

MTplus Model Trimmer with Vortex Compact EC 2L Dust (Project 03-11) (1/04)



The MTplus model trimmer is designed for either [wet or dry model trimming](#). It is available with [three types of trimming wheels](#): partially diamond-coated (Marathon), fully diamond-coated (Infinity), and a silicon carbide disc (Klettfix). The Marathon disc is designed for wet or dry trimming while the Infinity and Klettfix discs are used only for wet trimming. The MTplus features a polyurethane housing with a quick-release, hinged front cover providing easy access to the trimming wheel. Additionally, while the front cover is open a safety switch is activated, preventing the motor from accidentally starting. The unit's trimmer table can be removed, without the use of tools, for easy cleaning. It is also adjustable from 89° to 99° by turning an adjusting screw located on the table base.



In addition, the trimmer table is laser-engraved with angle markings for making precise models. The trimmer wheel opening at the table is 115mm W x 130mm H. The MTplus has a two horsepower 120V motor or a 1300W 220V motor. When in use as a wet trimmer, the MTplus has an adjustable water control valve, which controls the amount of spray onto the trimmer wheel to facilitate cleaning the unit. When dry trimming, Renfert USA recommends using the Vortex Compact EC 2L for dust extraction. Features of the EC 2L include; a variable speed suction control, wheels for portability, ten-foot vacuum hose, and brushless electronic commutating motor. The EC 2L is 445mm W x 553mm H x 450mm D and available in 120V, 50/60Hz or 220V 50/60Hz. The MTplus is 298mm W x 318mm H x 412mm D, has a 234mm trimmer disc diameter, and weighs 30lbs. Accessories for the MTplus include; an inlet tube, drain tube, tool set, and hardware set.

Manufacturer:

Renfert USA, Inc.
3718 Illinois Avenue
St Charles, Illinois 60174
(800) 336-7422
(630) 762-1803
(630) 762-9787 FAX
www.renfert.com

Suggested Retail Price:

\$884.49 - MTplus Trimmer & Klettfix wheel, (item #1803-0100)
\$1,350.50 - MTplus & Marathon wheel, (item #1803-0200)
\$1,651.48 - MTplus & Infinity wheel, (item #1803-0300)
\$1,222.98 - Vortex Compact / EC 2L dust extractor, (item #2928-4000)

Government Price:

\$621.20 - MTplus Trimmer & Klettfix wheel
\$965.90 - MTplus & Marathon wheel
\$1231.61 - MTplus & Infinity wheel
\$898.88 - Vortex Compact / EC 2L dust extractor

ADVANTAGES:

- + Powerful 2HP motor
- + Not required to fasten MTplus to benchtop
- + Can be used for wet or dry model trimming
- + Adjustable trimming table from 89° to 99°

- + Adjustable valve provides excellent water spray control
- + Safety switch shuts off motor when MTplus housing cover is open
- + Variable-speed control for Vortex Compact EC 2L
- + 3-year warranty
- + Relatively quiet operation at 80 decibels
- + Vortex Compact EC 2L provides adequate suction for dry model trimming

DISADVANTAGES:

- Trimming wheel and inside housing cover need periodic cleaning when dry model trimming
- Cost slightly higher than comparable model trimmers

SUMMARY AND CONCLUSIONS:

The MTplus is a versatile model trimmer that can be used for either wet or dry model trimming. Its polyurethane housing encloses the motor for quiet operation. DIS laboratory testing found it easy to set-up and switch between dry and wet model trimming. In addition, the Vortex Compact EC 2L provided adequate vacuum for dry model trimming. The use of the Vortex Compact EC 2L for dry trimming greatly increased the cost compared to wet trimming with only the MTplus. Also, dry trimming required periodic cleaning of the MTplus housing as stone dust accumulated. Clinical evaluators commented that the model trimmer with its powerful two horsepower motor trimmed models with ease and recommended the MTplus for use in the dental laboratory. The **MTplus Model Trimmer** and **Vortex Compact EC 2L Vacuum unit** are rated **Acceptable** for use as a dry model trimmer by the federal dental services. The **MTplus Model Trimmer** is rated **Recommended** for use as a wet model trimmer by the federal dental services.

MTplus Model Trimmer with Vortex Compact EC 2L

To use the MTplus as a wet trimmer simply connect the drain hose, connect the water hose, and plug the unit into a wall outlet. To use as a dry trimmer you must connect the MTplus to an external vacuum unit. Renfert USA recommends using the Vortex Compact EC 2L dust extraction unit. Next, open the front cover of the MTplus and remove the water rinsing tube and plug the hole with the supplied blind plug. Last, plug the MTplus power cord into the EC 2L unit and the EC 2L unit into the wall outlet. This enables the EC 2L unit to turn on automatically when the MTplus is started. A manual on/off switch can also be used.



 **Features**

