

QUAKELOGIC

ENGINE REPAIR TRAINING SYSTEM

HANDS-ON AUTOMOTIVE TECHNOLOGY TRAINING
EQUIPMENT



**Engine Disassembly
& Assembly Trainer**



MADE IN USA

WITH GLOBALLY SUPPLIED MATERIALS

Engine Disassembly & Assembly Trainer

Engine Repair Training System



HANDS-ON ENGINE DISASSEMBLY & ASSEMBLY TRAINING

The QuakeLogic Engine Disassembly & Assembly Trainer is a hands-on training system for practical instruction in engine maintenance, disassembly, and assembly. A complete engine assembly mounts on a reducer-controlled rotating stand that turns manually through 360° and holds any orientation during work. The engine configuration is selectable to suit the engine series and models covered by the program.

- Reducer-controlled 360° rotating stand positions and holds the engine at any orientation, giving students clear access to every side of the assembly.
- Configurable engine mounting accommodates different engine series and models, so one trainer can support several curriculum tracks.
- Caster-mounted platform with locking function moves the trainer between workstations and secures it in place during use.
- Integrated large oil-catching tray keeps residual oil off the shop floor and provides space for tools and removed components.

STANDARD FEATURES »

- Engine Disassembly & Assembly Training
- Engine Maintenance Training
- Configurable Engine Model
- 360° Rotating Engine Stand
- Reducer-Controlled Rotation
- 1:60 Reduction Ratio
- Adjustable Grasping Disk
- Sturdy Steel Structure
- 1,323 lb (600 kg) Load Capacity
- Integrated Oil-Catching Tray
- Mobile Caster Platform
- Locking Caster Function
- Bolted Engine Connection
- Spray-Baked Painted Finish
- 1-Year Warranty

KEY FEATURES

- Reducer-controlled rotating engine stand turns a full 360° and holds position, giving students access to every side of the engine.
- 1:60 reduction ratio using a No. 50 speed reducer provides controlled manual rotation during training activities.
- Adjustable mounting/grasping disk accommodates different engine configurations.
- Sturdy steel structure with bolted engine connection supports assemblies up to 1,323 lb (600 kg) for stable hands-on instruction.
- Caster-mounted platform with locking function moves the trainer between workstations and secures it during use.
- Integrated large oil-catching tray holds residual oil, tools, and removed components, keeping the workspace clean throughout each session.
- Configurable engine model lets instructors match the trainer to specific engine series and models.
- Spray-baked painted steel finish for durability in shop and laboratory environments.
- Supports inspection of engine components, including the cylinder block and cylinder head, plus internal and external engine cleaning during training.

TYPICAL APPLICATIONS

- Automotive technology and engine repair programs
- Technical colleges and vocational training centers
- Workforce-development and apprenticeship programs
- Engine diagnostics, teardown, and rebuild instruction

TRAINING ACTIVITIES SUPPORTED

ENGINE DISASSEMBLY	ENGINE ASSEMBLY	COMPONENT INSPECTION	ENGINE CLEANING
Step-by-step teardown of a complete engine assembly on the rotating stand, with the engine held at any orientation.	Reassembly practice with the engine bolted to the adjustable grasping disk for stable, repeatable work.	Inspection of engine components, including the cylinder block and cylinder head, during teardown and rebuild.	Internal and external engine cleaning, with the integrated oil-catching tray collecting residual oil.

PRODUCT FEATURES

Training Subject

Engine assembly configured for maintenance, disassembly, and assembly training · Supports internal engine structure instruction

Engine Configuration

Engine flip frame configurable to customer requirements · Supports different engine series and models

Rotation System

Reducer-controlled rotating stand, 360° range · Manual rotation; engine held at required orientation

Reduction System

1:60 reduction ratio · No. 50 speed reducer

Mounting System

Adjustable mounting/grasping disk · Bolted engine-to-stand connection

Frame & Structure

Sturdy steel structure · Spray-baked painted finish

Mobility

Caster-mounted platform for workshop mobility · Locking function secures trainer during use

Oil Collection

Integrated large oil-catching tray · Space for residual oil, tools, and removed parts

For more information about the features, specifications, and available configurations of the Engine Disassembly & Assembly Trainer, please contact QuakeLogic.

CONFIGURATION

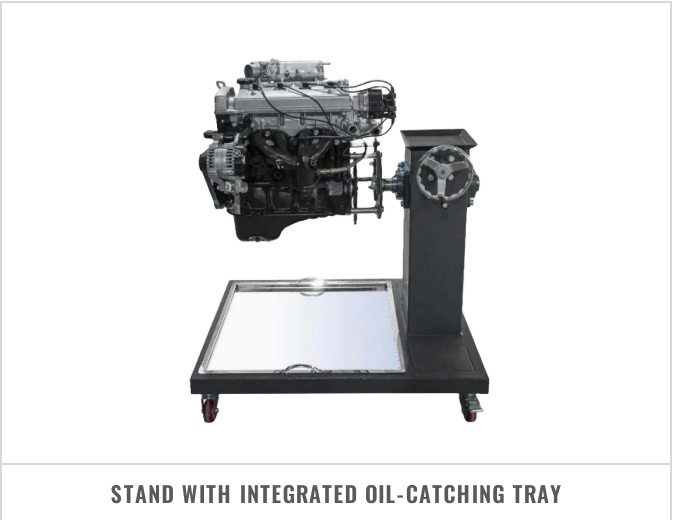
COMPONENT	CONFIGURATION
Speed Reducer	No. 50 Reducer
Reduction Ratio	1:60
Rotating Frame	Rotating Table Frame
Oil Collection	Integrated Oil-Catching Tray
Mobility	Mobile Casters with Locking Function

TECHNICAL SPECIFICATIONS

SPECIFICATION	DESCRIPTION
Training System	Engine Disassembly & Assembly Trainer
Training Application	Engine Maintenance, Disassembly & Assembly
Engine Configuration	Configurable Engine Series / Model
Rotation Range	360°
Rotation Control	Reducer-Controlled, Manual Rotation
Reduction Ratio	1:60
Speed Reducer	No. 50 Reducer
Maximum Load Capacity	1,323 lb (600 kg)
Frame Material	Steel

SPECIFICATION	DESCRIPTION
Surface Finish	Spray-Baked Paint
Mounting System	Adjustable Mounting / Grasping Disk
Engine Connection	Bolted Connection
Mobility	Caster-Mounted Platform
Caster Locking	Locking Function
Oil Collection	Integrated Large Oil-Catching Tray
Overall Dimensions (L × W × H)	43.3 × 31.5 × 39.4 in (1,100 × 800 × 1,000 mm)
Customization	Available
Warranty	1-Year

PRODUCT VIEWS



Specifications are subject to change without notice. Engine series/model is configured to order; contact QuakeLogic to confirm the configuration for your program.

Engine Disassembly & Assembly Trainer

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REQUEST A QUOTE

Contact QuakeLogic for pricing, configuration options, and delivery lead times for the Engine Disassembly & Assembly Trainer.

About QuakeLogic:

QuakeLogic Inc. is a California-based engineering and technology company providing innovative, reliable, high-quality solutions to customers worldwide.

Our Commitment

We are committed to quality, innovation, and customer satisfaction — building lasting partnerships through reliable solutions and dependable support.

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