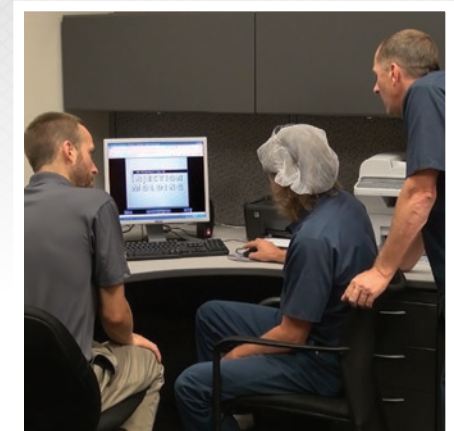


# RightStart™

**COMPLETE, CUSTOMIZED  
TRAINING FOR YOUR COMPANY  
AND ITS EMPLOYEES**

Here's a brief overview of how our **RightStart™** system works:

1. A **Routsis Trainer** (not a sub-contractor!) visits your plant and creates a training plan specifically designed for each employee at your workplace.
2. Based on your facility and existing equipment, we create **job-specific** tasks to develop and reinforce proper day-to-day work habits.
3. We show you how to **implement, manage, track, and customize** your training – so you can successfully launch your new training initiative.
4. Start training immediately with access to the **world's largest library** of engaging, practical plastics training courses.
5. We provide **ongoing support** and **continuous oversight** to ensure you get the most out of your in-house training program.



“ This training system teaches everyone about our specialized high-speed molding process. It fits perfectly with our operation, and we're continuously improving performance. ”

“ With Routsis, we've transformed training into a key part of our business strategy. Instead of searching elsewhere for talent, we're developing employees internally. ”



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# COMPREHENSIVE ONLINE TRAINING FOR INJECTION MOLDERS

## Injection Molding Fundamental Courses \*

An Introduction to Injection Molding  
Injection Molding Basics, Part 1: The Injection Molding Machine  
Injection Molding Basics, Part 2: The Injection Molding Process  
Injection Molding Basics, Part 3: The Injection Mold  
Understanding Plastics Materials

## Scientific Injection Molding Courses

Establishing a Scientific Injection Molding Process \*  
Processing Parameters for Scientific Molders, Parts 1 - 3  
Injection Mold Setup, Parts 1 & 2  
Understanding Electric Injection Molding Machines  
Processing with Electric Injection Molding Machines  
Scientific Troubleshooting, Part 1 : Introduction  
Scientific Troubleshooting, Part 2 : Visual Defects  
Scientific Troubleshooting, Part 3 : Dimensional Defects  
Scientific Troubleshooting, Part 4 : Material & Cycle-Related Defects  
Material Drying Technology, Parts 1 & 2  
Math for Scientific Molders, Parts 1 & 2  
Processing For Profit  
Process Documentation for Scientific Molding  
Automation and Robotics for Scientific Molding, Parts 1 & 2 †  
Purging for Scientific Molders, Part 1 : Techniques †  
Purging for Scientific Molders, Part 2 : Materials †

## Injection Molding Maintenance Courses

Injection Molding Hydraulics, Parts 1 & 2  
Injection Molding Machine Maintenance  
Injection Mold Maintenance  
Process Control Systems

## Part Design & Mold Design Courses

Product Development & the Prototype Process  
Mechanical Behavior of Polymers  
Mold Filling, Gating & Weld Lines  
Shrinkage, Warpage, & Part Ejection  
Mechanical Fasteners, Press & Snap Fits  
Welding & Adhesives Bonding Technology  
Injection Mold Fundamentals  
Mold Machining Methods, Parts 1 & 2  
2-Plate, 3-Plate, and Hot Runner Molds  
Mold Bases, Tool Steels & Heat Treating  
External and Internal Actions  
Ejection, Venting and Cooling  
Part Gating Methods  
Runners, Filling Software & the Design Process

## Scientific Molding SkillSet™ Courses & Hands-On Labs \*

Melt Temp. Measurement	Cooling Time
Mold Temp. Measurement	Rear Zone Temperature
Process Documentation	Screw Recovery Time
1 <sup>st</sup> Stage Fill Progression	Mold Opening
1 <sup>st</sup> Stage Injection Speed	Part Ejection
1 <sup>st</sup> Stage Injection Transfer	Mold Closing
1 <sup>st</sup> Stage Injection Pressure	Mold Protect Force
1 <sup>st</sup> Stage Injection Time	1 <sup>st</sup> Stage Cavity Imbalance
2 <sup>nd</sup> Stage Packing Pressure	1 <sup>st</sup> Stage Rheology Curve
2 <sup>nd</sup> Stage Packing Time	Comparative Rheology
2 <sup>nd</sup> Stage Final Cushion	1 <sup>st</sup> Stage Check Ring
2 <sup>nd</sup> Stage Clamp Force	Measuring Mold Deflection
Coolant Temperature	Measuring Platen Deflection

## DECOUPLED MOLDING<sup>SM</sup> Courses

Introduction to DECOUPLED MOLDING  
DECOUPLED MOLDING Techniques  
Reading and Interpreting Data  
Systematic Troubleshooting  
Intelligent Molder, Part 1 : Machine Evaluation  
Intelligent Molder, Part 2 : Mold Evaluation  
Intelligent Molder, Part 3 : Process Evaluation  
RJG's eDART™

## Blueprint Reading and GD&T Courses

Introduction to Engineering Drawings  
Multiview Drawings  
Sectional Views  
Dimensions and Tolerances, Parts 1 & 2  
Part Feature Specifications  
GD&T Basic Principles  
Interpreting GD&T Symbols  
Form and Orientation Tolerances  
Profile, Runout and Location Tolerances

## Lean Manufacturing SkillSet™ Courses & Hands-On Labs

5S System, Step 1: Sorting  
5S System, Step 2: Straightening  
5S System, Step 3: Sweeping  
5S System, Step 4: Standardizing  
5S System, Step 5: Sustaining

**ALL ONLINE COURSES CAN BE VIEWED WITH ANY INTERNET DEVICE – INCLUDING TABLETS AND SMARTPHONES**

† Scheduled for release in late 2016

\* These 32 courses are also available in Spanish, Portuguese, Mandarin, and Bahasa Malaysia



# COMPREHENSIVE ONLINE TRAINING FOR EXTRUSION BLOW MOLDERS

## Extrusion Blow Molding Fundamental Courses

Introduction to Extrusion Blow Molding  
Extrusion Blow Molding Machinery  
Blow Molding Problems & Solutions

## Plastics Materials & Mathematics

Understanding Plastics Materials  
Material Drying Technology, Parts 1 & 2  
Mechanical Behavior of Polymers  
Math for Blow Molders, Parts 1 & 2

## Automation & Maintenance

Injection Molding Hydraulics, Parts 1 & 2  
Process Control Systems  
Automation and Robotics for Scientific Molding, Parts 1 & 2 †

## Single Screw Extrusion

The Single Screw Extruder  
Plastics Materials in Extrusion  
Single Screw Extrusion Process  
Preventative & Corrective Actions

Startup, Changeover & Shutdown  
Extruded Part Quality  
Material Handling  
Problem Solving

## Blueprint Reading Courses

Introduction to Engineering Drawings  
Multiview Drawings  
Sectional Views  
Dimensions and Tolerances, Parts 1 & 2  
Part Feature Specifications

## Lean Manufacturing SkillSet™ Courses & Hands-On Labs

5S System, Step 1: Sorting  
5S System, Step 2: Straightening  
5S System, Step 3: Sweeping  
5S System, Step 4: Standardizing  
5S System, Step 5: Sustaining



# COMPREHENSIVE ONLINE TRAINING FOR EXTRUDERS

## Single Screw Extrusion

The Single Screw Extruder  
Plastics Materials in Extrusion  
Single Screw Extrusion Process  
Preventative & Corrective Actions

Startup, Changeover & Shutdown  
Extruded Part Quality  
Material Handling  
Problem Solving

## Twin Screw Extrusion

The Twin Screw Extruder  
Plastics Materials in Extrusion  
Twin Screw Extrusion Process  
Preventative & Corrective Actions

Startup, Changeover & Shutdown  
Extruded Part Quality  
Material Handling  
Problem Solving

## Plastics Materials & Mathematics

Understanding Plastics Materials  
Material Drying Technology, Parts 1 & 2  
Mechanical Behavior of Polymers  
Math for Extruders, Parts 1 & 2

## Blueprint Reading Courses

Introduction to Engineering Drawings  
Multiview Drawings  
Sectional Views  
Dimensions and Tolerances, Parts 1 & 2  
Part Feature Specifications

## Lean Manufacturing SkillSet™ Courses & Hands-On Labs

5S System, Step 1: Sorting  
5S System, Step 2: Straightening  
5S System, Step 3: Sweeping  
5S System, Step 4: Standardizing  
5S System, Step 5: Sustaining

**ALL ONLINE COURSES CAN BE VIEWED WITH ANY INTERNET DEVICE – INCLUDING TABLETS AND SMARTPHONES**

† Scheduled for release in late 2016