

# X50 Brushless Electric Lab Handpiece System



## Premium 50,000 RPM High Torque System!

- **Ultra-High Torque Cutting Power**

Brushless high-torque motor and control system provide brute-strength 7.8 N. cm. torque and precise control from 1,000 to 50,000 rpm with no carbon brush maintenance.

- **New Whisper-Quiet Motor**

New brushless motor features ultra-quiet and extremely smooth operation. Improved bearings and balance provide highly-concentric, vibration-free operation in a sealed, maintenance-free design. Convenient twist lock/unlock chuck provides safe and secure holding of HP-sized instruments.

- **New Advanced Console Design with Microcomputer Control**

New intelligent microprocessor control provides fully variable speed via console or foot control. Console provides precise speed control, digital rpm display, and controls for hand/foot and forward/reverse operation.

- **Foot Control "Smart Cruise" Feature**

New smart cruise control circuitry automatically senses when the Foot Control speed is held constant and auto-activates precise rpm control with an audible two beep tone. Feature immediately deactivates with next touch of Foot Control and ready for resetting as desired.

- **Heavy Duty Construction**

Components and system designed to provide safe, reliable and trouble-free operation. High impact housing is tough and easy to clean. One year warranty.

- **Improved Safety**

Intelligent safety circuitry is designed to protect the computer controls and the handpiece. The safety-lock on the console speed control dial helps prevent unintentional higher speed operation.

- **Sizes**

**Handpiece:** 6.25 in. (159 mm) Long x 1.125 in. (29 mm) Back Diameter, .75 in. (19 mm) Front Diameter x 8.2 oz. (232 gm) Weight

**Console:** 7 in. (178 mm) Width x 9.5 in. (241 mm) Depth x 4.25 in. (108 mm) Height x 7 lb. (3.2 kg) Weight

- **Ordering Information**

<b>Item #</b>	<b>Description</b>
37800	X50 Brushless Handpiece System Complete, 120V AC, including Control Console, Brushless Handpiece w/ HP Collet, Foot Control, Handpiece Holder and Collet Wrenches
37803	X50 Brushless Handpiece System Complete, 220V AC, including Control Console, Brushless Handpiece w/ HP Collet, Foot Control, Handpiece Holder and Collet Wrenches
37805-107-3	Replacement HP Collet Chuck for X50 Handpiece, 3/32" Size
37805-COLLET3MM	Optional 3mm Collet for X50 Handpiece
37805-COLLET18	Optional 1/8" Collet for X50 Handpiece

Notes: 1) Use extreme caution and wear personal protective eyewear and equipment when operating the X50 system

2) Do not exceed 35,000 rpm with burs having head diameters larger than 1/8"



The X50 Brushless Motor runs strong, smooth and quiet due to its balanced permanent magnet core and outer electromagnetic shell



Brushed-Style Motors create additional noise and vibration due to their large traditional wound electromagnetic cores



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