

J. Morita USA TwinPower Turbine High-Speed Handpiece

J. Morita's new TwinPower handpiece, the first with twin turbines, provides power, clinical stability, and constant speed.

The recently introduced TwinPower Turbine High-Speed Handpiece from J. Morita USA is the first handpiece to have twin turbines. In addition, the handpiece has an Anti Suck Back Diffuser, which prevents contaminated aerosol and other particles from being pulled into the air line. The TwinPower operates by air from the drive air nozzles powering the primary impeller. The exhaust air is then directed through fixed fins, which power the secondary impeller. The result is that the handpiece is more powerful and provides constant torque and controlled speed, even under load.

Maneuverability and Visibility

J. Morita USA describes the TwinPower handpiece as having a compact head that enhances maneuverability and provides superior access within the oral cavity. The 15° angle of the handpiece allows the user to easily maneuver throughout the patient's mouth.

When the 8 dentists who participated in this evaluation were asked to rate the TwinPower handpiece on maneuverability and visibility, 6 rated it as excellent, 1 rated it as very good, and 1 rated it as good. One evaluator said that he has used another handpiece for years, but "[the TwinPower] is a much finer handpiece."



Braking Ability

According to the manufacturer, the TwinPower handpieces are equipped with a quick-stop ring for safety during preparation. This rubber brake ring makes it possible to stop the turbine within 2 seconds.

PRODUCT REVIEW

The evaluators were asked to rate the TwinPower handpiece on its braking ability. Six evaluators rated the braking ability as excellent and 2 rated it as very good. One evaluator noted that it “doesn’t brake quite as fast as I expected, but better than others.” Another evaluator said, “The braking ability is instant and helps me to keep control of the handpiece during dental procedures.”

Suck Back

The manufacturer says that the Zero Suck Back technology incorporated into the TwinPower handpiece improves infection control. The Anti Suck Back Diffuser (ASBD) located in the handpiece head pressurizes air through centrifugal force. The air within the ASBD is prevented from being depressurized, creating what the manufacturer calls true zero suck back. When the evaluators were asked about the suck back into the air line of the TwinPower handpiece, 7 rated it as excellent and 1 rated it as good.

Noise Level of Handpiece

The TwinPower handpiece is designed with advanced fluid dynamics to reduce the high-pitch noise emitted by many high-speed handpieces. The quieter handpiece is intended to be more comfortable for both patients and dental professionals. When the evaluators were asked to rate the handpiece on noise level, 3 rated it as excellent, 3 rated it as very good, and 2 rated it as good. One evaluator described the handpiece as “noticeably quieter than others.” A second evaluator said, “This handpiece emits less noise than others. Very good for phobic patients who hate extreme noise and have had bad experiences at the dentist.”

Ergonomics of Handpiece

According to J. Morita USA, the compact and lightweight design of the TwinPower handpiece makes it comfortable to use, even for longer procedures. It weighs 48 g, reducing hand, wrist, and finger fatigue. The recently redesigned handpiece grip allows the user to hold it in a more relaxed manner.

The 8 evaluators were asked to rate the ergonomics of the TwinPower handpiece. Six evaluators rated it as excellent and 2 rated it as very good. One evaluator described it as “very light and comfortable to hold.”

Overall Satisfaction

When the evaluators were asked to compare the TwinPower handpiece to other similar handpieces, 7 described it as much or somewhat better. In addition, all 8 evaluators said they would definitely or probably recommend the handpiece to their colleagues and purchase it in the future.

When asked to give their overall satisfaction rating for the TwinPower handpiece, 6 rated it as excellent and 2 rated it as very good. One evaluator said that the “J. Morita handpiece provides visibility superior to other handpieces.”

TwinPower Turbine High-Speed Handpiece

J. Morita USA
9 Mason
Irvine, CA 92618
888.566.7482

Company Website:
www.jmoritausa.com

Suggested Retail Price:
\$990.00

Pros:
Braking ability
Ergonomics

Cons:
Instructions

Reader Service 125
For more information about this product, visit
www.dentalproductshopper.com

RATING
4.6

Evaluation Snapshot

Criteria	Average Score (out of 5)
Maneuverability and visibility in oral cavity	4.6
Braking ability	4.8
Suck back into air line	4.8
Noise level of handpiece	4.1
Ergonomics of handpiece	4.8
Perceived value (ROI)	4.6
Instructions/training	3.0
Overall satisfaction	4.8

Number of evaluators: 8
Combined years in practice: 93

0 | 1 | 2 | 3 | 4 | 5

4.6

Dental **PRODUCT SHOPPER**
BEST PRODUCT
2008