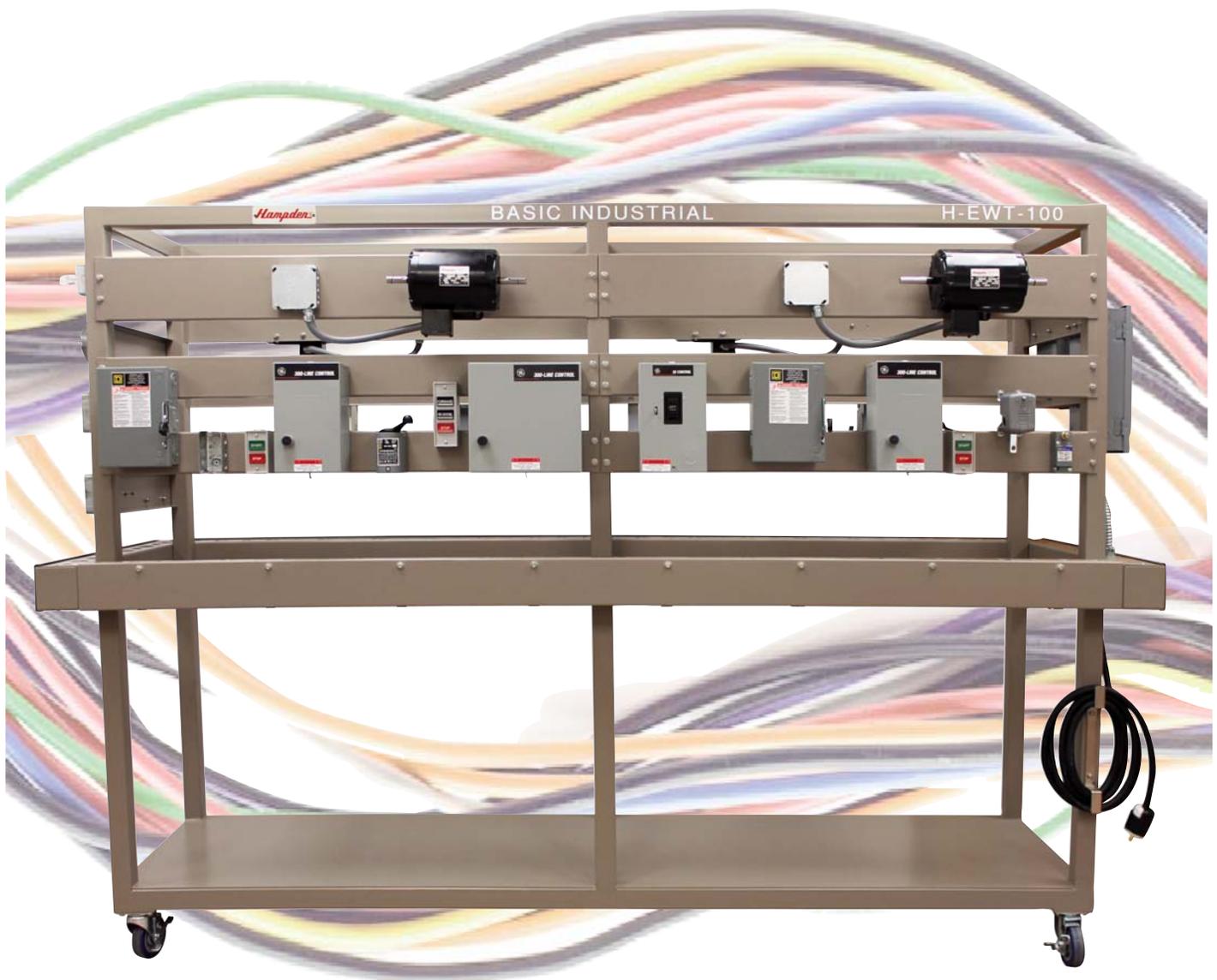


**LATEST IN
ELECTRICAL
WIRING!**

**STATE OF THE ART
EQUIPMENT USING U.S.
COMPONENTS.**

ELECTRICAL WIRING TRAINER



Hampden[®]
ENGINEERING CORPORATION



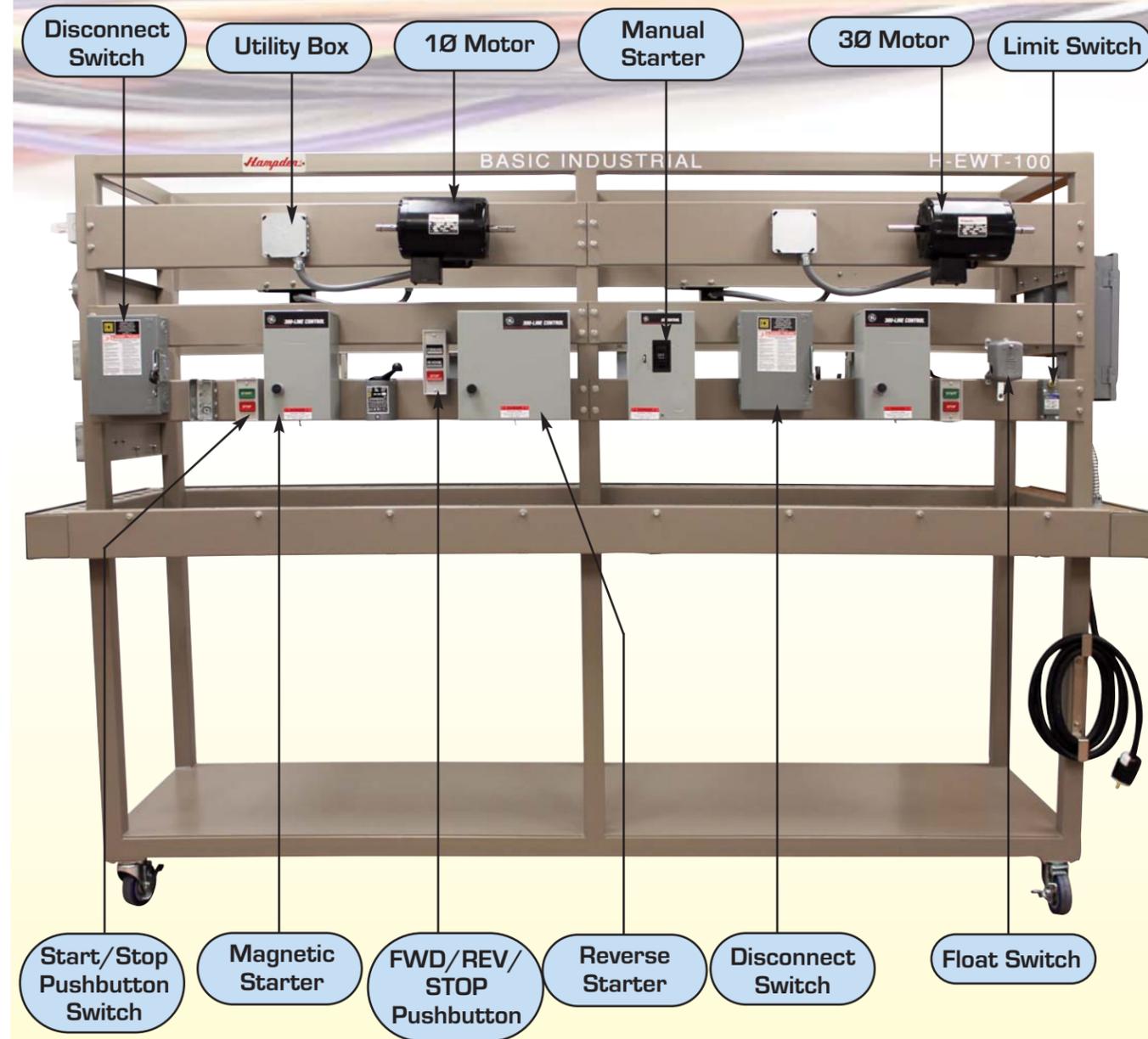
H-EWT-100 ELECTRICAL WIRING TRAINER

The Hampden **Model H-EWT-100** Electrical Wiring Trainer provides the student with a hands on trainer for single and three phase wiring. The student will learn the necessary methods of running conduit, pulling wire and making final connections.

The Hampden **Model H-EWT-100** Electrical Wiring Trainer consists of a four sided frame that students use to run wire and make electrical connections. Once they complete the installation the unit can be run to test out the circuit.

Mobile Frame

2" Square mechanical steel tubing finished in black satin enamel. Provided with four (4) swivel casters, two (2) with brakes. A 4" x 4" wiring duct is run along each side of the frame. Includes wire, conduit and necessary fittings.



H-EWT-100 ELECTRICAL WIRING TRAINER

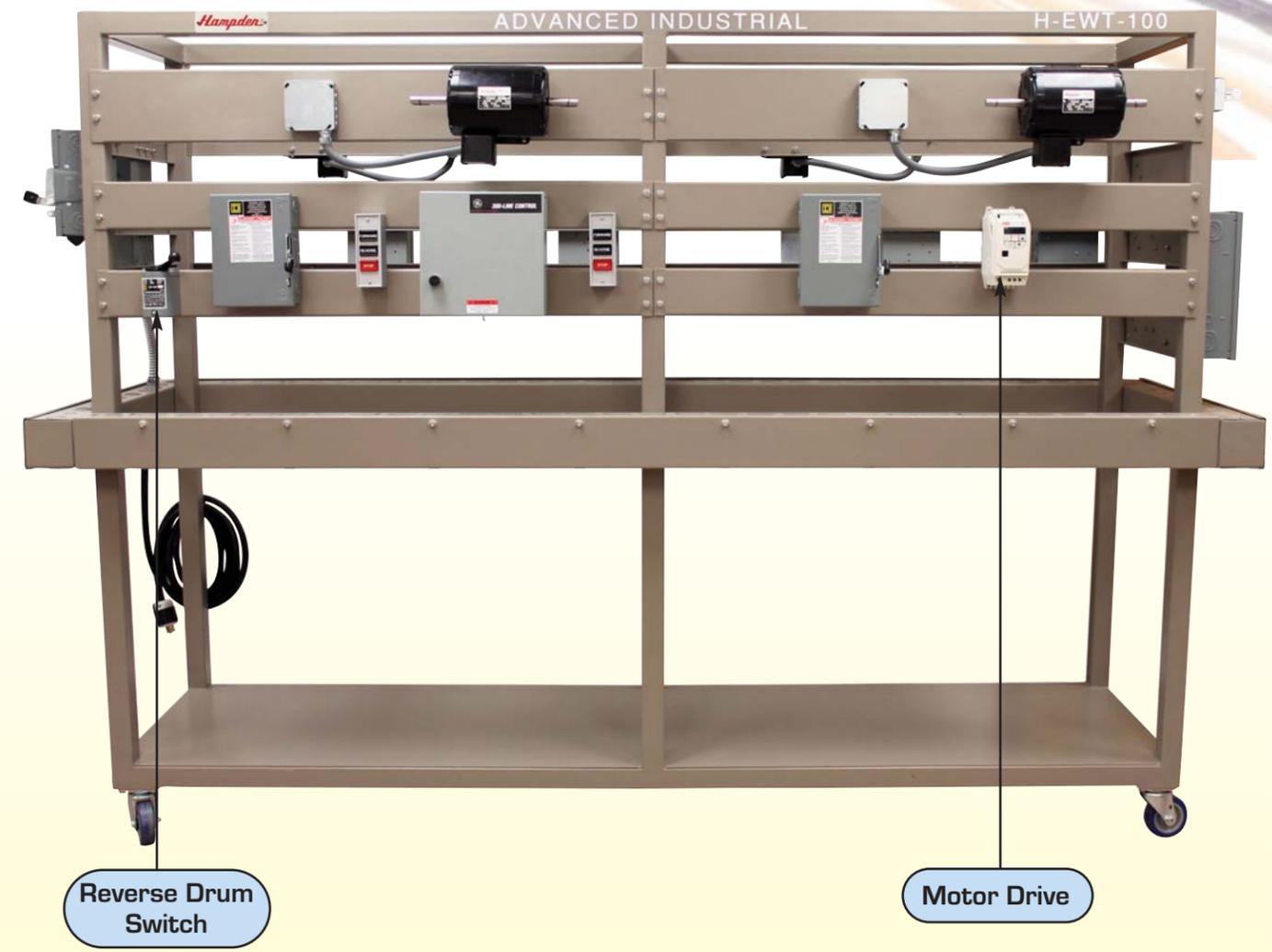
Residential Section

- Single phase motor
- Manual starter
- Start/Stop pushbutton station
- 2-Pole magnetic starter
- Reverse drum switch
- Disconnect switch
- Three phase motor

- 3-Pole manual starter
- Start/Stop pushbutton station
- 3-Pole magnetic starter
- Safety switch
- Limit switch
- Lever switch
- Float switch

Industrial Section

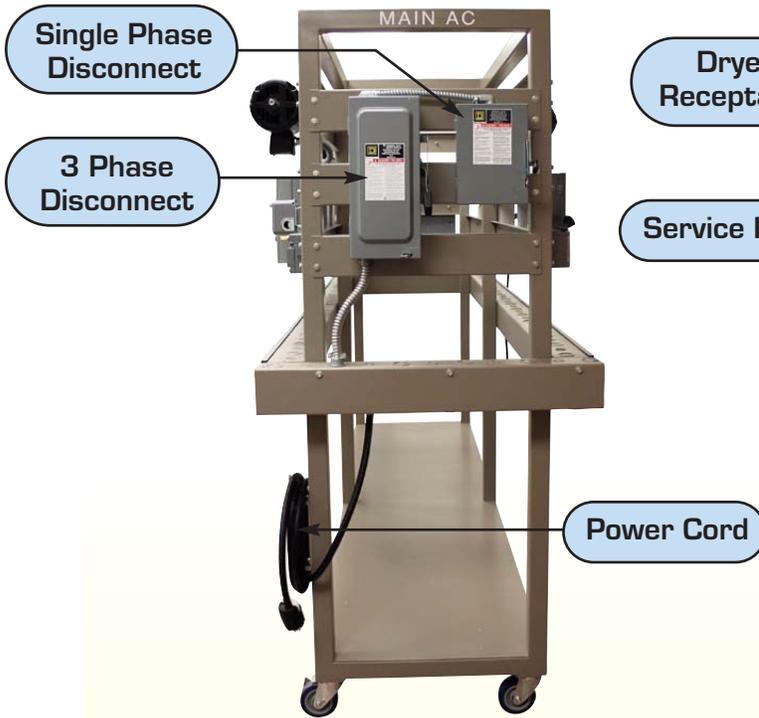
- Three phase motor
- 3-Pole reversing starter
- Forward/Reverse/Stop pushbutton station
- Safety switch
- Three phase motor
- Variable frequency drive
- Safety switch



Standard Products...Designed to Meet Your Growing Needs!

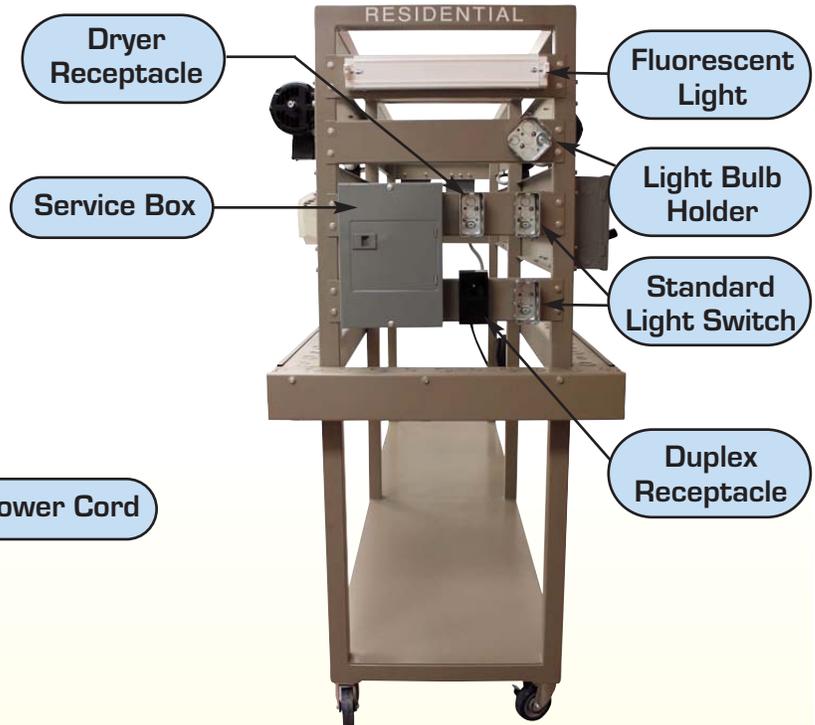
Main Section

- 5 Conductor power cord
- Single phase disconnect
- Three phase disconnect



Electrical Section

- Load center
- Duplex receptacle
- 240VAC receptacle
- Fluorescent light
- CFL light
- SPST switch (3)



Experimentation

Exercise 1

Residential Wiring

- Exercise 1A Wiring to the Residential Circuit Breaker Panel
- Exercise 1B Powering the Overhead Light
- Exercise 1C Installing and Powering a Standard Light
- Exercise 1D Installing and Wiring Receptacles

Exercise 2

Single Phase Motor Starter

- Exercise 2A Providing Power to the Area
- Exercise 2B Manual Starters
- Exercise 2C Using The Drum Switch as A Manual Reversing Starter

Exercise 2D

Magnetic Starters

Exercise 2E

Magnetic Reversing Starters

Exercise 3

Three Phase Motor Starters

- Exercise 3A Bringing Power to The Industrial Site
- Exercise 3B Wiring A Manual Starter to A 3Ø Motor

Exercise 3C

Wiring A Magnetic Starter to A 3Ø Motor

Exercise 3C (a) Adding A Limit Switch in Series with The Magnetic Starter Coil

Exercise 3C (b) Adding a Float Switch in Series with The Magnetic Starter Coil

Exercise 4

Three Phase Reversing Starters

- Exercise 4A Bringing 3Ø Power to The Reversing Starters
- Exercise 4B Wiring A Manual Reversing Starter to A 3Ø Motor
- Exercise 4C Wiring A Magnetic Starter to A 3Ø Motor

Exercise 5

Controlling Motor Speed with a Variable Frequency Drive

- Exercise 5A Bringing Power to The Variable Speed Motor Section
- Exercise 5B Wiring A VFD to Vary The Speed of A Motor



Hampden is committed to providing industry-leading technology.

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99 Shaker Road P.O. Box 563, East Longmeadow, MA 01028-0563 • TEL. (413) 525-3981 • (888) HEC-CORP • FAX (413) 525-4741