



TRANSFR VIRTUAL TRAINING FACILITY

TRANSFR simulations are designed to teach trainees in the same way that experts teach novices — through trial and error — with the guidance of a [virtual coach](#). TRANSFR engages subject matter experts when designing its virtual reality training simulations to ensure that every simulation is authentic, efficient, engaging, and effective, and aligned with industry standards. Trainees master skill on their own time, receive direct one-on-one feedback from the digital coach and master skills in less than an hour.

The training utilizes artificial intelligence and learning sciences theory to calculate the probability that trainees can perform job tasks at an expected level of proficiency. Trainees receive coaching until they master the skills required to perform them on-the-job.

Within the VR experience TRANSFR examines trainee engagement and quantifies their behaviors as they progress towards skill mastery. This intelligent system is driven by machine learning algorithms that capture behavioral trends in the trainee's performance.

MANUFACTURING / CONSTRUCTION FUNDAMENTALS

Plant Safety introduces trainees to common safety considerations when working in a manufacturing plant environment. Trainees are introduced to personal protective equipment, common tools, and safety situations they may encounter in the workplace.

This module is designed for trainees with little to no experience in a manufacturing environment.



PLANT SAFETY

Precision Measurement introduces trainees to precision measurement instruments commonly used in manufacturing and assembly environments. Trainees learn how to properly take measurements with each tool and how to properly read the measurement tool indicators.

This module is designed for trainees who have basic math skills and no experience with measurement tools.



PRECISION MEASUREMENT

Mechatronics introduces trainees to basic skills commonly used in combined electronics and mechanical fields. Trainees are introduced to the common industrial machine operation and troubleshooting, blueprints, drawings and schematics, and electrical test equipment.

This module is designed for trainees with little to no experience in mechatronics.

Blueprint Reading introduces trainees to the “Language of Lines” and how to work with technical and assembly drawings. Trainees learn skills such as dimensioning techniques, symbols, and finishing. Trainees are introduced to common configurations for machined parts and machined slots and how to identify them. Trainees learn about visualization and views including working with projections.

This module is designed for trainees with little to no experience in an industrial construction or manufacturing environment.

Construction Safety introduces trainees to common safety considerations when working in a construction environment. Trainees are introduced to personal protective equipment, common tools and procedures, and safety situations they may encounter on the jobsite.

This module is designed for trainees with little to no experience in a construction environment.

AUTOMOTIVE MAINTENANCE FUNDAMENTALS

Automotive Maintenance Fundamentals provides trainees with foundational skills for general automotive inspection and repair. Trainees learn skills working with engine oil, batteries, jacks, and air bags. Trainees are introduced to brake systems, suspension systems, fuel systems, and engine cylinder compression tests. Trainees learn to inspect these items on a car in the Virtual Training Facility and how to make general repairs when needed.

This module is designed for trainees with little to no experience in an automotive maintenance environment.



AUTOMOTIVE MAINTENANCE

PAINT ROBOT TROUBLESHOOTING



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Paint Robot Troubleshooting introduces trainees to standardized troubleshooting and common paint robot issues encountered in an automotive manufacturing paint booth environment. Trainees are introduced to the paint robot and the booth, standard troubleshooting steps involving moisture on or around the robot, and the most common problems and resolution steps to get the robot and production line back up and running.

This module is designed for trainees with basic to intermediate automotive manufacturing paint robot experience.

CAREER EXPLORATION

Career Exploration provides exposure to a variety of occupations for an immersive experience that delivers an understanding of what specific careers look like in real life. Targeted to students in K-12 or to job seekers looking to reskill or upskill, Career Exploration is designed to help people identify careers that align with their skills and interests. Industries include manufacturing, construction, automotive and other skilled trades. TRANSFR continues to add to the Career Exploration occupations list every month as our training catalog continues to expand.



CAREER EXPLORATION