

  
X-Smart® Pro+  
Endo Motor with Integrated Apex Locator

# The right partner for your file



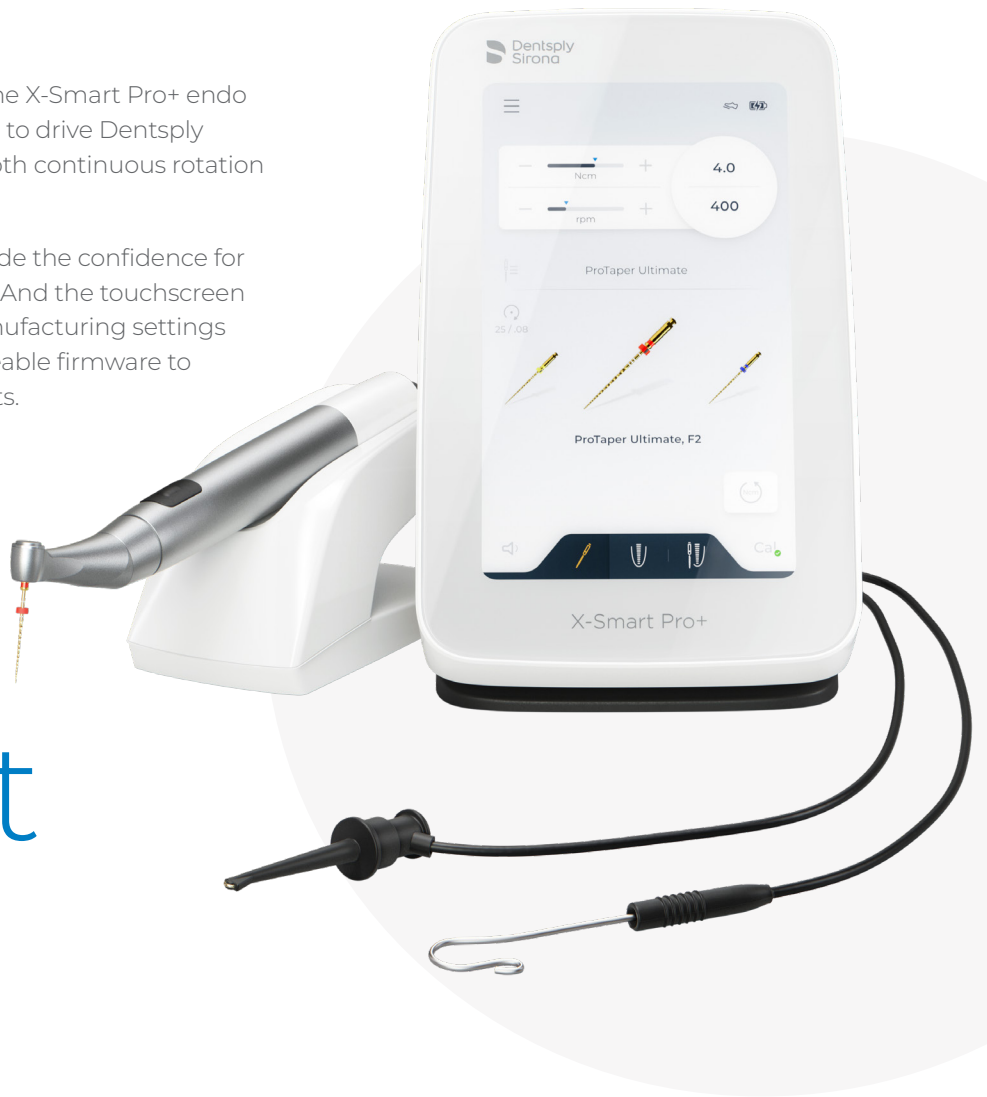
**ENJOY ENDO**

 Dentsply  
Sirona

 VDW  
 MAILEFER

With up to 7.5 Ncm and 3,000 rpm, the X-Smart Pro+ endo motor has been specifically designed to drive Dentsply Sirona's endodontic file systems in both continuous rotation and reciprocating modes.

Our integrated apex locator will provide the confidence for length determination while shaping. And the touchscreen interface provides easy access to manufacturing settings for the files you choose, with upgradeable firmware to accommodate tomorrow's treatments.



# Perfect match

Our file systems are patented for their unique features and Dentsply Sirona recommends their usage with our endo motor featuring the genuine motions.

## WaveOne® Gold



## RECIPROC® Family



**Fine-tuned reciprocating motion** for WaveOne® Gold and RECIPROC® Family files, with precise angulation, acceleration and speed for simplicity and reliability.

## ProTaper Ultimate®



## VDW.ROTATE



**Dedicated power and torque** for performance across a full range of anatomies with ProTaper Ultimate® and VDW.ROTATE files.

## TruNatomy®



**Constant, stable speed control at low torque** for procedural control with TruNatomy® files.

**DID YOU KNOW?**

Dentsply Sirona files are laboratory tested to ensure performance under specific settings.

During the shaping procedure, the demands on your file change based on the canal's anatomy and the force applied by the dentist.<sup>1</sup>



We often focus on the file, but the endodontic motor is equally important. It must respond to the various challenges within a canal and stabilize quickly for the file to consistently perform at its best.

Dr. Sarah Attal, DDS, Endodontist  
DS Endo KOL

**X-Smart Pro+  
Stabilization Time<sup>2</sup>**



0.01 sec.



0.02 sec.



0.03 sec.

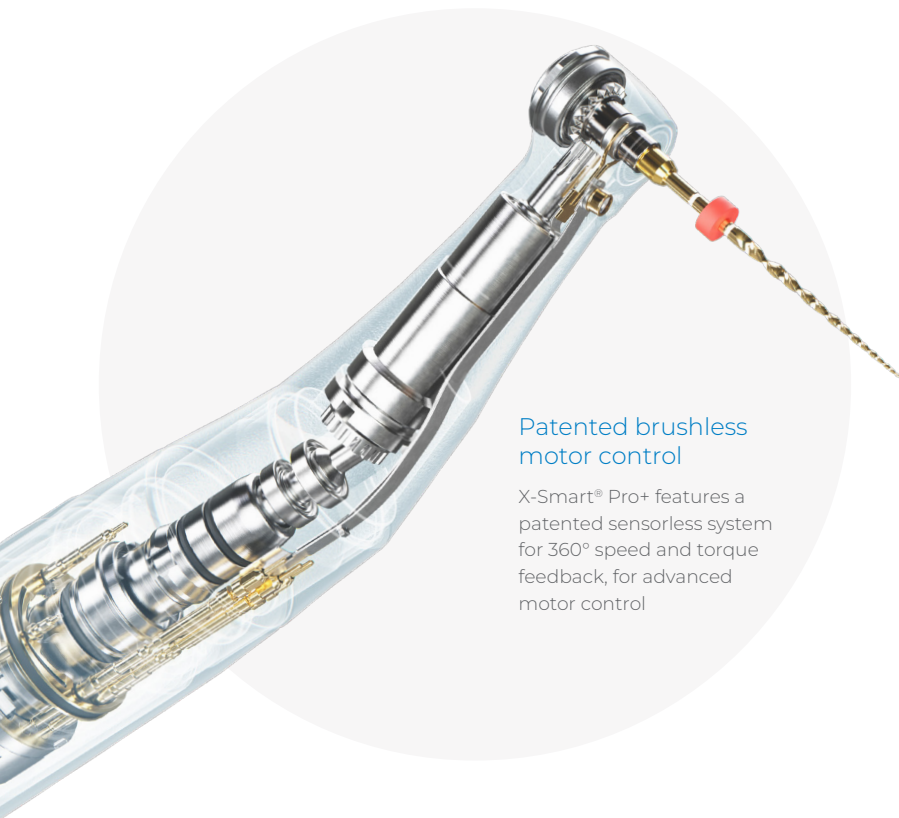


# Responsive control



The X-Smart Pro+ provides a noticeably smoother experience compared to my previous unit. It is instantly noticeable during use and has improved the tactile feel of my files, enhancing my ability to perceive what's happening inside the canal!

Dr. Omar Ikram, DDS, Endodontist  
DS Endo KOL



**Patented brushless motor control**

X-Smart<sup>®</sup> Pro+ features a patented sensorless system for 360° speed and torque feedback, for advanced motor control

1. Capar, I. D., & Arslan, H. (2015, February 18). A review of instrumentation kinematics of engine-driven nickel-titanium instruments. *International Endodontic Journal*, 49(2), 119-135.  
2. Internal data on file. For more information, contact Consumables-Data-Requests@dentsplysirona.com  
Based on bench performance testing on one unit, under continuous rotary movement at 400 RPM, without the use of files. Stabilization time refers to the time period required for the motor to return to stable speed following step changes in torque load from 0 Ncm to 1, 3 or 5 Ncm. Testing was repeated three times for each torque load with the maximum value indicated.



When shaping canals, you want to reach the apex precisely, as efficiently as possible.

Our **Dynamic Accuracy™** technology **reads the measurement signal accurately while shaping**, with auto-reverse function to keep your file on your desired target.

# Efficient precision



Prior to using this motor, I exclusively relied on a stand-alone apex locator. However, the precision of the apex locator integrated in the new motor is ideal to shape and locate at the same time. I have full confidence in its accuracy, eliminating the need to switch to hand files. This feature makes it ideal for the single-file Reciproc Blue system, resulting in time savings during procedures.

Dr. Ghassan Yared DDS, Endodontist  
DS Endo KOL



Accurately determines the major apical foramen and no over-instrumentation beyond the major apical foramen\*

\* Internal data on file. For more information, contact Consumables-Data-Requests@dentsplysirona.com: A. ElAyouti, X-Smart Pro+ - Accuracy of integrated apex locator, University of Tübingen (Germany). Unpublished data on a bench test setup on 3D printed teeth.

10.59 mm

Integrated 10-lumen LED

### Visibility and access

Locate and enter root canal with confidence  
Easy treatment of patients with limited mouth opening\*

360° adjustable position

### User-friendly touchscreen interface

Large, easy-to-clean screen  
Easy navigation with gloved hand  
Up to 30 customizable file sequences with upgradable firmware  
Bluetooth® foot switch

(optional)

# Complete focus

The X-Smart® Pro+ Endo Motor keeps you **focused on the procedure, not on the tools.** A streamlined workflow helps you do your best work.

### Ergonomic design

Battery power to support a full day of work  
Portable convenience with the power and functions of a tabletop unit  
Drag and drop magnetic holder for enhanced comfort, reduced fatigue



### Removable/autoclavable handpiece metal sheath

Complies with the latest infection control guidelines  
Reduces waste, making handpiece barrier sleeves obsolete



\*Compared to contra-angles with larger head height

# Technical Specifications

- Reciprocating and rotary motions
- Includes file library with preset programs for WaveOne® Gold, ProTaper Ultimate®, TruNatomy®, and RECIPROC® family, and VDW.ROTATE endodontic file systems
- Customizable file sequences, compatible with other endodontic files and instruments
- Auto-reverse rotation at preset torque limit and at doctor's desired working length
- On/Off button on the motor handpiece or optional wireless footswitch
- Calibration function (CAL) for precise torque setting
- 7" touchscreen interface
- Mini contra-angle with integrated 10-Lumen LED
- 360° adjustable position
- Lithium-ion battery
- Autonomous operation through a full day of work\*
- Full recharge in only 1.5 hours
- Motor can be run on battery only or can be recharged during treatment
- Universal charger (voltage 110–240, 50/60 Hz)
- Torque range: 0.2 N·cm – 7.5 N·cm
- Speed range: 100 rpm – 3,000 rpm
- Autoclavable handpiece sheath and contra-angle
- Upgradeable via Wi-Fi

\*10 treatments of 2 canals with 4 files per canal

## Product Reference

### X-SMART® PRO+/PRO MOTOR



**6779016 X-Smart® Pro+ Endo Motor with Integrated Apex Locator**

X-Smart® Pro+ Endo Motor with Integrated Apex Locator, Mini Contra Angle with Integrated LED, 360° Adjustable Position Stainless Steel Handpiece Sheath, Magnetic Handpiece Holder, Accessories Box (charger with universal power adapters), Lip Clip, File Clip, Y-Connector Cable



**6779008 X-Smart® Pro Endo Motor**

X-Smart® Pro Endo Motor only, Mini Contra Angle with Integrated LED, 360° Adjustable Position Stainless Steel Handpiece Sheath, Magnetic Handpiece Holder, Accessories Box (Charger with universal power adapters)

### ACCESSORIES

<b>6794536</b>	X-Smart Pro+/Pro 5:1 contra-angle
<b>6793462</b>	X-Smart Pro+/Pro 5:1 contra-angle + handpiece sheath
<b>6752401</b>	X-Smart Pro+/Pro handpiece
<b>6793439</b>	X-Smart Pro+/Pro handpiece sheath
<b>6770601</b>	X-Smart Pro+/Pro handpiece holder
<b>6793496</b>	X-Smart Pro+/Pro battery (rechargeable)
<b>6793512</b>	X-Smart Pro+/Pro power supply (charger and cable)
<b>6781798</b>	X-Smart Pro+ Y-connector cable
<b>6781806</b>	X-Smart Pro+ file clip, 2 pieces
<b>6781772</b>	X-Smart Pro+ lip clip, 5 pieces
<b>6779388</b>	X-Smart Pro+/Pro wireless footswitch
<b>6793538</b>	X-Smart Pro+/Pro lubrication adapter
<b>6793736</b>	X-Smart Pro+/Pro contra-angle adapter for DAC Universal
<b>6814193</b>	X-Smart Pro+/Pro handpiece sheath adapter for DAC Universal

### TREATMENT SOLUTION MOTOR KITS\*\*



**B 00 XSP0 WIG KIT**

X-Smart® Pro  
WaveOne® Gold  
AH Plus Jet® Root Canal Sealer



**B 00 XSPP WIG KIT**

X-Smart® Pro+  
WaveOne® Gold  
AH Plus Jet® Root Canal Sealer



**B 00 XSP0 PTL KIT**

X-Smart® Pro  
ProTaper Ultimate®  
AH Plus Jet® Root Canal Sealer



**B 00 XSPP PTL KIT**

X-Smart® Pro+  
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**B 00 XSP0 TNO KIT**

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\*\*Products may not be available in all markets.