personnel.

- 10 Online Courses + Study Guides
- Single Screw Extrusion 101 Benchmark Test

#### Professional Certification Track

*25-50 hours of training time*

Technical employees continue on to learn more advanced extrusion concepts, print reading, materials handling, and the 5S system — in preparation for their certification exam.

- 20 Online Courses + Study Guides
- 5 Hands-on SkillSet™ Labs & Worksheets
- Single Screw Extrusion 101 Benchmark Test
- Certification Exam for Single Screw Extrusion Professionals

#### Quality Certification Track

*25-50 hours of training time*

Specifically designed for quality assurance and quality control personnel, this curriculum includes hands-on labs that instruct your employees in the proper use of common measuring tools.

- 18 Online Courses + Study Guides
- 7 Hands-on SkillSet™ Labs & Worksheets
- Single Screw Extrusion 101 Benchmark Test
- Certification Exam for Single Screw Extrusion Quality