



# SINGLE SCREW EXTRUSION

## Professional Certification Training Portal

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

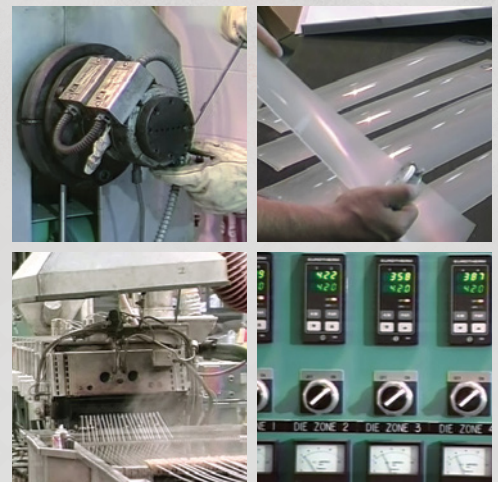
A Professional Certification Portal from Routsis Training delivers essential eLearning to your entire workforce. Their newfound knowledge and skills translate directly into increased productivity and profitability for your company. Your new in-house employee development system comes pre-configured with powerful online training, hands-on SkillSet™ labs, and Professional Certification exams.

### How does the Professional Certification Training Portal work?

We'll help you determine the number of active seats you need and set everything up for you. Your employees can start training almost immediately. Once a participant has successfully completed the exam, their seat can be used to train another employee. Over time, this “rolling” registration system can be used to train all your employees — while subscribing to a set number of active seats.

### Why is Professional Certification important?

Most people in our industry understand that proper training is critical. But companies need benchmarks to verify a particular employee has the requisite knowledge to perform their job well. Furthermore, having a certified workforce gives management confidence their employees can rise to the challenges of a modern manufacturing environment. A structured in-house training and certification program shows your customers you're committed to continuous quality improvement.



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



## **Single Screw Extrusion 101 \*** essential for any employee

*8-16 Hours of Training Time*

- 8 Online Courses + Study Guides
- Single Screw Extrusion 101 Test



## **Single Screw Extrusion Professional \*** for Operators, Engineers, and Managers

*25-50 Hours of Training Time*

- 20 Online Courses + Study Guides
- 5 SkillSet™ Labs & Worksheets
- Single Screw Extrusion 101 Test
- Single Screw Extrusion Professional Exam



## **Single Screw Extrusion Quality** for Pipe & Profile Extrusion Quality

*25-50 Hours of Training Time*

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



## **Single Screw Extrusion Engineer** for Process Engineers

*30-60 Hours of Training Time*

- 26 Online Courses + Study Guides
- 12 SkillSet™ Labs & Worksheets
- Single Screw Extrusion 101 Test
- Single Screw Extrusion Professional Exam
- Single Screw Extrusion Quality Exam

## **Need Even More Training?**

Any of Routsis Training's Injection Molding, Extrusion, Blow Molding, and Design courses can be easily added to your portal. We also offer Content Licensing for companies with their own Learning Management System (LMS). Just let us know and we'll help you develop the ideal in-house training system for your facility.



# A Powerful In-House Training Solution with Four Distinct Learning Paths

Your new Certification Portal comes pre-configured with multiple learning paths. Each path delivers the perfect combination of online courses, hands-on worksheets, and examinations — ensuring all your employees can confidently demonstrate their knowledge and skills.

		Single Screw Extrusion 101 *	Single Screw Extrusion Professional *	Single Screw Extrusion Quality	Single Screw Extrusion Engineer
<b>Online Courses</b>	Single Screw Extrusion: The Extruder *	✓	✓	✓	✓
	Single Screw Extrusion: Plastic Materials *	✓	✓	✓	✓
	Single Screw Extrusion: The Extrusion Process *	✓	✓	✓	✓
	Single Screw Extrusion: Preventive and Corrective Actions *	✓	✓	✓	✓
	Single Screw Extrusion: Startup, Changeover and Shutdown *	✓	✓	✓	✓
	Single Screw Extrusion: Quality *	✓	✓	✓	✓
	Single Screw Extrusion: Material Handling *	✓	✓	✓	✓
	Single Screw Extrusion: Problem Solving and Troubleshooting *	✓	✓	✓	✓
	Math for Extruders * <i>2 courses</i>		✓	✓	✓
	Understanding Plastic Materials *		✓	✓	✓
	Mechanical Behavior of Polymers *		✓	✓	✓
	Material Drying Technology * <i>2 courses</i>		✓		✓
	Scientific Troubleshooting *		✓		✓
	Purging Techniques *		✓		✓
	Purging Procedures *		✓		✓
	Purging Compounds *		✓		✓
	Process Controls & Automation * <i>2 courses</i>		✓		✓
Blueprint Reading Series <i>6 courses</i>			✓	✓	
<b>SkillSet™ Hands-on Labs / Worksheets</b>	The 5S System * <i>5 labs / worksheets</i>		✓		✓
	Measuring Tools: Using Gauge Blocks			✓	✓
	Measuring Tools: Using Slide Calipers for Outside Measurement			✓	✓
	Measuring Tools: Using Slide Calipers for Inside Measurement			✓	✓
	Measuring Tools: Using Slide Calipers for Depth Measurement			✓	✓
	Measuring Tools: Using an Outside Micrometer			✓	✓
	Measuring Tools: Field-Checking Slide Calipers			✓	✓
	Measuring Tools: Field-Checking an Outside Micrometer			✓	✓
<b>Benchmarking Tests &amp; Certification Exams</b>	Single Screw Extrusion 101 Test	✓	✓	✓	✓
	Single Screw Extrusion Professional Exam		✓		✓
	Single Screw Extrusion Quality Exam			✓	✓

\* available in Spanish in 2025



# Routsis Training

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