

iM3 EVOLUTION RANGE

Evolve Dental Unit

Everyday veterinary dentistry, built to be upgraded

The Evolve is the entry point to the iM3 Evolution range, and the unit most practices start with. It arrives ready for routine dentistry: an LED high-speed handpiece on a coolant line, a low-speed air handpiece, and a three-way syringe.

As the practice takes on more advanced work, the same unit builds up with features from the Advanced and Professional models rather than being replaced.



Built for a veterinary workload

- Full aluminium frame and panels, medical-grade powder coat, stainless fixings and a Corian work top
- Silent oil-free compressor with internal sound proofing
- Air, water and electrical lines colour coded throughout; electronics modular, so most repairs can be done in the practice
- Advantage handpieces use reinforced metal threads and couplings where human dental handpieces use plastic
- LED high speed to 400,000 rpm at 5,500 K, CRI 90 - daylight-quality light in the mouth
- Bur magnet, instrument tray, two coolant bottles, on-board power outlets and lockable casters

As supplied

High speed	Air driven with coolant, iM3 Advantage LED handpiece (L7300)
Low speed	Air driven without coolant, Advantage handpiece (L6200 / L6250)
Syringe	Three-way - air, water or a combined mist, quick disconnect
Control	Foot control, cartridge toggles, built-in bur magnet
Compressor	Silent oil-free compressor built into the cart
Warranty	Three years on unit and compressor, one year on handpieces

ULTRASONIC SCALING

iM3 42-12 Scaler

Rotational tip movement, not a jack hammer

Most ultrasonic scalers drive the tip back and forth against the tooth. The 42-12 moves its tip in a small circle at very high frequency instead, breaking calculus off the surface rather than chipping at it.

The result is a gentler action on enamel - which matters more in animals than in people, because animal enamel is considerably thinner.



What that changes in practice

- 42,000 Hz with a tip amplitude of 0.02 mm - high frequency, very small movement
- Safe to work in periodontal pockets to 13 mm, beyond what heat-generating scalers manage comfortably
- The ultrasonic action disrupts bacteria in the surrounding 1 to 2 mm, not only the calculus the tip touches
- Finger on/off control on the handpiece - no foot pedal, no cable across the floor
- Rotational movement and high frequency generate a fine coolant mist, adjustable at the control box

Ferrite rod, not metal stack

The 42-12 is magnetostrictive, but it uses a ferrite rod rather than the metal stack found in Cavitron-style units. The two look similar and are often confused. A metal stack runs considerably hotter, and heat is what limits how long a tip can sit against a tooth. Tips are titanium rather than stainless steel: dearer to replace, but they outlast the stainless tips used on piezo and Cavitron units.

Specification

Technology	Ferrite rod magnetostrictive
Frequency	42,000 Hz
Tip movement	Rotational, 0.02 mm amplitude
Subgingival	Safe to 13 mm pocket depth
Tips supplied	Universal and Perio, titanium, plus a spare ferrite rod
Power setting	Touch control, five levels; two to three suits routine scaling
Sterilising	Handpiece and tips both autoclavable

THE PACKAGE

Evolve and 42-12 together

One quote, one delivery, one warranty to track

What the package contains

Dental unit	Evolve with handpieces and silent oil-free compressor
Scaler	iM3 42-12 ultrasonic scaler supplied with two tips
Consumables	Consumable kit for the dental machine (U3001)
Burs	Veterinary dental bur diamonds (BURS02)
Burs	Veterinary dental bur essentials (BURS01)
Warranty	Three years on unit and compressor, one year on handpieces

Room to grow

A built-in piezo scaler and LCD screen, built-in suction, a curing light and an electric micromotor are all available on the Evolve. The micromotor uses an ISO short (E-type) coupling, so it takes conventional straight and contra-angle handpieces. Mounting options are a mobile cart with or without a compressor, a wall arm, or the iM3 Tara table - note that the wall arm and Tara mounts do not include a compressor.

Why a dental unit earns its floor space

A dental unit is the difference between charging for a scale and polish and charging for dentistry. High-speed sectioning turns a difficult extraction into a routine one, and the work stays in the building instead of being referred out. Paired with the 42-12, a practice can scale, section, extract and polish without sending a case anywhere.

Talk to CenQuip

Ask for the current package quote, or for pricing on the Evolve alone if the practice already runs a scaler. We install, train the team on site, and carry the consumables.