



INDUSTRIAL TRAINING Workstation

GP Strategies Pump/Mechanical Training Station



The GP Strategies® Power Transmission Trainer provides hands-on training for mechanical skills using a functioning industry standard pump, motor, and coupling system. With the GP Strategies Power Transmission Trainer, students are able to receive practical experience with precision alignment of power trains, pump rebuild and repair, pump mechanical seals, and more.

The GP Strategies Power Transmission Trainer is configurable for many different alignment methods such as:

- Direct Shaft Coupling
- Belt Drive Coupling
- Chain Drive Coupling

The GP Strategies Power Transmission Trainer also comes complete with a functioning water flow system to demonstrate fluid flow basics for pump operations.

This is a complete standalone training solution for power transmission and shaft alignment courses. The trainer comes standard with all of the tools, equipment, and drive components needed to perform precision alignments of power transmission systems.





Equipment Included

- Wrenches
- Drive sets
- Screwdrivers
- Bearings
- Gears
- Shims



Equipment Requirements

- 110VAC power supply (for motor drive if desired)

Equipment Not Included

- Laser alignment tools

Courseware Pairing

- MM-110: Seals and Packing Fundamentals
- MM-115: Bearing Fundamentals
- MM-200: Centrifugal Pumps
- MM-225: Belt Drives
- MM-230: Chain Drives
- MM-235: Gears
- MM-245: Shaft and Coupling Alignment

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DATA SHEET



GP Item Number	Item Description	Unit Quantity
MM-500-001	11 Drawer Tool Box	1
MM-500-002	Foundation Base Plate	1
MM-500-003	Fabricated Base Plate	1
MM-500-004	Westinghouse 1 ½ Horse Electric Motor	1
MM-500-005	Set of hand wrenches	1
MM-500-006	Set of crowfeet	1
MM-500-007	Torque Wrench	1
MM-500-008	12' x 55" Foundation Plate	1
MM-500-009	Set of Allen Wrenches	1
MM-500-010	Soft Blow Hammer	1
MM-500-011	Assorted Fasteners	1
MM-500-012	Inspection Mirror	1
MM-500-013	Starrett Dial Indicator Set	2
MM-500-014	Starrett Magnetic Base	2
MM-500-015	Starrett Universal Clamp	2
MM-500-016	Machinist Scale	1
MM-500-017	Feeler Gage Set	1
MM-500-018	Starrett 12" Dial Caliper	1
MM-500-019	Screwdriver Set	1
MM-500-020	3/8" Drive Socket Set	1
MM-500-021	½" Drive Socket Set	1
MM-500-022	Outside Diameter Caliper	1
MM-500-023	Spanner Wrench	1
MM-500-024	Bearing Shaft Mounting Brace	1
MM-202-001	7" Sheave	1
MM-202-002	QD Bushing 7/8" Bore	1
MM-202-003	4" Sheave	1
MM-202-004	QD Bushing 7/8" Bore	1
MM-202-005	Sheave Gage	1
MM-202-006	V Belt	1
MM-202-007	Belt Tension Gage	1
MM-204-001	6" Chain Sprocket #40	1
MM-204-002	3" Chain Sprocket #40	1
MM-204-003	Tapered Bushing 7/8"	1

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MM-204-004	Tapered Bushing 7/8"	1
MM-204-005	Chain Puller	1
MM-204-006	Chain Breaker	1
MM-204-007	#40 Roller Chain 10' Section	1
MM-205-001	Gear Box	1
MM-205-002	55 Tooth Spur Gear	1
MM-205-003	25 Tooth Spur Gear	1
MM-205-004	Helical Gear	1
MM-205-005	Helical Gear	1
MM-205-006	Bevel Gear	1
MM-205-007	Pinion Gear	1
MM-205-008	Worm Gear	1
MM-205-009	Double Threaded Worm	1
MM-207-001	Withdrawal Sleeve and Nut	1
MM-207-002	Stub Shaft	1
MM-207-003	Bearing	1
MM-207-004	Bearing	1
MM-301-001	Falk 1030 1 1/4" Bore	1
MM-301-002	Falk 1030 1" Bore	1
MM-301-003	Falk 1030T Cover and Grid	1
MM-301-004	Falk 1020T 7/8" Bore	1
MM-301-005	Falk 1020T Cover and Grid	1
MM-304-001	Centrifugal Pump	1

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