

iM3[®]

EVOLUTION RANGE of Veterinary Dental Units

*The Future of
Veterinary Dentistry*



SINCE 1981
PENN

Veterinary Supply, Inc.

Phone: 800.233.0210

www.pennvet.com

**Evolve into Advanced, Professional
Veterinary Dentistry**

iM3[®] EVOLUTION RANGE

LED HIGHSPEED HANDPIECES

European-made LED handpiece offers 400,000 rpm for efficient sectioning, with daylight-like light for comfortable work and clear colors. Its 360° swivel coupling minimizes fatigue through easy rotation and low weight. The triple coolant spray provides precise cooling, while a hygienic head prevents aerosol intake.



LOW SPEED HANDPIECES

Choose between traditional air driven and advanced electric micromotor options.



Air Driven

Air-driven handpieces are low torque and are easier to work with, making them suitable for beginners. The Advantage Low-Speed Motor is lightweight and shorter than conventional models, reaching a maximum speed of 25,000 rpm.

Electric Micromotor

The optional built-in electric micromotor opens up a wide range of possibilities for advanced veterinary dentistry. Veterinarians can benefit from a European-made, high-torque, compact-sized, and lightweight motor with an LED light, durability, and quiet operation. The intelligent premium motor stops when over-torqued, making it the perfect choice for expert veterinary dentists.

✓ HANDPIECE CABLES

The new handpiece cables feature a quick release and a built-in oil filter, allowing for even easier maintenance. The straight cables are easy to clean and don't tangle.

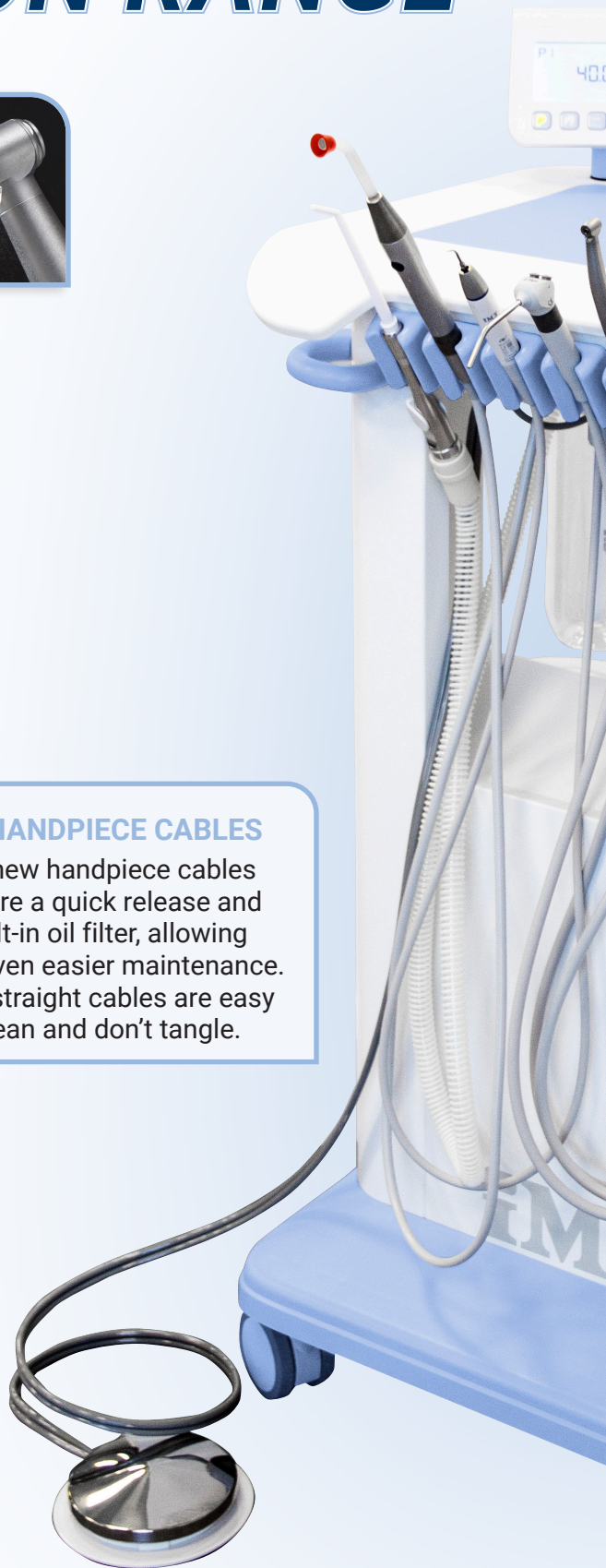
THREE-WAY SYRINGE

Capable of producing a blast of air, a spray of water, or a combined mist, the Evolution range features a lightweight and ergonomic syringe with a quick disconnect for easy maintenance.



✓ FOOT CONTROL

The foot control is used to operate all instruments on the unit. It is air-based, making it waterproof and more reliable than electric pedals.



✓ DIGITAL SCREEN

Evolution Range dental units with electric micromotors also feature our new, easy-to-use LCD screen for adjusting speed, direction, and torque settings on the motor. The screen also controls scaler power.

BUILT-IN SCALER

European-made piezo-ceramic scalers are now built-in as an optional feature on iM3 dental units, high quality and with LED light. Alternatively, external scalers can be used, thanks to a coolant outlet and power board.



BUR MAGNET

The iM3 designed magnetic bur holder prevents burs from falling on the ground; they are held in place right where you need them. The Evolution Range features magnets on both sides of the control top to save you from reaching over the handpieces.



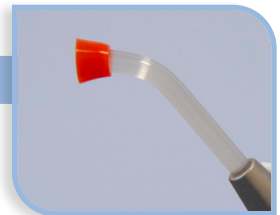
CARTRIDGE TOGGLES

All iM3 toggles can be changed in seconds due to the cartridge valve system used by iM3. This advanced feature allows for the quick cleaning and replacement of valves, reducing machine downtime and loss of revenue.



CURING LIGHT

This optional built-in curing light has a dominant wavelength between 440 nm and 465 nm and an LED light emission of over 1,400 mW/cm². It offers two curing modes: a fast 10-second setting and a slow 20-second setting.



AUTOCLAVABLE SUCTION

Automatic suction with suction tips, handpiece, and smooth bore suction tubing that can be easily removed and autoclaved. Waste is collected in an easily accessible one-liter container with a replaceable filter. Thanks to iM3's powerful compressor, suction and handpieces can run concurrently with no loss of performance.



iM3[®] EVOLUTION RANGE

INSTRUMENT TRAY

The Evolution Range features a built-in instrument tray with a non-slip silicon mat. The Corian® surface is impervious to bacteria and easy to clean, unlike fiberglass and plastics.



BOTTLES & STRAW

All Evolution Range units are fitted with two coolant bottles, one for the **CLS solution** and the other for water. The latest innovations remove the need for a pressure switch, as the unit is able to detect the presence of the bottles independently.



The iM3 Straw is standard on all units in the range. The Straw provides continuous disinfection to the coolant water for 365 days. It is non-toxic, non-corrosive, and does not adversely affect composite bond strength.

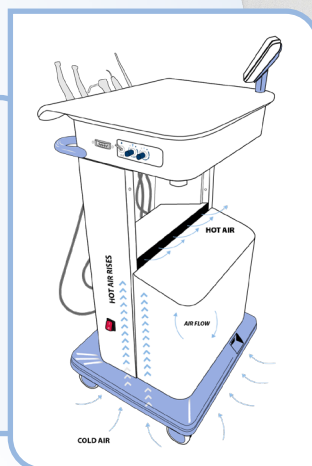
HANDLES

You asked, and we provided: the iM3 Evolution Range features a robust handle for maneuvering the unit into position.



✓ AIR FLOW

iM3's innovation employs a chimney effect to keep compressors cool, allowing them to run for over 10 hours continuously inside a box. This natural convection process maintains reliability without the need for additional cooling systems.



POWER BOARD

On-board power outlets for additional equipment, helps keep the surgery organised.

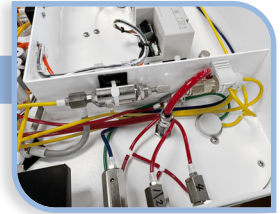




INTERNALS

The new Evolution Range builds on iM3's long-lasting ethos, creating dental units made for the rigors of working in the extreme environments of veterinary clinics worldwide.

All internal air, water, and electric lines are color-coded, and electronics are modular for easy repair should it become necessary, most of which you can carry out yourself.



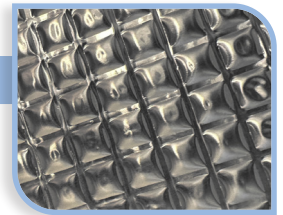
COMPRESSOR

iM3 developed the first oil-free compressor fitted to a dental machine with suction. Oil-free technology eliminates the risk of oil contaminants entering the air supply of the dental machine. It also greatly reduces the maintenance regime.



SOUND PROOFING

Using high-quality soundproofing from the automotive industry helps the Evolution Range be user and patient-friendly, with reduced noise and reduced heat.



STORAGE

For those who opt for central compressors, we can re-use the space to provide three convenient shelves of instrument storage and a small equipment shelf, perfect for the *iM3 Vet Tome*.



LOCKABLE CASTERS

These hospital-grade castors are designed to remain mobile and not trap hair or dirt. The back castors feature a new locking mechanism.





iM3[®] ADVANTAGE LED HIGH SPEED HANDPIECE

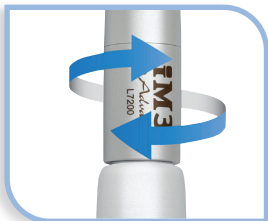
The **Advantage LED High Speed (400,000 rpm) Handpiece and Swivel with inbuilt generator** creates its own LED light.

With a color temperature of 5,500 K, the Advantage produces a radiation spectrum that corresponds to daylight. The high-color rendering index (CRI 90) of the LED enables relaxed work thanks to daylight-quality light and provides exceptional reproduction of natural colors and clear color contrasts in the mouth.

The Advantage minimizes fatigue thanks to the easy 360° rotation of the handpiece on the coupling, the low weight and the slender design. The unique handpiece design also allows for component replacement on site by the user.



- ✓ Simple FG bur changing - push button design and yellow iPush included.
- ✓ Precision bur cooling - triple coolant spray produces a mist around the bur.
- ✓ Patented hygienic head - prevents aerosol particles from being sucked into the turbine.
- ✓ Replaceable water filter, four-hole connection, autoclavable. Made in Austria, One year warranty. Supplied with **L7050 iPush & MD30 oil**.
- ✓ Veterinary-specific reinforced metal threads and couplings set the iM3 Advantage handpieces apart from human dental handpieces which typically use plastic. As a result, iM3 Advantage handpieces are built to far better withstand the strains of a veterinary workload than the human dental equivalents.



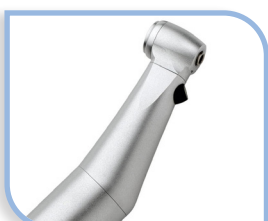
LOW SPEED HANDPIECES - iM3[®] ADVANTAGE

The classic **air only** option, great for polishing, the **Advantage Low Speed Motor** is ergonomically designed to be more user friendly. The motor is light weight and shorter than conventional low speed motors.

The **Advantage 4:1 reduction straight nose cone** reduces the speed of the low speed motor and accepts disposable prophylactic angles for polishing. The unique design means the nose cone is shorter and lighter and fitting prophylactic angles is as simple as pushing them on!

iM3 recommends **Rock & Roll** polishing angles (**L7466**), the 60° reciprocating "back and forth" action of the prophylactic cup prevents muzzle hair from being tangled and allows the cup to have continuous contact on the tooth surface. The reciprocating action also reduces heat and friction on the tooth and doesn't splatter prophylactic paste.

Compatible with the Straight Nose Cone (**L6860 - sold separately**), the iM3 Advantage Low Speed Motor is also great for rabbit dentistry.



LOW SPEED HANDPIECES - iM3[®] SW FEATURE

Opening the door to more advanced dentistry, the **SW feature** (short for Slow Water) adds coolant to the low speed handpiece lines and is an option on all Evolution Range dental units.

The SW models are supplied with a speed adjustable, low speed motor (with forward and reverse) and a 1:1 LED contra angle handpiece with water. Allowing for specialist RA burs and polishing discs to be used.

LOW SPEED HANDPIECES - ELECTRIC MICROMOTORS



The Evolution Range introduces the option of **Electric Micromotors** to iM3's core range of veterinary dental units and represents a significant leap forwards for the industry.

iM3's brushless electric motor offers impressive functionality and comfort. It is particularly small and surprisingly light, is comfortable to hold and in addition to the consistent high power, also scores extra points with its features such as LED technology, long service life and quiet operation.

ISO Short coupling aka **E-Type connection** means the motor is compatible with all conventional straight and contra-angle handpieces. High performance, reliable durability and a broad spectrum of speeds from 2,000 to 40,000 rpm.

Optional contra angles include 1:1 and speed increasing 1:5. These high quality, European made contra angles combine with iM3's electric motor for a considerably shorter and noticeably lighter complete system. This makes it possible to satisfy the highest ergonomic demands and effectively avoid fatigue, even when working for extended periods of time.

The LED technology integrated in the motor lights the treatment site with daylight-quality illumination. While the long-lasting brushless drive means reduced service and maintenance costs combined with increased service life. Sensor-controlled drive technology makes it particularly quiet and largely free from vibration.

Evolution Range dental units with electric micromotors also feature our **NEW** easy to use LCD screen for adjusting speed, direction and torque settings on the motor.

HIGH QUALITY MATERIALS - HAND MADE IN EUROPE

iM3 is renowned for our long lasting dental units, with some units still working in practice that were first manufactured over 30 years ago by our founder in Australia. The new Evolution Range builds on this long lasting ethos creating dental units made for the rigors of working in the extreme environments of veterinary clinics worldwide.

All the **Evolution Range dental units** are hand built using materials that can withstand the everyday working in a busy veterinarian clinic. From the full aluminum frame and Panels, to the medical grade powder coating, stainless steel screw, to the corian dental top. iM3 build quality sets standards that others could only wish for. The Evolution Range sets the bench mark in usability and long life that is needed in every veterinary dental practice.

The evolution range is designed to grow with you as you walk the path of veterinary dentistry. iM3 as a company will be with you on this journey with training and support, your dental unit will be too.

Using the iM3 Evolution Range base, you can build the dental unit that is needed today, with the knowledge that it can grow with you as you become more expert and need a bigger and better dental unit.

At any point you can add micromotors, scalers and light cure units. You can move your unit from being a standalone unit to being a wall mount unit, to even attaching it to a dental table.



Evolution Range - something for Everyone!



iM3 EVOLVE

The iM3 Evolve dental unit is the perfect entry level for veterinary dentistry. As standard, the Evolve comes with an LED high-speed handpiece, a low-speed air handpiece, and a three-way syringe. A built-in piezo scaler is a popular optional extra, resulting in a complete unit for basic dentistry. The Evolve also has the option for low speed with water cooling, allowing the use of contra-angles with RA burs and polishing discs.

As the name suggests, this unit can evolve. As your practice develops into more advanced dental procedures, the Evolve dental unit can be upgraded with the features of the iM3 Advanced and iM3 Professional units.



iM3 ADVANCED

The iM3 Advanced dental unit is geared toward the more experienced practitioner.

Building upon the iM3 Evolve's features and options, the Advanced unit comes as standard with iM3's autoclavable suction. The Advanced unit also introduces the optional electric micromotor and screen.

iM3 recommends the Advanced for those ready to take their level of dental care forward, as well as for busy practices and hospitals performing daily dental work



iM3 PROFESSIONAL

The iM3 Professional dental unit sets the standard for true veterinary dental equipment.

The Professional unit is another step up in terms of functionality and versatility, combining the features of the Evolve and Advanced units with an optional curing light. This unit can be tailored to suit the needs of any veterinary dentist.

Check out the iM3 website where you can use our simple tools to tailor your own perfect veterinary dental unit.

MOUNTING OPTIONS

All units in the iM3 Evolution Range can be supplied as mobile carts (with or without in-built compressors), wall-mounted, or mounted on the iM3 Tara table for the ultimate dental working environment.

