



## Online Injection Molding Training for Part Designers, Mold Designers & Process Engineers

Everyone has heard the maxim “time is money” and nowhere is that more true than with professional training. Consider the time you or your employees are attending off-site or on-site training, away from your desks or the molding floor. Most likely this is paid time – both salary or hourly wages *plus* the cost of training. If you add in travel expenses for off-site training and multiply these costs by the number of trainees, the costs can become prohibitive. So, what can you do?

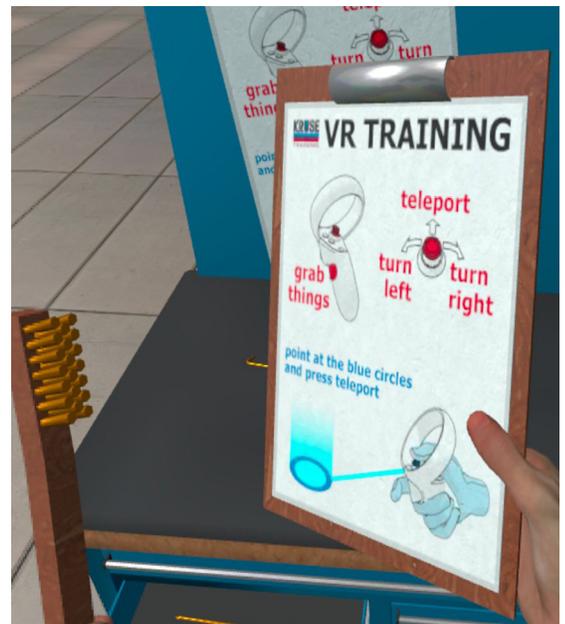
By supplementing traditional in-person training (day/multi-day/week-long seminars) to e-learning and now, more specifically to focused-learning and micro-lessons, delivering knowledge to engineers in smaller, more efficient content bundles is easier than ever.

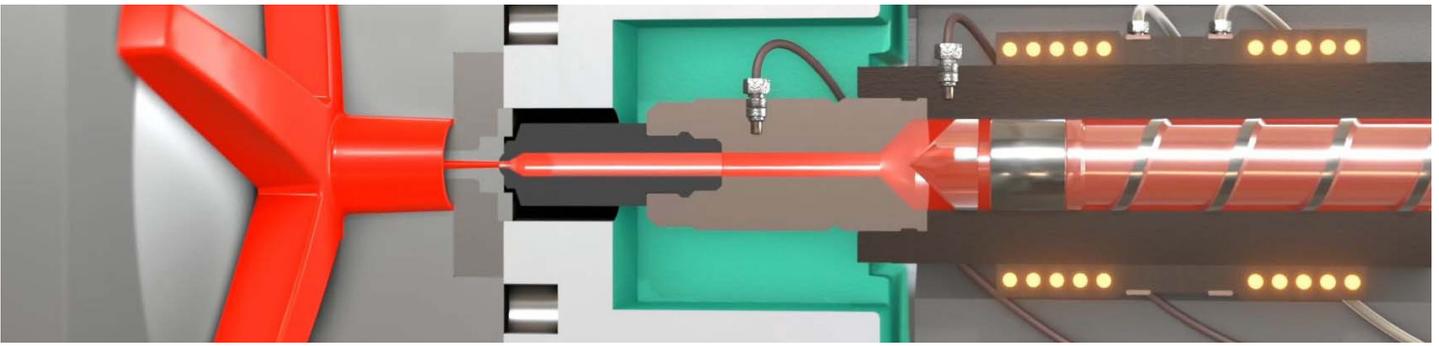


There are many training opportunities in the plastics industry, from on-the-job training to seminars and conferences to books and e-learning. Finding the right approach is important for every individual but generally a combination of training methods is optimal. One way Kruse Training is becoming part of this blended learning approach is by offering a focused-learning training platform. Neither the time nor financial commitment is prohibitive, allowing for increased efficiency and greater learning opportunities. And now plastics engineers can access training content anytime/anywhere.

### NEW! Virtual Reality Training

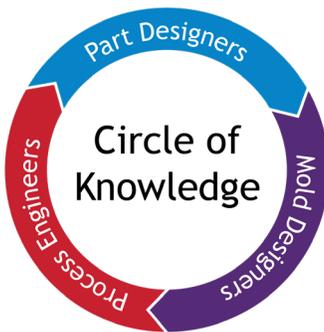
Virtual reality has become mainstream for many industrial applications, allowing users to explore, learn, and prepare for new technologies. And now Kruse Training is developing the first fully functional molding shop floor VR solution. Our goal is to create virtual reality classes for injection molding processing, teaching users how to become “VR Molding Experts”, getting ready to work on an actual shop floor. These VR molding classes are being developed to support a molding company’s hands-on process training initiatives. The new technology will Allow process engineers to walk and work through individual molding set-ups and processing tasks, giving them the skills and confidence to advance to the next level of molding challenges.





## Industry 4.0 Meets Learning 4.0

As the plastics industry moves toward Industry 4.0, or the fourth industrial revolution, technological innovation and new protocols for machine-to-machine and machine-to-central-computer communications will become commonplace. Plastic machinery companies and suppliers of auxiliary equipment can now train engineering staff online. Training modules and online tutorials focused on operating procedures, processing tips, tutorials and preventive maintenance protocol for machinery can be provided from a central location to a global audience. Kruse Training is positioned to ride the wave of Industry 4.0 with learning 4.0 innovation alongside the leaders from broad range of industry disciplines.



### What is the “Circle of Knowledge?”

Simply put, the “Circle of Knowledge” is a way for part designers, mold designers and process engineers to better understand the work of their co-workers. With an improved awareness of each role, the engineering team can make effective, big-picture, data-driven design decisions. Of course, part designers will not become molding experts, and molders will not become designers, but even a slightly improved understanding of each other’s expertise will result in improved new product design, engineering workflow and productivity.



Kruse Training is constantly evolving. Aside from consistently adding new content, the Kruse team is also staying on top of industry trends and engaging with members of the community.

We are currently creating a new section of Kruse Training that will focus on the development of the molding process. This section will contain guidelines for setting up a molding cell, the necessary pre-process development preparations and how to develop a new molding process. We are creating a step-by-step guide that can be utilized for any new process development project. The new content will be useful for part and mold designers, mold makers, material suppliers, and molding and quality engineers.

#### ***Currently available: 96 lessons***

- Level 1: 70 lessons (Fundamentals, Polymers, Part Design, Mold Design, Processing)
- Level 1: Certification
- Level 2: 26 Molding Defects lessons

For more details and pricing information, contact Torsten Kruse (torsten\_kruse@krusetraining.com / 239-351-7428) or visit [www.krusetraining.com](http://www.krusetraining.com)