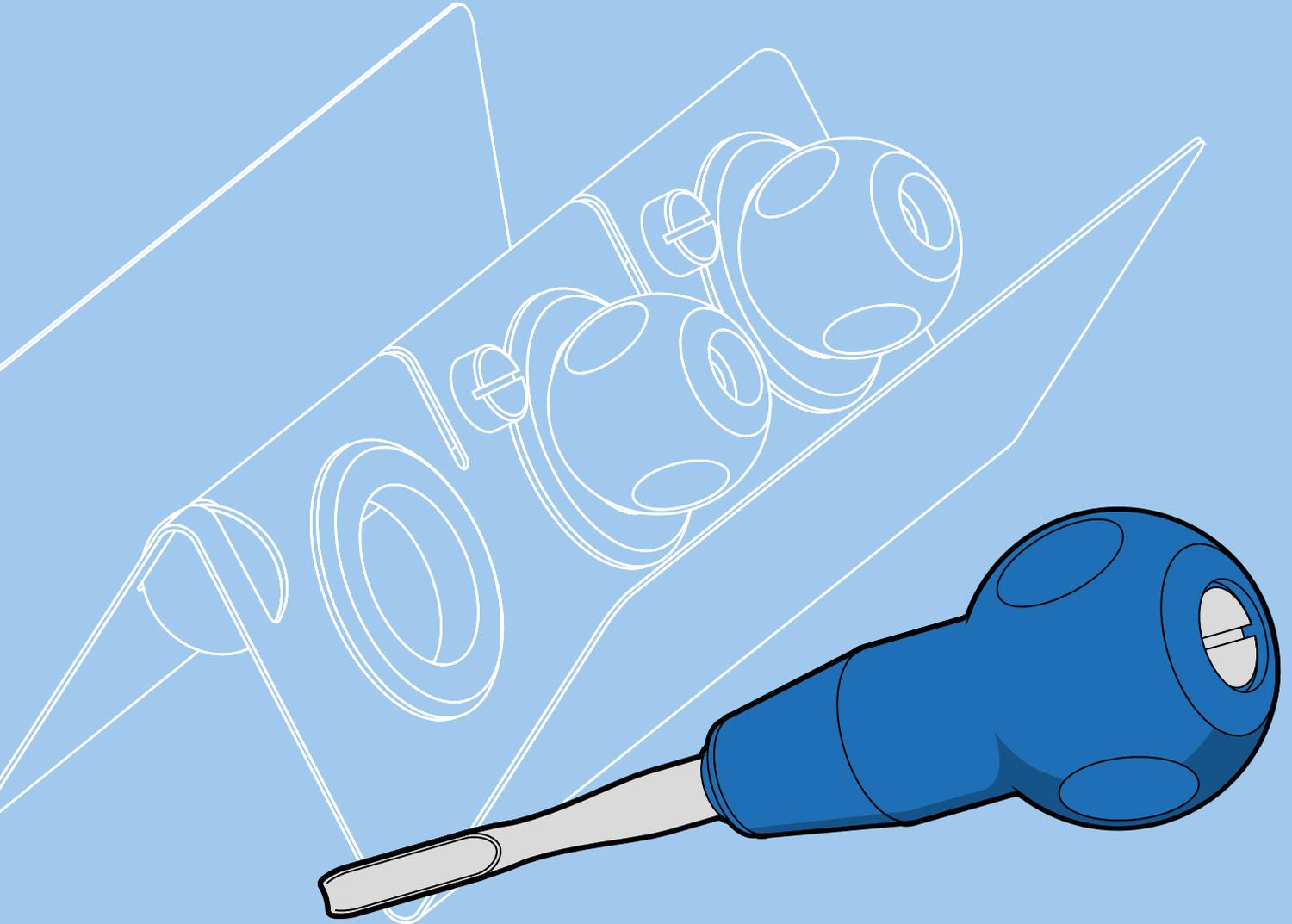




N2 (UK) Ltd



Dentanomic



The cutting edge of veterinary dentistry

Dentanomic modular instruments feature superb quality hardened and tempered surgical blades, helping you operate to the highest standards.



Dentanomic instruments were designed by a UK veterinary surgeon and are 100% manufactured in the UK.



N2 (UK) Ltd

Having been in small animal practice some time, I was always frustrated with dental equipment. Even when you splashed out at BSAVA, a new set of instruments never stayed perfect for long. The metal quality was bad, no one knew how to sharpen the instruments and it was too easy to sharpen them badly and destroy the edge.

I'd already been involved with some other veterinary design projects and about six years ago, I started to think about making a dental instrument where the blade could be easily replaced when it was damaged. Easier said than done – dental surgery puts a lot of pressure on the instrument.

Working in a team of engineers, vets, designers and manufacturers, we managed to design an attachment system that was simple and strong and wouldn't unlock during surgery – yet was easy and quick to unlock when needed. We started to look at handle designs that would fit into the musculature of the hand so that you could operate without hand fatigue. We prototyped a huge number of different handles in clay, found a few that worked well and made them in aluminium for testing. We picked the one that all our clinical testers liked and tweaked the design to get the balance perfect.

We'd already taken the decision to manufacture everything in the UK. What we hadn't expected is the difference that this made to the finished quality and cutting edge of the blades. When we first compared them to conventional instruments, we were astounded. Better manufacture meant that we got a sharper and more precise cutting edge that lasts for longer. I found that tricky dental procedures became much easier and simple procedures became much faster.

We still manufacture this product entirely in the UK, (including the packaging!) so that we can maintain this level of quality. Dentanomic instruments are now sold to many vets around the world. I have my own set too that travels with me so that I never have to struggle with bad kit again!

Dr Ivan Crotaz MRCVS
Bonovate Ltd Director



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Dentanomic dental surgery at the sharp end

Dental extractions are one of the commonest surgical procedures that we undertake in veterinary practice. We all know that dental surgery is easier and faster if sharp, undamaged instruments are used – we use a fresh scalpel blade for each surgery, after all.

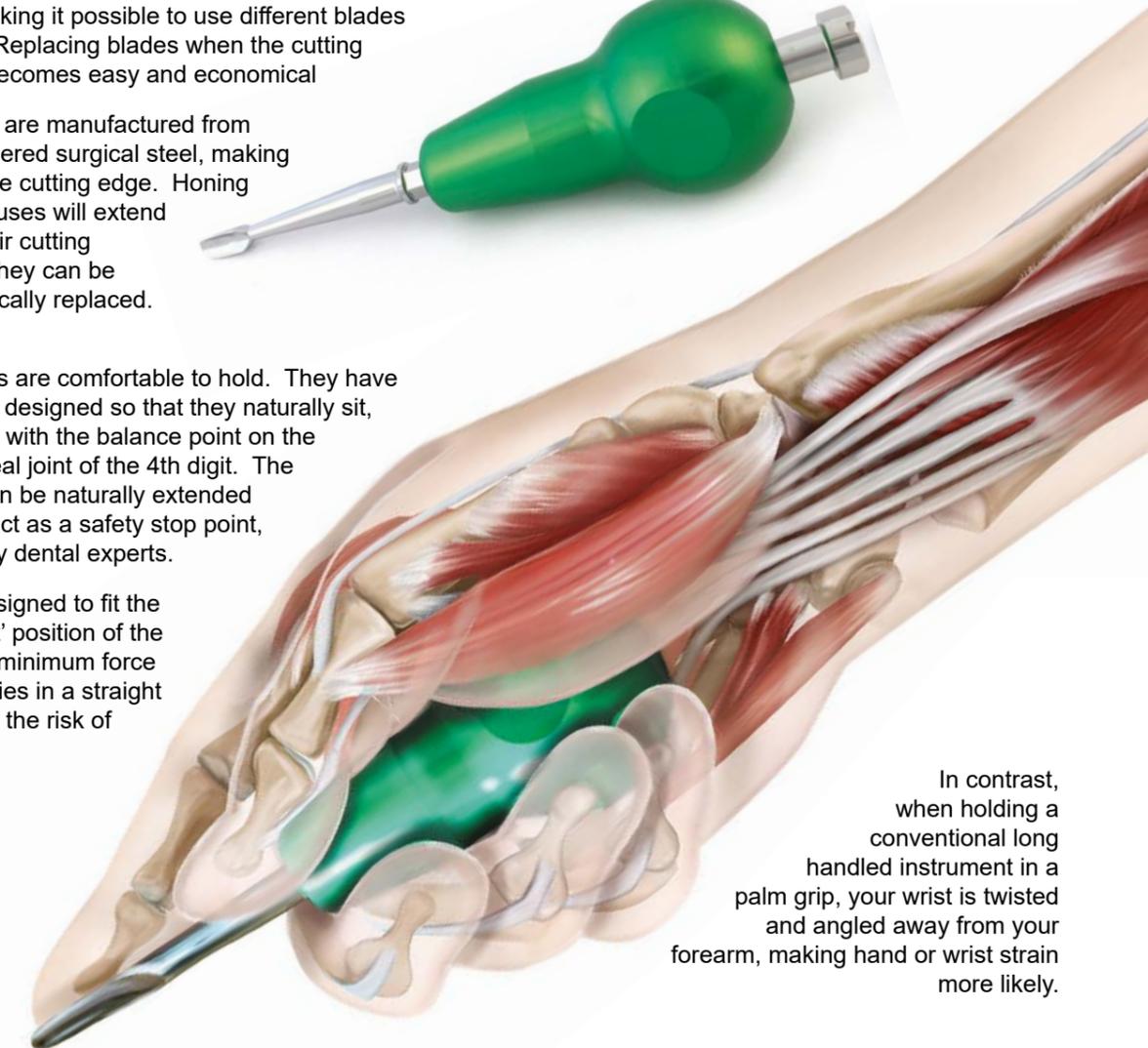
Dentanomic instruments are revolutionary surgical dental extraction instruments with a modular blade that can be easily removed and replaced.

Years of design and testing in the UK have gone into making a blade that will lock into the handle to give the solidity and assurance of a one piece dental instrument. But with a Dentanomic instrument, the blades can be easily removed, making it possible to use different blades with each handle. Replacing blades when the cutting edge is damaged becomes easy and economical

Dentanomic blades are manufactured from hardened and tempered surgical steel, making a strong and durable cutting edge. Honing the blade between uses will extend their life. When their cutting edge is damaged, they can be easily and economically replaced.

Dentanomic handles are comfortable to hold. They have been ergonomically designed so that they naturally sit, cupped in the palm, with the balance point on the metacarpophalangeal joint of the 4th digit. The index finger can then be naturally extended along the blade to act as a safety stop point, as recommended by dental experts.

Our handles are designed to fit the natural relaxed 'rest' position of the fingers and require minimum force to hold. Your wrist lies in a straight position, minimising the risk of strain injuries.



In contrast, when holding a conventional long handled instrument in a palm grip, your wrist is twisted and angled away from your forearm, making hand or wrist strain more likely.

Dentanomic blades

Our blades come in two types – elevation blades and luxation blades, to suit the two different extraction techniques. These techniques are often used in combination in the same patient.



Elevation technique

Elevating a tooth involves the placement of a tool between the tooth and adjacent bone. The tool is then gently rotated and held in position – this stretches the periodontal ligament and compresses adjacent bone, loosening the tooth. Elevation blades have a smooth, curved edge in order to work without slipping and have flatter angled cutting edges for strength.

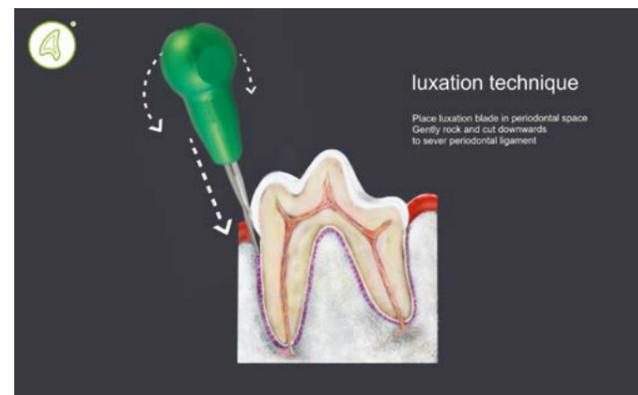
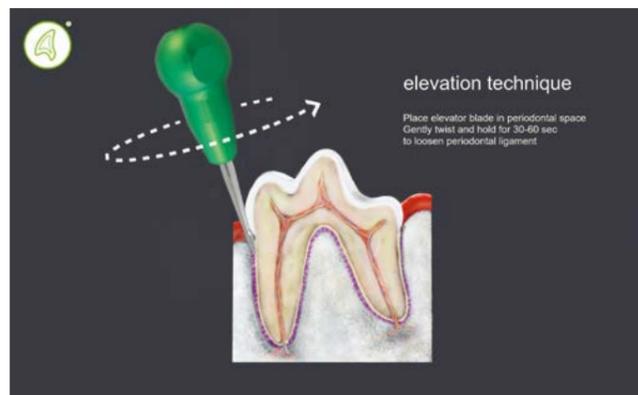
Elevation technique is best used on robust, thicker tooth roots, such as a dog canine tooth.



Luxation technique

Luxating a tooth involves the placement of a tool into the periodontal space between the root and tooth socket. The tool is rocked and rotated to cut the periodontal ligament and loosen the tooth. Luxation technique is less damaging to oral tissues but requires more precise technique. Luxation blades have a very thin, double edged blade to cut the periodontal ligament.

Luxation technique is best used on longer, thinner, more fragile tooth roots, such as a cat premolar root.



Handles

Our handles come in three colours – all the handles fit all of the blades. The colours allow you to customise your instrument sets, in the way that you want to. We made them this way simply because we like the colours and we hope that you do too!



Basic care guide

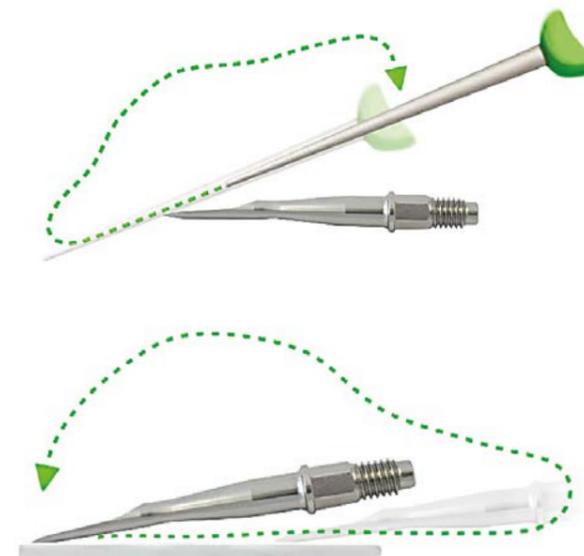
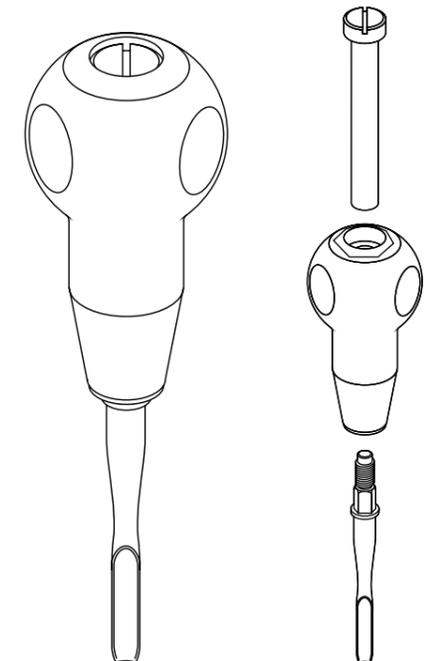
<https://n2-uk.com/product-category/dentanomic/>

- Disassemble instruments before cleaning. Clean using neutral detergents or enzymatic cleaning solutions. Separate blades and handles to avoid damaging handle surface finish.
- Gently hone the blades after each use, to realign the surgical edges: Matching the angle to the cutting edge of the blade, gently slide the honing tool forwards to realign the blade edge

Dentanomic blades are tough, but will not last for ever – a program of maintenance and replacement when needed makes for easier, safer and faster dental surgery. Replace your blades when the edge is dulled or damaged.

- Polish blades and handles after cleaning to remove any deposits.
- Sterilise handles and blades when disassembled, in an autoclave. This prevents cross contamination.
- Disassembled Dentanomic handles and blades should be stored dry, in an autoclave pouch between uses.

Do not use strong acidic or alkaline solutions to clean your Dentanomic instruments as these may damage the metal.



“Having sharp dental instruments is essential for effective tooth removal. In my experience it is unfortunately very uncommon for vets in practice to perform regular instrument sharpening to maintain their instruments. These instruments are sharp from initial use, with a very good blade design that helps maintain their edge. Then, once the blade is beyond its useful life, the blade can simply be replaced without having to replace the whole instrument. A good range of sizes and really comfortable to use.”

Matthew Oxford BVM&S GPCert(SAS) MRCVS
New Forest Veterinary Dental Services Limited

Referral Veterinary Dentistry and Oral Surgery with clinics at:

- Lumbry Park Veterinary Specialists in Alton - Multidiscipline Referral Hospital with advanced imaging
- South Devon Referral in Newton Abbott - Multidiscipline Referral Hospital with advanced imaging
- Stone Lion Veterinary Hospital in Wimbledon
- Priory Veterinary Hospital in Christchurch

Handles

| Order Code | Description | RRP |
|------------|-------------------------------------|--------|
| DN-HD-GN | Dentanomic Ergonomic Handle - Green | £80.00 |
| DN-HD-PK | Dentanomic Ergonomic Handle - Pink | £80.00 |
| DN-HD-BL | Dentanomic Ergonomic Handle - Blue | £80.00 |



Luxation Tips

| Order Code | Description | RRP |
|------------|---|--------|
| DN-LX-15 | Dentanomic Semi-Disposable Luxation Tip - 1.5mm | £27.00 |
| DN-LX-20 | Dentanomic Semi-Disposable Luxation Tip - 2.0mm | £27.00 |
| DN-LX-30 | Dentanomic Semi-Disposable Luxation Tip - 3.0mm | £27.00 |
| DN-LX-40 | Dentanomic Semi-Disposable Luxation Tip - 4.0mm | £27.00 |
| DN-LX-50 | Dentanomic Semi-Disposable Luxation Tip - 5.0mm | £27.00 |



Winged Elevator Tips

| Order Code | Description | RRP |
|------------|--|--------|
| DN-WE-20 | Dentanomic Semi-Disposable Winged Elevator Tip - 2.0mm | £27.00 |
| DN-WE-30 | Dentanomic Semi-Disposable Winged Elevator Tip - 3.0mm | £27.00 |
| DN-WE-40 | Dentanomic Semi-Disposable Winged Elevator Tip - 4.0mm | £27.00 |
| DN-WE-50 | Dentanomic Semi-Disposable Winged Elevator Tip - 5.0mm | £27.00 |



Set

| Order Code | Description | RRP |
|------------|--|---------|
| DN-SET-5 | Dentanomic Set, One Handle and any five tips | £200.00 |

Based on recommendations from experts we also offer the following kits

Very useful for difficult premolar roots

| Order Code | Description | RRP |
|------------|---|---------|
| DN-CAT-SET | 2mm, 3mm Elevation blade, 2mm Luxation blade and 1 handle | £150.00 |

Useful for thin premolar roots and accessing rostral carnassial roots

| Order Code | Description | RRP |
|------------|---|---------|
| DN-DOG-SET | 3mm, 4mm Elevation blade, 3mm Luxation blade and 1 handle | £150.00 |

One of every tip and handle in storage boxes

| Order Code | Description | RRP |
|------------|---------------------------------------|---------|
| DN-FUL-SET | 9 Tips and 3 Handles in Storage Boxes | £600.00 |

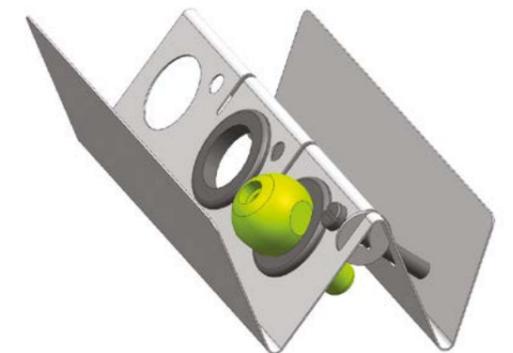
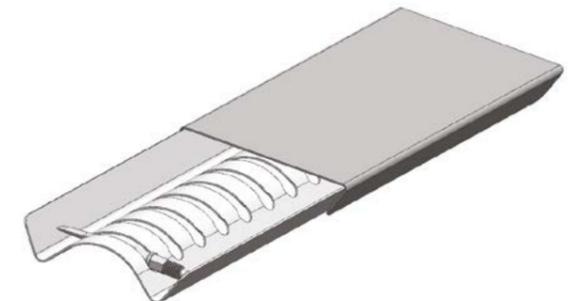
Sterilisable Boxes

| Order Code | Description | RRP |
|------------|----------------|--------|
| DN-BL-BOX | Holds 9 blades | £70.00 |

| Order Code | Description | RRP |
|------------|-----------------------------------|--------|
| DN-KIT-BOX | Holds 3 handles in component form | £80.00 |

A useful sharpening device to keep your tips sharp and in good working order.

| Order Code | Description | RRP |
|-------------|--|--------|
| DI-SHP-CONE | Diamond Sharpening Cone with Fold Back Handles | £45.00 |





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www.n2-uk.com



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