

DRY MODEL TRIMMER *Ray Foster*

MTD1

Operating and Maintenance Instructions



**Sales, Service, and Technical Assistance
Call Toll Free 800 / 654-4519**

Ray Foster

**Ray Foster Dental Equipment
5421 Commercial Drive
Huntington Beach, CA 92649
714 / 897-7795, Fax 714 / 898 - 6013**

Operating and Maintenance Instructions

Introduction

Since 1941 the name *Ray Foster* has meant the highest standards for equipment used in dental prosthetics. The Foster **Dry Model Trimmer** is the result of long experience in designing rugged lab equipment and with minimal maintenance should provide years of service.

Before installing and using the Model Trimmer, please read this instruction and maintenance manual. If you have any questions or require assistance in obtaining repairs or parts please call us at 800/654-4519.

Product Description

The *Ray Foster* Dry Model Trimmer is designed to trim models made of gypsum, investment materials, or acrylic, without water. It is a conventional type model trimmer with a 1/3 HP motor and 10" diameter grinding wheel, equipped with a coated abrasive PSA disc. The Model Trimmer must be connected to a dust collector.

Safety Precautions

WARNING: When using electrical tools, basic safety precautions should always be followed to reduce the risk of fire, electrical shock, and personal injury.

- ✓ NEVER turn on the model trimmer with the door open.
- ✓ GROUND THE MOTOR. The motor must be grounded while in use to protect the user from electrical shock. Plug into a three hole grounded receptacle. If an adapter is used to accommodate a two-hole receptacle, the ground lug must be connected to a known ground. NEVER remove the third prong.
- ✓ WEAR ADDITIONAL EYE PROTECTION. Protect your eyes from model trimming debris by utilizing approved safety glasses or goggles when operating the Foster model trimmer.
- ✓ DISCONNECT THE POWER CORD. Before servicing, including changing the grinding wheel, unplug the power cord to prevent electrical shock or unintentional starting.
- ✓ KEEP YOUR FINGERS AWAY FROM THE GRINDING WHEEL. Use caution when operating the model trimmer. If the abrasive wheel appears dull, don't compensate by applying more pressure, change the wheel.
- ✓ FOR PROFESSIONAL USE ONLY. The Foster model trimmer is intended for use by trained adult professionals only.

Installation

The *Ray Foster* Dry Model Trimmer is complete and ready to operate right out of the shipping box. You will need to install the four rubber feet, as the machine is shipped without the feet installed to facilitate mounting to the shipping board. If

you prefer to mount the model trimmer to the counter, use these same four 1/4" holes in the base for securing to the counter.

The only utility that is required is an electrical power source, and the model trimmer MUST be connected to a dust collector. The *Ray Foster Cyclone Dust Collector* is an ideal mate for the Dry Model Trimmer, but most portable, under the counter type dust collectors work well; or it can be connected to a central dust collector system. 75 - 80 CFM is adequate to keep the work area dust free.

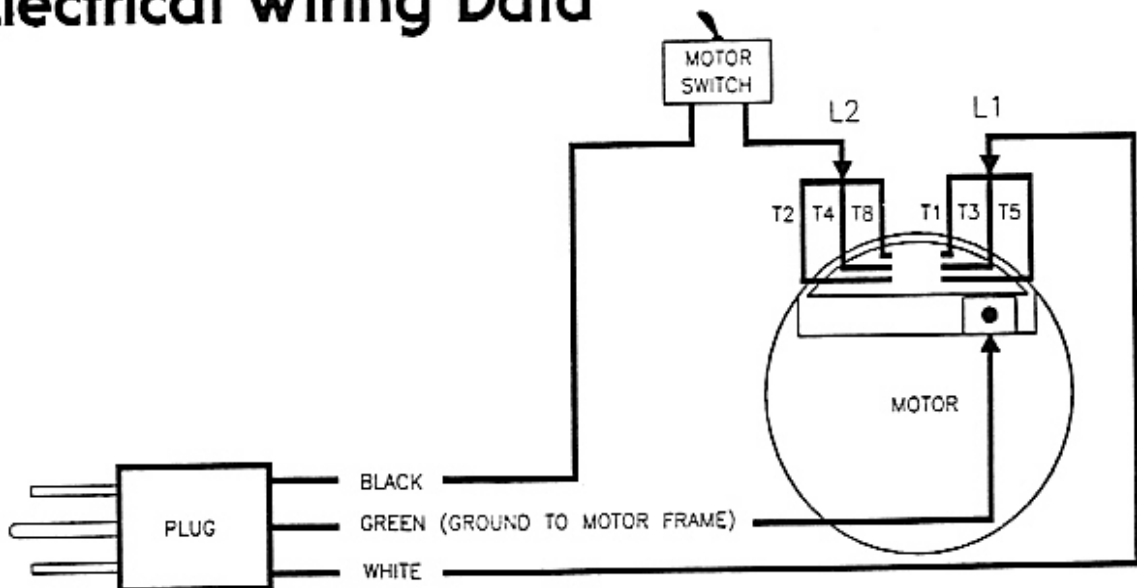
The model trimmer is equipped with a 1 1/2" ID X 6' hose. The white hose end connects directly to the model trimmer. The other end must be connected to a dust collector.

Operation

The dust collector system must be connected and turned on before attempting to trim models, otherwise, you will quickly fill the laboratory with a cloud of dust.

It is important that the models are as dry as possible. Grinding wet or excessively damp models will clog the grinding wheel and slow the operation. If the wheel becomes clogged, clean it with the *Abrasive Cleaning Bar* (item X164) provided. Slowly move the bar back and forth against the surface of the wheel as the machine is running.

Electrical Wiring Data



Specifications

HP	1/3
Watts	240
Volts (standard)	110 / 115
Volts (optional for export)	220 / 230
Hz	50 / 60
Amps, 110V	6.6
Amps, 220V	3.3
Wheel Diameter	10 in. (254mm)

Replacement Parts

<u>Description</u>	<u>Part No.</u>
Replacement Abrasive PSA Discs, Pkg of 6	A028
Abrasive Cleaning Bar	X164
Door Gasket.....	M104KIT
Motor Switch	M081
Door Secure Knob	M109
Lock Button for Abrasive Wheel.....	M095

Warranty

Ray Foster Dental Equipment warrants Foster Model Trimmers to be free of defects in material and workmanship for a period of one year from the date of purchase by the original user.

To obtain warranty service, the Model Trimmer or defective part, together with proof of date of purchase, must be delivered freight prepaid to the factory in Huntington Beach, California. At its option, Ray Foster Dental Equipment Company will replace or repair the defect free of charge, providing the Model Trimmer has not been subjected to abuse, neglect, damage, or used in a capacity other than which was intended.



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