

Ti·Max Z Z900L
Turbine Handpiece



- 94° angled head for easier access
- Lightweight titanium body**
- Scratch-resistant DURAGRIP coating
- Compatible with W&H®, KaVo®, Sirona® & BienAir® couplings

Ti·Max Z Z95L
Contra-angle Handpiece



- Head Ø8.9mm, H13.4mm & 8mm neck
- Lightweight titanium body**
- Scratch-resistant DURAGRIP coating

Prophy-Mate neo Air
Polisher



- Compact and lightweight
- Includes 60° and 80° nozzles
- 360° rotation
- Compatible with W&H®, KaVo®, Sirona® & BienAir® couplings

iClave plus Outstanding
Decontamination



- 50% more sterilisation space than a conventional stainless steel chamber of the same size

**Only external body component is titanium



NSK UK Ltd www.nsk-uk.com 0800 6341909

TURBINES

Ti-Max Z

- 94° angled head for easier access
- Lightweight titanium body**
- Scratch-resistant DURAGRIP coating
- 4 hole spray
- 2 head sizes - standard and miniature
- Compatible with NSK, KaVo®, Sirona®, Bien-Air® and W&H® couplings

RRP £1048



**Buy 2
get extra
1 FREE***

**Buy a Ti-Max X
or S-Max M
instrument get
an NAC-EC polishing
contra-angle free
with every old turbine
or contra-angle you
trade in!**



"I use a range of NSK handpieces, and in particular the NSK Z900L air turbine. The LED optics are exceptional and the Z900L takes my restorative work to a new level as it delivers a powerful and responsive performance and best of all, it is unbelievably quiet, which my patients love. I would definitely find it difficult to work without it!"

Alina Sheikh BDS, Principal Dentist at Enhance Dental Care, East Kilbride
www.enhancedentalek.co.uk


**Only external body component is titanium



"The Ti-Max Z900L takes my restorative work to a new level as it delivers a powerful and responsive performance and best of all, it is unbelievably quiet, which my patients love."

Alina Sheikh, Principal Dentist at Enhance Dental Care, East Kilbride, Scotland
www.enhancedentalek.co.uk

S-Max M

- Stainless steel body
- 4 hole spray
- 2 head sizes - standard and miniature
- Optic turbines available for NSK, KaVo®, Sirona®, Bien-Air® and W&H®
- Non-optic turbines for NSK, KaVo® and W&H®
- 'Self-service' cartridge 



Optic
RRP £690

Non-Optic
RRP £643

**Buy 3
non-optic
S-Max turbines
for £999.00
+Vat***

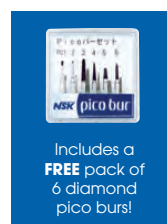
**Buy 3 optic
turbines get
1 FREE***

S-Max pico

- Ultra mini head and slim body
- Ideal for minimally invasive (MI) procedures
- Requires short-shank burs
- Models available for NSK, KaVo®, Sirona®, W&H® and Bien-Air® connections



RRP £931



**The world's smallest
turbine head**

pico-head
Head-Ø: 8.6mm
Head height: 9.0mm



*Terms and conditions apply. Offers only available through participating dealers.

Minimal Intervention Aesthetic Restorative Dentistry

Demanding but worthwhile

Introduction

Minimal Intervention, MI for short, is one of those buzz phrases in dentistry that rather like the word “nano” has been applied to just about everything. There is little doubt that the MI approach, when applied to dental caries, can provide a practical long-term solution that combines prevention and restoration with the objective of removing carious damage in the least invasive manner. MI when applied to tooth wear can mean that those cases that once required a full mouth rehabilitation can often be readily managed with the addition of direct composite restorations using the “Dahl Concept”. With the MI approach applied to full coverage crowns, I find that they are rarely indicated, with the use of adhesive e.max or Lava onlay restorations being far less invasive, highly aesthetic and durable. However, these newer techniques and procedures can be demanding and technique-sensitive when compared with traditional amalgams and cast restorations. With these demands comes the need for education and equipment, more about that later.

“The Daughter Test”

When treatment planning aesthetic dentistry, the idea of doing no harm should be uppermost in our minds. There is no doubt that ceramic veneers have a place in the toolbox of the cosmetic dentist, but I have seen many cases where they have been oversubscribed and I wonder whether the dentist would have provided a different solution to a member of their family, the so called “daughter test” coined by Martin Kelleher. Whenever I teach aesthetic dentistry I make it clear that we need all the tools in the box, whether that be whitening, recontouring, bonding, orthodontic movement, etc. I feel that we have a duty to truly understand all these techniques and firstly offer the most minimal approach. Of course it is fundamental to try and understand our patients expectations, and to meet this may require more extensive intervention. Although it might be true that Ceramic lasts longer than Composite I would rather my restoration failed than the tooth, and I am sure if you put it in those words to your patients then they would think the same.

Advances in materials, equipment & training

With MI techniques there is a need for a change in our thought processes and treatment planning. Dentistry has changed a lot since I graduated

some 20 years ago, techniques and materials have moved on. While progress has improved clinical outcomes and aesthetics, the downside particularly with adhesive dentistry, is that attention to detail is a must! I am involved in delivering a great deal of postgraduate education and it good to see so many dentists committed to this. Another requirement is also to invest in the right equipment, some of the tools that I frequently use are:

Loupes

I wear loupes for virtually every procedure, about the only time I don't use them is for denture work. I now routinely use 4.8x loupes and light source, this gives me excellent vision to be able to diagnose and treat my patients to a consistently high standard. I strongly believe that the routine use of loupes improves both the vision and the posture of the clinician. Even a tiny gap with a matrix band at the base of a Class II box can lead to fluid leakage and the premature failure of a restoration. The ability to see the smallest of details has never been so important. There is no doubt that magnification has become more popular as clinical techniques have become more demanding.

The 1:5 speed increasing handpiece

The speed increasing handpiece (figure 1), looks similar to a slow hand piece but is powered by an electric motor, with water spray. The 1:5 gearing, means that the 40,000RPM produced by the motor produces 200,000RPM from the handpiece, which is more akin to the high-speed turbine. The key difference though is the incredible torque and precision compared to even the best high-speeds. The control is fantastic for producing very smooth accurate margins for both veneer, onlay and crown preparations.

Use of sonic instrumentation

Diamond coated tips may be used with certain scaler units such as the Sonic Scaler and the Varios (figure 2). This takes the level of tooth refinement to another level; the combination of magnification and sonic instrumentation is excellent for producing precise margins. With the use of different tips it is also possible to instrument small cavities and produce interproximal bevelling for Class II composites with ease.

Figure 1



Figure 2



Figure 3



Figure 4



Use of novel handpieces such as the T-Max 45L and the S-Max pico

There are times when access to prepare teeth at the back of the mouth can be difficult due to lack of space. This problem with access can lead to frustration for the dentist and patient, creating problems with visibility and lead to inaccurate and over-preparation of the tooth. In difficult situations such as this, I reach for either for an extremely small-headed handpiece (figure 3) or a speed increasing with a novel angulation, which can greatly improve access around the molar teeth (figure 4).

Summary

As Bob Dylan sang, the times they are a-changin', and this is certainly true in dentistry. Changes in techniques and treatment philosophies require practitioners to educate themselves and their team. Dentists should investigate how they might integrate the latest materials and equipment into their practice.

Dr Ian Cline
Course Director Cosmetic
Dental Seminars, and GDP
Private Practice
Central London



Ian qualified in 1993 from King's College, London University, and gained his diploma in General Dental Practice from the Royal College of Surgeons in 1996.

He has been a tutor, mentor and lecturer at the Central London PGE Study Group, based at University College Hospital, for several years. He is the immediate Past President of the London Dental Study Club, www.londondentalstudyclub.com, and is a former Chairman of the Metropolitan Branch of the Young BDA.

His principal dental interests are in Minimal Intervention Cosmetic Dentistry, the Management of Worn teeth, and the use of invisible Orthodontics in Adults (Clear Braces and Inside/Hidden Braces).

TURBINES

Pana-Max2



- Save time and money - DIY cartridge change
- Enhanced power and endurance compared to previous models^{††}
- Slimline, scratch-resistant stainless steel body

B2 & M4: RRP £352.90



††30% more power

Buy 2 get 1 FREE or buy a Pana-Max get an FX25m FREE*

Pana-Max2 features a reinforced head with NSK bumper technology for added longevity and protection of the cartridge



Pana-Max2 PTL/KV



- Save time and money - DIY cartridge change
- Enhanced power and endurance compared to previous models^{††}
- Slimline, scratch-resistant stainless steel body

PTL & KaVo®: RRP £418.40



Buy 2 get 1 FREE or buy a Pana-Max get an FX25m FREE*

Ti-Max X450L



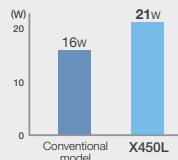
- Titanium body with scratch-resistant DURACOAT
- 45-degree angled head
- Cellular glass optics • Triple water jet

RRP £931



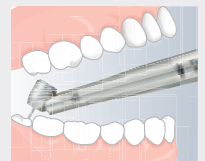
21W of Cutting Power

NSK's original twin-nozzle head fully transmits the power of the air turbine to the X450's rotor, generating the high torque needed for powerful, consistent cutting.



Superior Accessibility

The 45-degree angled head offers excellent accessibility and visibility during root separation procedures and the removal of hard tissue covering impacted third molars.



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Minimally Invasive Dentistry & Ergonomics

Specialist in Endodontics, Dr Asim Ayub, discusses the benefits of using high quality equipment.



"Endodontic therapy has been a successful part of dentistry since the beginning of the 20th century, with success rates of up to 95% documented. As endodontic techniques and materials have improved, more dentists are routinely performing endodontic therapy as part of their day-to-day procedures. However, even with this growing popularity, endodontic therapy can still be challenging and using reliable equipment and materials are vital to achieving excellent success rates.

As a Specialist Endodontist, most of my patients are referred by general practitioners and it is imperative we offer treatments to the highest standards. I routinely offer minimally invasive access cavities where possible, as the more tooth structure that can be maintained the better long-term prognosis of the tooth. In order to facilitate the preservation of tooth structure, we need tools that are smaller and that offer better visibility.

As a specialist, I often get questions from colleagues about specific materials and techniques. I think it's our formal schooling process that drives us toward laundry lists and I rarely make brand specific recommendations unless it's something I believe makes a real difference towards the delivery of care. However, for endodontic work in particular I find the NSK S-Max pico with its miniature head really useful for making small access cavities in a very short space of time. The NSK S-Max pico is a fantastic example of modern micro engineering that features an extremely small neck and head size ensuring wider visibility and a more comfortable operation, which is perfect when working at the back of the mouth: particularly in patients with limited mouth-opening.

I compare my handpieces to fountain pens; heavy pens are considered a sign of quality, but if you use one to write a long essay your hand will fatigue very quickly. Wherever possible, I like to work with lightweight titanium handpieces that are well-balanced and reduce the likelihood of RSI, which is a common occupational hazard for dentists. I have an extensive range of NSK handpieces

"The NSK S-Max pico is a fantastic example of modern micro engineering that features an extremely small neck and head size ensuring wider visibility and a more comfortable operation, which is perfect when working at the back of the mouth: particularly in patients with limited mouth-opening."

and I have always found them to be very well-designed, lightweight and highly reliable. Additionally, as I work with a microscope and fixed LED light I like the fact that the handpieces have a matt coating and don't reflect the light, which can be very distracting. Many of the NSK handpieces I now use have built-in LED, which is a big plus when performing delicate endodontic treatments - every little bit of light helps!

Often I need a motor to perform surgical procedures and a very elegant solution is the NSK Ti-Max X450. The use of a standard air turbine in a surgical operating field runs the risk of a surgical air emphysema; although many dentists do seem to get away with using high-speed turbines in surgical situations, the NSK Ti-Max X450 turbine is a far safer alternative as it causes the air, which is usually pushed down towards the tissues, to flow in reverse towards the operators hands, making it safe to use in the surgical zone. The handpiece is light and offers minimal vibration at full speed. Its angled head makes access to the posterior area of the mouth easy, and the fibre optic illumination really helps in difficult surgical situations - the Ti-Max X450 is a real joy to use!

Ultimately, modern endodontics is all about conservation of tooth structure and to do this we need excellent tools that offer reliable service - the teeth harmed the least tend to last the longest!"

Dr Asim Ayub
BDS MFDS RCS MClInDent MRD RCS
Specialist in Endodontics

Dr Ayub had extensive experience in both general and hospital dentistry prior to embarking on specialist training in Endodontics. Since qualifying from King's College London in 1995 he gained a wealth of hospital experience in Oral & Maxillofacial Surgery, Restorative Dentistry and Endodontics. During this time he was awarded Membership of the Faculty of Dental Surgery from the Royal College of Surgeons of England. He also spent many years working in private general practice interspersed with his time at the hospitals.

He gained his Masters degree in Endodontology from the Eastman Dental Institute, UCL in 2004 and was awarded the Membership of Restorative Dentistry from the Royal College of Surgeons of England in 2005. Upon completion of this formal specialist training, he entered the General Dental Council's Specialist List for Endodontics. Dr Ayub lectures on Endodontics to General Dental Practitioners and is also a Clinical Teacher at King's College Hospital.

Dr Ayub's practice, Ayub Endodontics, is based in Wimbledon and easily accessible to most of the south east of England. However, he takes referrals not only from the London area, but nationally and internationally: as far afield as Dubai and Australia. See www.ayub-endo.co.uk for more information.

To discover more about the NSK product range or to request a 10-day free equipment trial contact NSK on 0800 634 1909 or your preferred dental supplier

CONTRA-ANGLES

Speed Increasing Contra-angles

Ti·Max Z

MODEL Z95L
Optic contra-angle
1:5 Increasing
Quattro spray
Ceramic ball-bearings
REF C1034001

RRP £1,370



Ti·Max Z

MODEL Z85L
Optic titanium contra-angle
1:5 Increasing
Single spray
Ceramic ball-bearings
REF C1062001

RRP £1,370



Ti·Max Z

MODEL Z84L
Optic titanium contra-angle
1:4.5 Increasing
Quattro spray
Ceramic ball-bearings
REF C1135001

RRP £1,370



Ti·Max Z

MODEL Z45L
Optic titanium contra-angle
1:4.2 Increasing
Two-way spray function
Ceramic ball-bearings
REF C1064001

RRP £1,370



nano

MODEL nano95LS
Optic titanium contra-angle
Smaller than conventional
contra-angle
1:5 Increasing
Quattro spray
REF C1099001

RRP £1,370



Ti·Max X

MODEL X95L
Optic titanium contra-angle
Smaller than conventional
contra-angle
1:5 Increasing
Quattro spray
REF C600001

RRP £1,124



S·Max M

MODEL M95L/M95
1:5 Increasing
Quattro spray
Ceramic ball-bearings
OPTIC
C1023001

RRP £929

NON-OPTIC
C1026001

RRP £734



Buy 3 Z95L/
nano95LS series
instruments
get NLXnano
built-in kit FREE*

BUILT-IN

Multi Pad Upgrading couldn't be easier!

- 1,000 – 40,000min⁻¹ when partnered with NLXnano
- Powerful 3.4Ncm torque
- Endo controls for auto-reverse on/off and auto-stop
- Controls all functions of Varios 170 ultrasonic scaler

MODEL MultiPad
with NLXnano LED

RRP £1,914

MODEL MultiPad with NLXnano
LED & Varios 170 LED

RRP £3,185

MODEL MultiPad
with NLX Plus LED (Endo)

RRP £2,479

MODEL MultiPad with NLX Plus
LED (Endo) & Varios 170 LED

RRP £3,749

NSK NLX micromotors
are available on A-dec
and Belmont equipment



Confidence to deliver

Why choose a speed increasing handpiece

Neel Jaiswal is an experienced restorative dentist, heading up a multi-disciplinary team at his practice Neel Dentistry, based in Welwyn, Hertfordshire. The methodology of the practice is to build rapport, plan treatment and coordinate the patient management with the team, who then manage the necessary orthodontics, periodontics, endodontics and implant treatment. The team believes that treatment planning for life is key. With the ultimate aim to help patients keep their teeth for life, only the very best in dental equipment, especially handpieces, will do. This equipment has to satisfy performance, value, and ergonomics and must be backed up by excellent service and support.

Neel has long been an advocate of NSK products and has developed a close working relationship with their team. Having used a range of NSK products in the past, when it came to opening his own practice over three years ago, he looked to NSK for support.

Neel said: "When the practice was being setup I had a micromotor and speed-increasing handpiece built in. The handpiece I have is the NSK Ti-Max Z95L, it's the latest high-speed (1:5 increasing) contra-angle, which offers improved visibility through the reduction of head and neck size and benefits from a lightweight titanium body*. The handpiece is exceptionally durable with minimal noise output, which my patients really appreciate, and I find that although I have turbines, I don't use them and I much prefer my speed increasing handpiece as it offers so many advantages in terms of delivering high quality work"

"I find the Ti-Max Z95L operates with very little vibration and delivers a level of control not replicable with a turbine. It has a very small head and neck which can be very useful in tight spaces as you can see what you're doing more easily."

Neel goes on to comment: "We do a lot of microscope and close magnification work in the practice and I find the Ti-Max Z95L operates with very little vibration and delivers a level of control not replicable with a turbine. Additionally, the Ti-Max Z95L has a very small head and neck, which can be very useful in tight spaces and when trying to deliver very fine work, as you can see what you're doing more easily."

"I have also recently purchased an NSK Ti-Max Z45L 1:4.2 speed increasing contra-angle with a 45 head. This handpiece really compliments my Ti-Max Z95L and is very useful where space is tight, getting me out of tricky situations several times a week".

The NSK electric micro-motors can be fully integrated into the delivery system of most dental treatment units, however when integration is not an option, they can easily be added in the form of a stand-alone table top unit connected to the delivery system and integrated with existing controls.

NSK never stops reviewing, developing and improving its products and an important aspect of this process is listening to practitioner feedback so NSK can ensure its products meet the needs of the professionals who use them. Alex Breitenbach, Managing Director, NSK UK Ltd said: "When it comes to high speed instruments, we are currently at the point where we've got the most powerful instruments in the market. We recently launched the NSK Ti-Max Z900L, the World's most powerful turbine** and NSK Ti-Max Z95L, high-speed (1:5 increasing) contra-angle which received a 5 Star review in a recent Dental Advisor clinical evaluation, and we are working hard in other specialties to make sure the products we deliver to the market are exceptional quality, whilst maintaining value for money."

Equipment Rental†

Neel took advantage of the NSK rental scheme when selecting the Ti-Max Z95L as his handpiece of choice and comments: "Renting equipment from NSK makes complete sense, I can utilise the very latest handpiece with the peace of mind that it comes from a highly reliable source and breakdown and service cover are built in to the agreement for a small fixed monthly fee."

Care and maintenance

Service is everything these days and NSK employ some of the most experienced sales and support staff any dental company has to offer. Neel comments: "The professionalism of the NSK sales and support staff makes the difference, all the staff are very knowledgeable, well-trained and willing to go the extra mile. They treat me as an investor in their products and as a person, not a sale. They were happy to come to my practice to train my staff in how best to maintain my handpieces. Even better was the training qualified them for CPD which was fantastic."

NSK has built a solid reputation for quality products, which are recognised globally as some of the best and most innovative across the industry. Alex Breitenbach, who has worked in the industry for more than 20 years, explains more: "We started in the UK in 2007 with three staff, we now have 18, and we are the premier rotary instrument supplier in the United Kingdom. The key to our success in the UK has been the quality of our products, our people and the trust we have gained from our customers. Our team of highly qualified Product Specialists, most of which have nursing or hygiene qualifications



are always on hand to offer advice and training or support at educational events. We also have a UK-based service and repair operation, manned by highly experienced engineers and we continuously work to improve product awareness, sales and support for the practices we work with."

Try before you buy

Alex continues: "One of our most successful sales initiatives has been the no obligation 10-day 'try-before-you-buy' scheme. A selection of NSK's most popular products are available on the scheme and I would highly recommend it, as it provides an excellent opportunity to try a new piece of equipment before committing to rental or purchase."

For NSK the future is not only about continuing to improve its equipment, but the commitment to giving the best service and support to the industry.

Neel added: "It is very important in these days of litigation and compliance to use equipment that meets all the necessary safety standards. For those aiming for efficiency and excellence should look to manufacturers who provide an all round package of guaranteed quality products and who can offer outstanding sales and aftercare support".

**Neel Jaiswal, Dentist
BDS MFGDP
Neel Dentistry
www.neeldentistry.com**



- Graduated from Birmingham University Dental Hospital in 1996
- OMFS SHO at Lincoln Hospital 1999
- Dental officer Sydney, Australia 2000
- Certificate in Surgical Implantology at the Eastman Dental Institute
- Certificate in Facial Aesthetics at the Royal College of Surgeons
- Vocational Trainer 2006
- Study club facilitator
- Pankey Institute study club member
- Spear Institute faculty club member 2013
- ITI study club member

Neel Dentistry provides the perfect opportunity for Neel to demonstrate his professionalism and determination to provide patients with the best possible dental care and results.

†Business use only, subject to status. Rental is arranged through NSK's finance partners Showbird Finance Ltd.
*Only external body component is titanium. ** Only Z900L. Power output measured by NSK internal research department.

CONTRA-ANGLES

Ti-Max Z



- Lightweight titanium body**
- Smaller head Ø8.9mm, H13.4mm and slimmer 8mm neck
- Scratch-resistant DURAGRIP coating

Ti-Max Z95L: RRP £1,370
 Ti-Max Z84L: RRP £1,370
 Ti-Max Z45L: RRP £1,370
 Ti-Max Z25L: RRP £1,140



**Only external body component is titanium

Ti-Max X



- Titanium body** 30% lighter than stainless steel
- Scratchproof DURACOAT® surface
- Cellular glass optics
- Ceramic bearings

Ti-Max X95L: RRP £1,124
 Ti-Max X25L: RRP £912
 Ti-Max X15L: RRP £987
 Ti-Max X65L: RRP £845



**Only external body component is titanium

S-Max M



- Powerful cutting and superb grip
- Stainless steel body
- Resistant to scratching

Optic
 S-Max M95L: RRP £929
 S-Max M25L: RRP £752
 S-Max M15L: RRP £880

Non-optic
 S-Max M95: RRP £734
 S-Max M25: RRP £494
 S-Max M15: RRP £587
 S-Max M65: RRP £460



*Terms and conditions apply.
 Offers only available through participating dealers.



To Rent or Buy...?

Arun Mehra FCA from Samera Chartered Accountants discusses the advantages of equipment rental

We are a nation of owners and possessors. The two most popular topics of conversation in the UK have to be the weather and property values.

In mainland Europe, most people rent their homes; quite happily and only become 'owners' when left a house by a family member. It's a cultural thing and nothing wrong in that.

Owning a home or any property, as we tend to do in the UK, makes perfect sense. They generally grow in value, as long as we maintain them properly and we are building a 'nest egg' for the future or to pass on to our children.

Cars are the other things we in the UK tend to like to own. Personally, I don't want to own a car. I need one for my job. Therefore, to me, it is simply a tool of my trade. I have to get to see my customers and a car makes that journey easier.

My last car was German built and came at a retail price of just over £42,000 – a huge amount of money.

I paid no deposit and leased the car over 3 years at a 'rental' of £550 per month. At the end of the three-year period I had paid out £19,800 – Less than half the retail price. Plus; the actual 'book' value of the car at the end of the three years was only £12,000.00!

So, had I bought it outright at the beginning, it would have cost me £30,000 to 'own' that car – leasing it saved me over £10,000.

Dental equipment and handpieces are a necessary purchase for any dental practice. But as with cars, they lose value over their lifetime, so why try to 'own' them?

Here are some of the advantages of leasing or renting equipment for your practice:

Cash flow

In any business, having enough cash is vital. By leasing, or renting equipment, you are easing your cash flow.

Tax

The exact way the tax is treated on equipment you choose to finance will depend on the structure of the lease or hire purchase agreement, but in almost every case, the payments, the interest and the VAT can be offset against tax – always speak to your accountant before signing up.

Keeping up-to-date

By leasing equipment over three or five years, you will always be in a position to step up to the latest innovations. As soon as you have finished one lease, you can easily upgrade to the latest piece of kit and not have to layout large amounts of cash. Just like I have done with my new car. The old one was due for it's MOT so I handed it back and got a new one which came with a three year warranty and at a much lower monthly cost!

Peace-of-mind

Many suppliers build in care, maintenance

and warranty packages with equipment rental schemes. This means you have worry-free use of the equipment and the assurance that if it does go wrong it will be repaired or replaced at no extra cost to you.

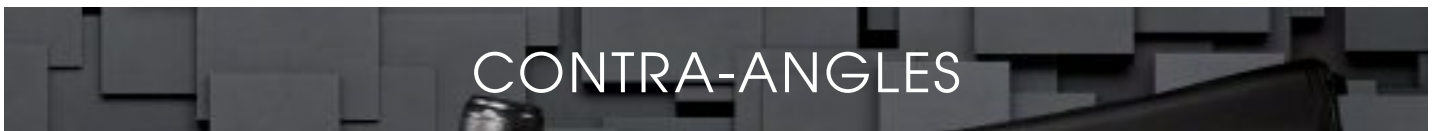
Assets

The simple fact is, the only thing a business should really ever aspire to own is property. Property appreciates in value; equipment and cars depreciate, quickly!

Equipment is not an asset you need to own; you just need it to work for you, day-after-day. Just like your staff.



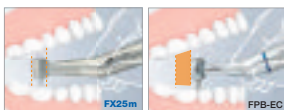
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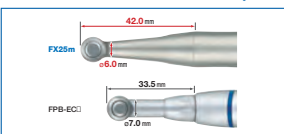
FX Series



- Longer neck for easy access
- Stainless steel body
- Thermo-disinfectable



Maximum accessibility



RRP £226



RRP £255



RRP £255



RRP £226

NAC-EC



RRP £133.70

*Terms and conditions apply. Offers only available through participating dealers.

MAINTENANCE



iCare+

HANDPIECE DECONTAMINATION UNIT

- Cleans, disinfects and lubricates handpieces
- Replaces oiling and thermo-disinfectant steps in decon cycle
- For up to 4 instruments
- 13 min cycle
- Complies with EN15883
- Size: H355 x W400 x D405mm

Includes FREE handpieces worth £4,081*

2x Ti-Max 2900L turbines, 1x 225L contra-angle and 1x X65L straight handpiece*



RRP £5,321

iCare

HANDPIECE OILING & MAINTENANCE UNIT

- Standardised lubrication of handpieces
- Long term savings on oil
- For up to 4 instruments
- Size: H350 x W280 x D240mm

RRP £2,208



Includes FREE handpieces worth £1,832*

2x S-Max M600L turbines, 1x FX25m contra-angle and 1x FX65m straight handpiece*

"We purchased an NSK iCare to ensure effective cleaning and lubrication of our handpieces prior to autoclaving. The iCare has proven to be invaluable, its easy to use and I am convinced it is prolonging the life of our handpieces."

Alison Hallisey, Managing Director and owner of Edgeley Dental Practice, Stockport

iClave mini + iCare £3,500*

AUTOCLAVES



iClave plus

- 50% more sterilisation space than a conventional stainless steel chamber of the same size
- Copper chamber minimises internal temperature fluctuations
- Super fast cycle as quick as 18 min, including drying
- Unit size: H428 x W445 x D532mm, chamber 18L

RRP £5,321

iClave HP



iClave HP + iCare £5,321*

- Full vacuum B-cycle in just 18 min
- Fast cycle as quick as 12 min
- Unit size: H254 x W443 x D545mm, chamber 4.5L

RRP £5,321

iClave mini



- Portable S-type autoclave weighing only 15.5kg
- 12 min cycle for up to 12 handpieces, or up to 6 wrapped for 30min
- Unit size: H360 x W210 x D320mm, chamber 2.5L

COMBO OFFER! Buy iCare+ C2 and iClave mini for only £5,250.00*

RRP £2,660



iClave

- Cost-effective: Copper chamber retains heat longer than stainless steel and the chamber design allows 20% more capacity
- Quick cycles: Vacuum cycle, or a fast cycle in less than 20 min, including drying
- Unit size: H428 x W443 x D652mm, chamber 18L

RRP £4,783

"The NSK iClave was recommended to us and we now have four in the practice - they've been great. We use the fast cycle a lot, as we are a big practice, and the large chamber allows us to autoclave up to four trays at a time. We would highly recommend the NSK iClave, it's excellent and very easy to use."

Liz Madden, Dental Nurse, Abbeyglebe Dental Practice, Donegal

*Terms and conditions apply. Offers only available through participating dealers. Additional warranties available from NSK UK on new products and NSK UK repairs.

Find out more about essential handpiece care and maintenance at www.nskcare.co.uk

iClave mini

COMBO OFFER!
Buy iCare+ C2
and iClave
mini for only
£5,250.00*



RRP £2,660

5 STAR DECONTAMINATION



In a recent 'in-practice' product trial¹ the new NSK iClave mini autoclave was awarded 5 stars by over 90% of users for the speed of its cycle - the iClave mini delivers up to 12 'dry' handpieces in less than 12 minutes! Additionally, over 95% of practices awarded the NSK iClave mini 5 stars for build quality and overall size, as it fits into a space approximately the size of an A4 piece of paper. This quick and efficient autoclave is the perfect solution for a busy practice.

"The NSK iClave mini is easy, quick and offers efficiency savings for handpiece processing".

**Jason Greenwood, BDS
The Stafford Dental Practice**

**Call us on 0800 6341909
to arrange a FREE 10-day
trial and experience the
iClave mini for yourself!**

*Data on file

Size does matter!

Lorraine McFadden, Senior Dental Nurse at Chorlton Private Dental Practice is delighted with the increased capacity of their new NSK iClave+ autoclave.

Fast instrument cleaning is vital in a busy practice, so quick cycles, a large chamber volume and low power consumption are key. But that's not all, as well as a fast turnaround it is essential to choose a highly effective autoclave that is kind to instruments, especially to prolonging the life of valuable handpieces and surgical equipment, and above all, is reliable.

Chorlton Private Dental Practice, Manchester performs a wide range of general, cosmetic and implant dentistry, resulting in multiple implant and surgical setups and instruments that need autoclaving all day, every day. A busy private practice, they cannot afford to be without a reliable autoclave, and Senior Dental Nurse Lorraine McFadden is delighted that Pauline Jones, NSK's Northern Product Specialist, suggested that they took a trial run in practice of the NSK iClave+.

Lorraine commented, "Pauline has been working closely with myself and our practice team for a long time and she has been a terrific help to us in improving our handpiece care and maintenance routine and making our whole decontamination cycle run more efficiently. Pauline was well aware of just how much in the way of instruments we have to process daily and that is why she recommended we took a trial run of the iClave+ in practice to see if we could benefit from its fast cycles and large chamber capacity. We have been so impressed with it we have decided to keep it - the iClave+ is brilliant!"

The iClave+ incorporates a copper chamber and differentiated heating, making cycles faster without the need for a steam generator and so increasing the iClave+'s reliability. It has an increased chamber volume that is 20% higher than comparable systems, and combined with fast cycles of less than 20 minutes can make a considerable difference to practice performance whilst saving time and money.

Combining a compact and elegant design with quick cycles and low power consumption, the iClave+ is very easy to use. Equipped with a powerful vacuum pump enabling total air expulsion, the iClave+

makes it possible to reliably sterilise any kind of material, including the internal surfaces of handpieces. Moreover, the pump generates forced ventilation and perfect drying. The iClave+ delivers hospital standard sterilisation and can perform the Bowie & Dick and Helix tests as specified in HTM 01-05.

As well as the iClave+, Chorlton Private Dental Practice uses a range of NSK products, including a variety of NSK handpieces. The key to prolonging the life of handpieces are correct cleaning and maintenance and to ensure strict compliance and quality control, it is essential for all dental practices to use proven and reliable care and maintenance systems.

"With our other autoclave we have to go through up to 4 cycles before we can get all our implant and surgical instruments through. With the iClave+ we can get everything all in one. It's used all day, every day and I have to say it has really made our lives a lot easier. It's fast, easy to use and the large chamber means we can process many more instruments at a time. We can't find anything not to like about it and overall we have been really impressed."

The first option for correct handpiece maintenance is manual lubrication in the form of an aerosol spray, such as NSK's PANA SPRAY Plus, a specially formulated and highly effective handpiece and air motor lubricant designed to be quick and easy to use for all major instrument brands.

The second and preferred option is automated cleaning. NSK offer a selection of automatic cleaning units including the new NSK iCare+ and iCare. The iCare+ is a fast system that effectively cleans, disinfects and lubricates up to four instruments at a time without the need to use a washer-disinfector. The NSK iCare is designed to clean and lubricate the mechanical internal parts prior to autoclaving to ensure prolonged life of all valuable handpieces.

Prolonging the life of your handpieces

Today's busy dental practices face a serious challenge; to maintain or increase productivity while ensuring that patient safety remains a top priority. At times, these may seem like incompatible goals. Advances in dental processing equipment, however, have empowered practices to develop safer processes while realising efficiencies and ultimately, saving money.

Despite advances in safer and more robust processes, it's clear that handpieces will only last if they are cared for and maintained in an appropriate way and according to individual specifications. The key to prolonging the life of handpieces is to work towards correct and regular maintenance and cleaning, and to keep up with strict compliance and quality control, it's essential for all dental practices to use proven and reliable care and maintenance systems.

Effective maintenance

When it comes to handpiece maintenance and cleaning, there are two principle options available. The first is straightforward manual cleaning using a spray cleaner and lubricant, which if properly applied, can adequately maintain handpieces in a good operating condition. However, the problem with modern dental handpieces is that within their construction there are a number of features that are difficult to access, making it almost impossible to sufficiently remove all deposits and residues. Manual cleaning is also time-consuming and insufficient cleaning ultimately leads to damage of the instruments and for this reason most experts advise mechanical washing equipment.

The second and preferred option is an automatic cleaning system compliant with EN ISO 15883. One such unit is NSK's iCare+, a fast automatic system that effectively cleans, disinfects and lubricates up to four instruments at a time without the need to use a washer-disinfector. iCare+ rotates the instruments whilst injecting special treatment products in to all the internal mechanisms and tubing to provide deep cleaning and disinfection, and a pressure spray simultaneously cleans and disinfects the external surfaces, ensuring full compliance every time.



In addition to the permanent internal validation process, software is available to log all cycle data to an external device. iCare+ generates a serial number for every cycle, and once the data has been transferred to a computer, serial numbers of individual instruments can be added to specific cycle records in order to establish total traceability.

High performance autoclaves

Autoclaves have long been an essential part of any dental practice, but they can take up a lot of space. NSK's range of high performance autoclaves have proved they can reliably perform in the toughest, and even the smallest of environments, all day, every day.

An essential part of the sterilisation process within autoclaves is the automatic heating system. The heat must be precisely controlled to allow an even temperature distribution to prevent any thermometric differences, making it possible to sterilise wrapped or non-wrapped instruments. The NSK iClave plus incorporates a copper chamber and differentiated heating, making cycles faster without the need for a steam generator and so increasing the iClave plus's reliability. Equipped with a powerful vacuum pump enabling total air expulsion, the iClave plus makes it possible to reliably sterilise any kind of material, including the internal surfaces of

handpieces, and combined with fast cycles of less than 20 minutes, it takes some beating.

For those looking for total reliability and portability, or have less space available, the iClave mini is designed to protect handpieces whilst offering highly efficient processing. Using new direct-heating technology it offers a 2.5 litre chamber to deliver up to 12 'dry' handpieces in less than 12 minutes. The iClave mini is totally portable as it weighs only 15.5kg and fits into the smallest spaces with a footprint less than an A4 piece of paper. The unit is designed to just plug in and start sterilising and its compact and elegant design makes it an ideal fit for any clinic interior. The iClave mini complies with Europe's Class S sterilisation Standard and sterilises even the invisible parts of handpieces.

And finally...

When it comes to the care, cleaning and maintenance of dental instruments, always look to a trusted and reliable manufacturer such as NSK who understands the requirements of dental practices, backed by many years of research, and can offer warranty on all NSK products. It is also worth remembering that not using the recommended equipment and procedures can lead to any warranties being invalidated.

A multitude of choices

Dr Matthew Holyoak BDS, Dip Rest Dent (RCS Eng), MSc (Rest Dent) discusses his rational for equipment choice.

As a general dentist and lecturer I often find myself faced with an overwhelming array of equipment choices, and as techniques evolve and the sales process becomes more sophisticated, it can be hard to say no to a whole range of 'must-have' items.

But how do you choose the essential from the non-essential? For me it's simple; will this piece of kit make my dentistry better and will I use it often enough to justify the cost?

Let's take the car analogy. If I'm going to buy a new car I want it to have ABS - a car with no ABS makes driving less safe, a car with ABS greatly reduces the chances of brake lock up and provides a better chance of steering out of trouble. I use the same thinking when choosing dental equipment, by selecting kit that offers features that improve the clinical outcome whilst at the same time minimising any risks to my patients.

Risk factors

Endodontics can be a tricky area of dentistry, and as I do the vast majority of my own endo treatments, I have to source products that help me reduce the risks to my patients and deliver successful treatment outcomes.

Endodontic instrumentation has advanced significantly in recent years with a range of powered rotary and reciprocating systems that can make root canal treatment easier to perform. Endodontic electric motors are a part of this advancement as they provide clinicians with the ability to use endodontic files with constant and precise torque suited to the canal being treated.

We have seen the introduction of more flexible nickel-titanium (NiTi) instruments for use in endodontic

treatment and the super-elasticity of NiTi alloy allows these instruments to flex far more than stainless steel instruments, allowing easier instrumentation of the canal. The main concern with NiTi rotary instrumentation techniques is probably instrument failure. It is well documented that if a high-torque motor is used, the instrument-specific limit-torque (fracture limit) is often exceeded, thus increasing the risk of intracanal fracture.

Fracture of nickel-titanium rotary files is an issue which can seriously jeopardise root canal therapy. A solution to this problem is to use a low-torque endodontic motor which can be programmed to operate below the break values of the files. If the torque is set just below the limit of elasticity for each instrument, the risk of fracture or stripping is likely to be markedly reduced.

I routinely use the lightweight NSK Endo-Mate TC2 motor which reduces the risk of instrument damage and fracture as it reacts when the load on the file reaches the preset level of torque in one of three predetermined ways - auto-reverse on, auto-stop, auto-reverse off. The unit is specifically designed for use with Ni-Ti files from all major suppliers as it offers five preset programmes for differing file systems, and the last programme settings can be memorised. The ultra-slim, lightweight handpiece also makes access to the molar region relatively easy. As the unit is cordless and portable it allows me to move from surgery to surgery as required and minimises the number of cables I have around the treatment unit, which is a great bonus.

Second to none

When it comes to equipment choices, using a reputable supplier who can also offer you

service support has got to be key. As I teach on numerous hands-on courses I welcome the support of manufacturers and supply companies - without them it would be very difficult for us to demonstrate modern dental techniques and aid the development of the profession. NSK, and to be more specific Pauline Jones, Northern Product Specialist for NSK, gives me and all my colleagues in practice and on the FGDP Diploma in Restorative Dentistry course fantastic pre- and post-purchase support which is second to none.

Dr Matthew Holyoak BDS, Dip Rest Dent (RCS Eng), MSc (Rest Dent)



Matthew maintains a private practice in Lytham St Annes, Lancashire with an emphasis

on cosmetic and advanced restorative dentistry. Recently appointed as Educational Supervisor in Advanced Restorative & Cosmetic Dentistry at the School of Postgraduate Medical and Dental Education. He is also a Senior Lecturer in Restorative Dentistry at UCLan. He has a specific interest in aesthetic dentistry including smile design, composite resin restorations, minimally invasive ceramic restorations and the restoration of dental implants. He lectures on smile design, hands-on training in composites, and restoring dental implants for FGDP, Ankylos Implants, Tipton Training and NW Deanery. Matthew is a full member of BAAD, and an associate member BSOS.

ENDODONTICS

ENDO-MATE TC2

- Large LCD display
- 5 programmes for different file systems
- Supports most major brands of Ni-Ti files
- Torque control facility ranging from 0.1 to 4.0 Ncm depending on head:gear ratio
- Auto-reverse and alarm function sounds an audible alert when preset torque level has been reached



MODEL **Endo-Mate TC2**
REF **Y1001027**

RRP **£1,468**

ENDO-MATE DT

- Large LCD display
- Store up to 9 speed and torque settings
- Use with Ni-Ti files from most major suppliers
- Torque control from 0.1 to 6.5 Ncm depending on head:gear ratio
- Auto-reverse on, auto-stop, auto-reverse off



MODEL **Endo-Mate DT**
REF **Y141121**

RRP **£1,388**

iPexII APEX LOCATOR

- Accurate measurement of any root canal using SmartLogic technology
- Operates in all conditions, including dry, wet and bloody canals



MODEL **iPexII**
REF **Y1002208**
RRP **£872**

Buy
Endo-Mate DT
get **iPex II**
Free*

*Terms and conditions apply. Offers only available through participating dealers.



Call us on **0800 6341909** or visit **www.nsk-uk.com**



NSK UK Ltd



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ORAL HYGIENE

Perio-Mate

Biofilm Eraser

- Avoids injury to delicate periodontal pockets
- Smooth 360° rotation
- Flexible plastic nozzle tip for better access to difficult to reach areas
- Ultra-fine water spray and Perio-Mate powder eradicate biofilm in just 20 seconds

Find out more at www.myNSKoralhygiene.co.uk



MODEL **Perio-Mate Powder**
Glycine based powder,
2x 160g bottles
REF **Y900938**

RRP **£84.80**

MODEL **Perio-Mate Tip Nozzles**
Pack of 40
REF **Y1002741**

RRP **£82.60**

MODEL **Perio-Mate**

- REF **Y1002654** for NSK coupling
- REF **Y1002655** for KaVo® MULTiflex® LUX coupling
- REF **Y1002656** for Sirona® quick coupling
- REF **Y1002657** for W&H® Roto Quick® coupling
- REF **Y1002658** for Bien-Air® Unifix® coupling

RRP **£1,100**

SAVE £490
Buy both
Perio-Mate & Prophyl-Mate neo
for **£1,475***



I use the Perio-Mate routinely as it is ergonomically designed, lightweight and offers very good balance in my hand. Additionally I like the disposable tips as they reduce maintenance. Perio-Mate, with its ultra-fine water spray and glycine-based powder, is part of my standard implant maintenance protocol for mucositis and early peri-implantitis as it delivers excellent results and patients find the procedure surprisingly painless and the taste rather pleasant."

Dr. Chong Lim. BDS, MSc, MSc, Implantologist & Specialist Periodontist, Perio & Implant Dental Clinic Referral, Twickenham, London, www.perionimplant.com

Learn more about perio and get hands-on with the Perio-Mate on one of Deepak Simkhada's courses.

Find out more at www.periowithdeepak.co.uk or visit the Facebook page 'Perio with Deepak'.

Prophy-Mate neo

Air Polisher

- Compact and lightweight
- Includes 60 and 80 nozzles
- 360° rotation
- Packed in a handy case
- Can be easily dismantled for autoclaving
- Includes 6 sachets of FLASH pearl® that quickly removes stains and plaque

Find out more at www.myNSKoralhygiene.co.uk



MODEL **FLASH pearl**
4 x 300g bottles
REF **Y900698**

RRP **£118**

100 x 15g sachets
REF **Y900693**

RRP **£162.40**

Buy 2 packs of FLASH pearl® get a Prophy-Mate neo nozzle of your choice FREE*

MODEL **Prophy-Mate neo**

- REF **Y135029** for NSK PTL coupling
- REF **Y135030** for KaVo® MULTiflex® LUX coupling
- REF **Y135031** for Sirona® quick coupling
- REF **Y135032** for W&H® Roto Quick® coupling
- REF **Y135033** for Bien-Air® Unifix® coupling

RRP **£965**

Buy Prophy-Mate neo get FREE second Prophy-Mate handpiece worth **£367***

MODEL **Prophy-Mate neo handpiece**
REF **T797010**

RRP **£367**

MODEL **Prophy-Mate neo nozzle**
with quick-connection
60° nozzle **T797012** 80° nozzle **T797013**

RRP **£103**

RRP **£103**

Prophy Contra-angles

FX57M

- Prophy contra-angle for screw-in cups/brushes
- Paste defence system
- Features a long and narrow neck for easier access to posterior region compared to conventional contra-angles

REF **C1054001**

RRP **£255**



FX65M

- For use with disposable prophy heads

REF **H1014001**

RRP **£226**

Buy 2 Get 1 FREE!*



AR-EC

- Available for screw-in cups/brushes (S) and snap-on cups (K)

MODEL **AR-EC(S)**
REF **Y110164**

MODEL **AR-EC(K)**
REF **Y110165**

RRP **£135**



NAC-EC

- For use with prophy latch grip cups/brushes

REF **Y110148**

RRP **£133**

Buy 5 Get 1 FREE!*

Buy 8 Get 2 FREE!*



*Terms and conditions apply. Offers only available through participating dealers.

My patients come back time after time!

Anne Marie Taylor, Hygienist at Saracen Street Dental in Glasgow, discusses why the NSK Prophy-Mate neo is probably the best thing she has ever bought!



I've been using the NSK Prophy-Mate neo for two years now and it's probably one of the best things I have ever purchased for the practice. I'd seen similar air polishing systems when I was a dental nurse in Canada, and when I met Angela Glasgow, NSK's Territory Manager for Scotland at a dental show, she arranged a 10-day 'try before you buy' in-practice trial for me. I'm absolutely delighted with the Prophy-Mate, so delighted in fact we have now purchased a second Prophy-Mate neo for the practice.

The Prophy-Mate neo delivers fantastic results and has been an exceptional way to build our patient base. We use the units on over 10 patients a day, and although we only charge a relatively small additional amount per treatment for 'sandblasting' (as the patients like to call it!), the Prophy-Mate neo has very quickly paid for itself as patients come back on a regular basis for hygiene visits as they love the results.

Perfect practice builder

We are a mainly NHS practice where for the vast majority of our patients, dentistry and oral hygiene is not a top priority. However, because the Prophy-Mate neo delivers great results for a relatively small amount of money, we find our patients are very motivated keep up their check-ups and hygiene visits. They really see the benefits, and once they've tried it, they just keep coming back.

When we first purchased the Prophy-Mate neo I found a couple of patients who had very heavy staining on their teeth and they kindly consented to me taking 'before and after' photos of their treatment. I then used these to show other patients the fantastic results achieved and this has been the only 'marketing' we've ever had to do. I think many of our patients have become 'disciples of the

sandblaster' by telling family and friends about the great treatment they have received.

Beautifully designed

The word 'sandblaster' conjures up all kinds of strange thoughts, none of which apply to the Prophy-Mate neo! The unit is beautifully designed, lightweight and very ergonomic to use. There's a choice of two tips - 60 and 80 - and I mostly use the 60 tip for routine cleaning.

We use NSK FLASH pearl® powder with the Prophy-Mate neo, which I find is a great combination for really effective removal of stains, plaque and calculus. FLASH pearl granules are small and spherically shaped, so they don't harm the teeth and patients seem to find the taste pleasant.

"The job of a hygienist can be very demanding and physically hard work, but I have found that using the NSK Prophy-Mate neo and Perio-Mate incredibly satisfying, especially when you see the end results."

In terms of maintenance I find the Prophy-Mate neo is very easy to look after. After every patient the unit is flushed through with water and air and then it's autoclaved, and we don't leave the powder in the chamber to get clogged up. Our original unit is now over two years old, used daily and it still works perfectly.

The support and service I have received from NSK, in particular Angela, has been amazing, she really helps us with all our needs. I recently wanted to try out a new NSK product, the Perio-Mate, and once again Angela arranged for me to test this out for 10 days in practice to see if it was right for me.

Effective cleaning for even the most sensitive teeth

The Perio-Mate was originally designed to help with implant maintenance, but we don't have many patients who can afford implants. However, it is also perfect for cleaning out deep periodontal pockets around teeth and fixed restorations. I used the Perio-Mate on several patients during the trial run and found it to be very useful as it gently and efficiently removes biofilm, even in sensitive pockets. The nozzle tip allows easy access to difficult to reach areas, and does not adversely affect neighbouring teeth and contours. The Perio-Mate's ultrafine water spray and glycine-based Perio-Mate Powder combine to gently eradicate biofilm.

Satisfying end results

The job of a hygienist can be very demanding and physically hard work, but I have found that using the NSK Prophy-Mate neo and Perio-Mate incredibly satisfying, especially when you see the end results. My patients are happy and can see a noticeable difference in how good their teeth look after treatment, which is a really nice thing to be a part of. Even for my older patients who have been life-long smokers and believe their teeth are never going to look any better, are always more than pleasantly surprised at the results. I can't recommend these NSK products highly enough!

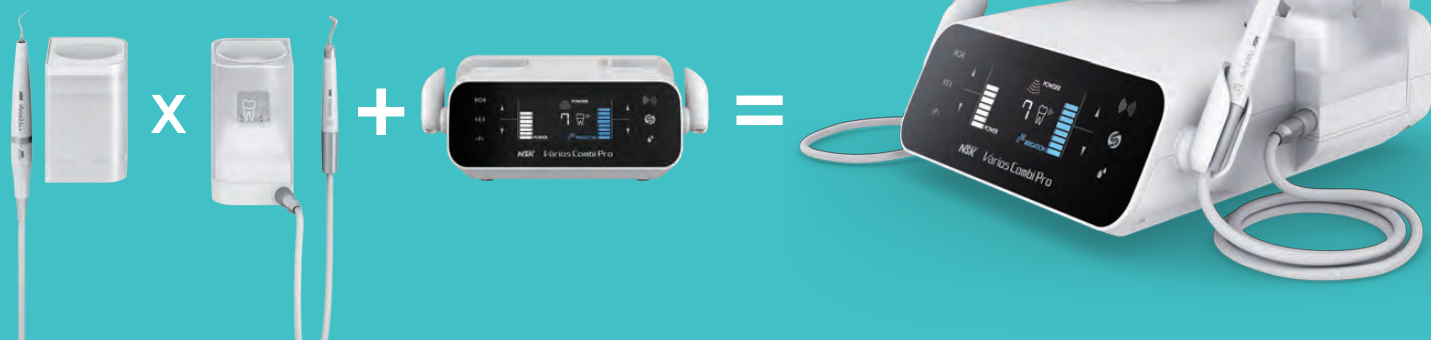
Request your 10-day free trial

NSK is so confident hygienists and therapists will be delighted with the results achievable with Prophy-Mate neo and Perio-Mate that it's offering a no-obligation 10 day 'try before you buy'.

Varios Combi Pro

Two oral care systems in one!

REF Y1002843
RRP £4,273



The NSK Varios Combi Pro brings together advanced ultrasonic solutions and air polishing in one unit to deliver more effective and comfortable oral hygiene and biofilm control.

The ultrasonic device incorporates the advanced NSK iPiezo engine® which easily and comfortably removes both soft and hard calculus by powering the tip according to the applied pressure. Additionally, the unit features state-of-the-art software to maximise performance while minimising patient discomfort.

NSK have considered every facet in the development of the Varios Combi Pro to ensure stable scaling performance. The power delivery to the tip is controlled according to the pressure applied by the operator so it behaves like a hand instrument, and the auto tuning automatically adjusts the oscillation frequency to deliver the desired power to the tip. The tip adheres precisely to the tooth surface, enabling the operator to properly sense the surface condition. All of this is delivered via an ultra-slim, lightweight and well-balanced handpiece which offers outstanding accessibility, freedom of movement and a wide operative field. NSK also offer an extensive range of over 80 tips to optimise treatment in different clinical procedures.

A new take on prophylaxis

The supragingival air polisher incorporated into the Varios Combi Pro has been designed to be extremely comfortable to hold. It is lightweight and compact and delivers optimised powder flows inside the chamber, streamlining sprays of powder, water and air to significantly shorten chair times.



Includes
FREE Perio
Set worth
£1,100 +VAT*

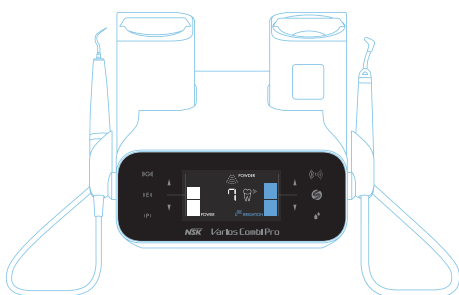
The slim handpiece provides excellent accessibility and mobility inside the oral cavity with the long, compact nozzle providing easier access to molars, reducing discomfort for both the operator and patients by eliminating unnecessary lip and cheek stretching while maintaining a wide operative field. The Varios Combi Pro cleans teeth quickly with NSK's FLASH pearl®, a fine spherical shaped calcium-based powder which removes stains and plaque to give a thorough deep clean.

Subgingival applications

The Varios Combi Pro can also be easily used for subgingival applications as the operator simply attaches the relevant powder chamber and the unit automatically selects the functions for supragingival or subgingival applications, preventing selection errors. The detachable chamber and handpiece make it possible to easily switch between supragingival and subgingival applications and makes the unit extremely user and maintenance friendly.

No more clogging

By keeping the control unit handpiece and handpiece hose separate, the risk of powder blockages inside the unit has been completely eliminated. Additionally, the separate chambers, handpieces and handpiece hoses for supragingival and subgingival procedures eliminates the risk of powder mixing or powder entering the control unit.



NSK Varios Combi Pro

Two systems in one - NSK has successfully combined ultrasonic treatment and air polishing into a single professional treatment unit that streamlines procedures and saves time and space.

- Automatically sets air polisher functions for supragingival or subgingival applications
- Independent unit and chamber for easy switching between applications
- Multi-foot control delivers all key operations
- Optional perio system also available
- Wide range of applications
- Gentle on soft tissue
- Wide choice of tips
- A clear functional display
- Auto-cleaning function
- Easy maintenance
- Space-saving cart available



REF Y1002843
RRP £4,273

*Terms and conditions apply. Offers only available through participating dealers.

ORAL HYGIENE

Ti-Max S970L

- Optic
- Lightweight titanium**
- Quick release coupling fitting



MODEL Ti-Max S970L

Optic air scaler for NSK PTL coupling

REF **T1005001**

RRP **£1,179**

MODEL Ti-Max S970KL

Optic Air Scaler for KaVo® MULTIflex® LUX coupling

REF **T1013001**

RRP **£1,179**

MODEL Ti-Max S970SL

Optic Air Scaler for Sirona® quick coupling

REF **T1015001**

RRP **£1,179**

**Only external body component is titanium

Buy S970L get 3 NAC-EC instruments FREE*

Ti-Max AS2000

- Non-optic scaler
- Oscillation frequency of 6,100 – 6,600 Hz
- NSK air scaler tips are compatible with KaVo® SONICflex®



MODEL AS2000 B2/3

Non-optic air scaler for Borden 2/3 hole

REF **T697001**

RRP **£450**

MODEL AS2000 M4

Non-optic air scaler for Midwest 4 hole

REF **T698001**

RRP **£450**

*Torque wrench required

Buy AS2000 get an NAC-EC FREE*

Buy 1 Get 1 FREE on all Scaler Tips*

Air Scaler Tips for S970L & AS2000

Scaling



S1 Z252411 S2 Z252413 S3 Z252412

Perio



S10 Z252420 S20 Z252441 S21R Z252442 S21L Z252443

Restorative (For MI)



S65D Z252465 S66D Z252466 S67D Z252467 S68D Z252468

Restorative (For preparation of crown cores)



S81D Z252469 S82D Z252462 S83D Z252461 S86D Z252460 S71D Z252471 S72D Z252472

Restorative (For Minimal Intervention)



S75 Z252035 V-G70 Y900118 V-G71 Y900119 V-G72 Y900120 V-G75 Y900121 V-G76 Y900122 Assorted tip kit Y900158

Restorative (For Finishing/Trimming/Polishing)



V-G77 Y900165 V-G78 Y900166 V-G79 Y900167 Assorted tip kit Y900168

Restorative (For Caries of Dentine)



V-S1 Y900161 V-S3 Y900162 V-S33 Y900163 Assorted tip kit Y900164

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- Plug and Play system



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NLX nano has been designed to reduce weight by 20% and size by more than 25% compared with the current NSK micromotor. Despite its smaller size and lighter weight, NLX nano is as powerful and offers the same speed range as the current brushless NSK clinical micromotors.



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Varios 970

iPiezo engine

Ultrasonic scalers are fast becoming one of the most important pieces of equipment in daily use in a dental surgery, providing a patient-friendly and efficient way for perio, endo and minimal intervention treatment techniques. With a choice of 70 tips, the Varios series can be used for general scaling, restorative, perio, prosthetic, endodontic and minimally invasive applications as well as implant maintenance.

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MODEL **Varios 970 LUX**
Optic Complete set
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RRP £2,488

MODEL **Varios 970**
Non-optic complete set
REF **Y1001175**

RRP £2,141



"NSK let me try the Varios in practice for 10 days and this made me certain I had made the right choice. The handpiece is slim, light and there is an excellent range of tips. I would certainly recommend the Varios to other hygienists."

Sue Bell, Dental Hygienist, Central London

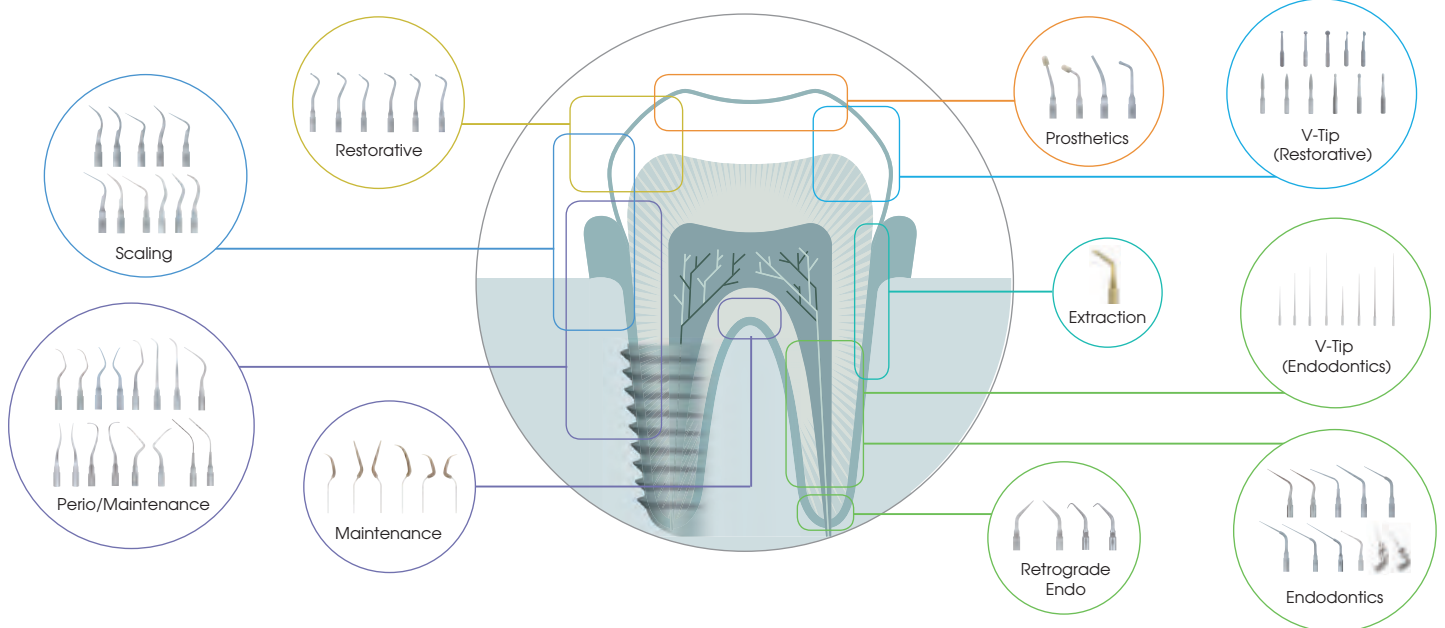
Learn more about perio and get hands-on with the Varios 970 on one of Deepak Simkhada's courses.

Find out more at www.periowithdeepak.co.uk or visit the Facebook page 'Perio with Deepak'.

Buy Varios 970 / Varios 970 LUX get 2 additional VA2 handpieces and sterilisation cassettes FREE*

Buy 1 Get 1 FREE on all Scaler Tips*

NSK Ultrasonic Scaler Tips



"I've been using the NSK Varios 970 for over a year now and it has been sublime. The Varios is really quiet compared to other machines I've had and so easy to move around. I think it's absolutely brilliant."

Nick Hodgetts, Dental Hygienist, Covent Garden Dental Practice, www.cgdp.com

*Terms and conditions apply. Offers only available through participating dealers.

'I couldn't believe the difference with the Varios'

'To this day I refuse to allow my Varios to leave my Hygiene suite as I doubt I would get it back!' Dental hygienist Susan Hales explains why...

From the start of my career as a young dental nurse, until opening my own clinic 14 years later, I only had experience of using a Cavitron-type magnetostrictive ultrasonic scaler. It was what I had trained on, what every dentist I assisted used, and it naturally became my equipment of choice. I loved it, and would even choose my locum positions based on the availability of a Cavitron as opposed to a Piezo-type unit.

First impressions

My first experience of using a Piezo was during my tenure with the Ministry of Defence in Germany, and it was one of the worst of my professional career. For me it was difficult to handle, risking tissue damage, caused hypersensitivity, and was incredibly noisy. With this particular position I had to see a large number of patients per session and needed to work at maximum efficiency, but the particular Piezo I had to work with slowed me down to a snail's pace and mostly had me resorting to hand scaling.

Many clinicians would agree that hand scaling can be extremely time-consuming. It causes hand fatigue, there is continuous instrument re-selection and results in the end-of-session stain removal time being lost. There is no ability to use an antiseptic solution when hand scaling and personally I never feel a hand scale gives the best results. Calculus and plaque can be removed in a few strokes with a mechanical instrument - it can take twice as long with a hand instrument.

Decisions, decisions...

Setting up a dental clinic can be very expensive, but I refused to compromise on quality when it came to mine. However, when the opportunity arose to purchase top-of-the-range equipment from NSK at a price that was within my budget, I faced a dilemma. My experience of the Piezo in Germany had me vowing to never use one again, but here I was being offered the high specification NSK Varios 970 with optic lighting, and my decision to purchase is one I'll never regret.

As it turns out, not all Piezos are anything like the same. I couldn't believe the difference with the Varios for navigating with complete comfort and ease through my patients' mouths, and how smooth and quiet it was. There was no discomfort for my patients, and no tension or apologising from me. I became an immediate convert.

"I couldn't believe the difference with the Varios for navigating with complete comfort and ease through my patients' mouths, and how smooth and quiet it was. There was no discomfort for my patients, and no tension or apologising from me. I became an immediate convert."

Top tips

What I really appreciate about the Varios is its versatility. It has a tip for every eventuality, such as tenuous calculus, heavy staining or deep pocketing, not to mention those available to a dentist for endodontics, prosthetics and restorative work.

My Varios came supplied with a large selection of tips and I soon found I was using them all. With the Cavitron I did have several inserts to choose from, but only ever used a couple on a daily basis as the others didn't seem to be ergonomically practical and didn't warrant the time it took to change them. With the Varios I have to change tips, as I know the correct tip makes such light work of the job in hand. I have general supragingival scaling tips for light to heavy calculus and a wide general scaling tip to easily tackle heavy stain removal. The long perio tips are unbelievably accurate and tactile, and because the Varios is so smooth in operation I can feel the smallest of subgingival debris with it.

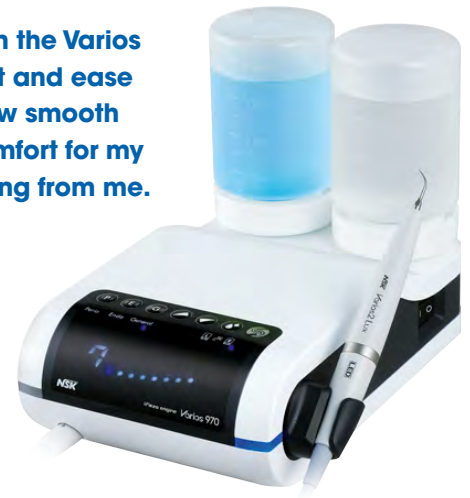
Compatibility is key

It is important to use ultrasonic systems and tips from the same manufacturer as both the machine and tips have been designed and built to work together to give the optimum clinical results. This is something I have experienced working here in Kenya where it can sometimes be difficult to procure imported items exactly when you need them, meaning on occasion I have to use generic tips with my Varios. The experience may not seem too bad, if you had not previously used the specific NSK tips for comparison. If you had, you would certainly notice the difference!

Invest in the best

In my experience, one of the main challenges hygienists face when using ultrasonic scalers in practice is having to use equipment that has not been manufactured to perform to the highest standards, or to withstand the test of time. That is why I can't recommend the Varios 970 highly enough in this regard.

Always try to invest in the very best equipment - it



is a reflection on the work you do as a clinician. Patients cannot be expected to understand that poor equipment, such as my Piezo in Germany, or the wrong choice of tip can cause traumatic and ineffective results. They equate the sensitivity, tissue trauma, noise and discomfort to your skills as a clinician, not the quality of your equipment.

Using the right equipment in the way it was intended can only benefit you as a clinician, and most importantly, your patients. This is what a great reputation and job satisfaction is built upon.

Susan Hales

Susan qualified from the Edinburgh Dental Institute in 2003 with a Diploma in Dental Hygiene from the Royal College of Surgeons, Edinburgh. She worked briefly as a locum in England, Wales and with the MoD in Germany before moving to Nairobi, Kenya, spending the next six years in private practice.



Susan has now established her own successful dental clinic there - Skye Dental - and as well as hygiene services she employs GDPs, a dental implant specialist and specialist orthodontist.

www.skyedental.co.ke

ORAL SURGERY

VarioSurg3

Powerful ultrasonic surgery system with LED

- Piezo ultrasonic bone surgery system
- Intuitive Piezo feedback
- Large, clear LCD screen
- Wide range of tips ensures faster and more precise treatments
- Lightweight, slimline VarioSurg3 handpiece, with 50% more power than the VarioSurg2

MODEL **VarioSurg3**
with LED handpiece
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RRP £6,944

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"I use the VarioSurg3 almost exclusively for harvesting bone grafts and occasionally for removing more difficult roots. The VarioSurg3 is a beautiful Piezo, very powerful, cuts very efficiently with pencil thin cut lines - I am very happy with the unit as it supports my ethos of providing the very best clinical care."

Michael R Norton BDS FDS RCS (Eng), Specialist in Oral Surgery Harley Street, London



Surgic Pro+ x VarioSurg3

Surgical Link Stand / iCart

NSK's Surgical Link Stand allows operation between the Surgic Pro oral surgery and implant micromotor system and the VarioSurg3 ultrasonic bone surgery system using a single foot control with a common interface controlling each system. Store both units and their accessories on the iCart for optimum organisation.

MODEL **iCart Duo**
REF **S9090001**
RRP £618

MODEL **SG Link Set**
REF **Y1002729**
RRP £440

Buy any Surgic
Pro and get
VarioSurg3
HALF PRICE*



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"The VarioSurg ultrasonic bone surgery system is indispensable when performing certain implant procedures, the feedback and auto-tuning functions, combined with a wide range of tips, ensure faster, more precise treatments."

Dr Philip Friel, BDS BSc (Hons, MedSci) MFDS RCS (Edin) MRCPS (Glas), Clinical Director and Principal Dentist at Philip Friel Advanced Dentistry in Glasgow www.philipfriel.com

A room with a view...

Michael R Norton BDS FDS RCS(Ed) talks to Sue Karran about his views on delivering successful implant treatment.

Wow, Michael this is an amazing surgery set up you have!

Yes, I have been very lucky to be able to deliver my dentistry in a fantastic location and we spent a lot of time and resources on getting the set up at 104 Harley Street to be as good as it can be. For me it's vital that my patients are comfortable at all times, and part of this involves putting patients at their ease from the very start. The focus of my treatment room is not the chair, patients look beyond this to the vast pool of light that comes from the atrium area at the back of the room. In fact lighting and the décor have played a key role in the look and feel of the treatment room. Many patients are nervous - especially on their initial visit - but this approach puts them at their ease and provides me with a superb clinical environment to deliver the very best possible treatment outcomes.



Can you tell me about the work you do?

I offer a full range of reconstructive dental surgical procedures, and dental implants in particular. As a Specialist in Oral Surgery I can provide an extensive range of grafting procedures from simple local grafts to sinus lifts, block grafts and iliac crest grafts. Most of my work comes via referral from colleagues who typically use me for their more complex cases.

I have been working with dental implants for nearly 25 years and have been involved with many research projects to further the science and understanding of implant dentistry. I also spend a considerable amount of time lecturing around the world and I've been very actively involved within associations such as the ADI for whom I was privileged to be President in 2000/1. I am currently Vice President of the Academy of Osseointegration, the premier implant organisation in the world and in 2017 I will become its first ever non-American President.

As a Specialist you are highly trained and very skilled, what are your thoughts on GDPs undertaking implant procedures?

The guidelines for GDPs are clear as the FGDP (UK) Training Standards in Implant Dentistry 2012 document states, "Before undertaking implant treatment, a dentist must develop competence in the procedures involved in clinical assessment, treatment planning, and the placement and restoration of implants. The skills and knowledge necessary for competence should be developed through a training course in implant dentistry, with a suitably trained and experienced clinician acting as a mentor."

I am sure there are, as in most professions, 'super-generalists' who are very skilled, but all GDPs should

work within their scope of practice. I have been enlisted as an expert witness to help defend GDPs in a few GDC cases, where things have gone wrong during treatment, and for the clinicians involved this can be a terrifying experience. I would highly recommend that GDPs who want to add implant dentistry to their practice offering, not only attend a recognised implant course, but they also work with a Specialist who can offer support and take on the more complex cases.

You routinely choose to work with the ASTRA TECH Implant System™, why have you chosen to use this system?

I have worked with Astra for many years as part of their international research and development team. For me it is very important to choose an implant that is well researched and will provide the patient with an excellent long-term outcome. The Astra system is evidence-based and delivers excellent long-term results. As a Specialist working with many patients who are being referred to me with signs of Peri-implantitis, I often find it is difficult to identify the implant because it is not one with any strong pedigree and may be from a completely unknown manufacturer and this can cause other considerable complications for the patient if parts need to be replaced. With hundreds if not thousands of implant systems to choose from I would highly recommend that all clinicians use a known, well-researched product that has some longevity in the market place. The cost difference between 'value' and 'premium' systems is relatively small compared to the cost of treatment, and in my opinion, reconstructive implant dentistry should be about the long-term patient outcome, not saving a few pounds to increase marginal profits..

When it comes to implant placement and bone surgery which drill system(s) do you use?

When I had my chair fitted it came with an implant motor built-in, but over time I found the motor was not reliable and had some limitations. I was very familiar with NSK and I was acquainted with Alex Breitenbach, NSK's UK Managing Director, who very kindly let me trial the NSK VarioSurg3 Piezo surgical unit and SurgicPro surgical implant unit. I started testing both units and found them to be superb, and I was very impressed with both the quality of the equipment and the service from NSK. While the SurgicPro implant motor can be pre-programmed to a given RPM, like many other motors, the value is a set only as an upper limit. This means that if I need to alter the RPM during surgery it is simply a case of adjusting my foot pressure on the peddle. For example, when I start cutting the osteotomy I can begin at high speed to cut through the cortex then I reduce the pressure on the foot control and the rotational speed is immediately reduced allowing me to proceed into softer bone. I also have full control of the torque which is very important, especially for inserting implants. I used to insert all my implants manually, but now I can set a precise value for insertion torque, which is vital for me as I'm an advocate of low insertion torque limits for implants to avoid damaging bone. I use the VarioSurg3 almost exclusively for harvesting bone grafts and occasionally for removing more



difficult roots. The VarioSurg3 is a beautiful Piezo, very powerful, cuts very efficiently with pencil thin cut lines - I am very happy with the unit as it supports my ethos of providing the very best clinical care.

Which handpieces do you use with your NSK SurgicPro?

I use the NSK Ti-Max X-DSG20L dismantling surgical handpiece which is very durable and reliable whilst delivering constant torque, which is vital. It is also easy to dismantle without any tools for easy cleaning and maintenance. The LED function is also great for providing extra illumination in the surgical field. I also use the NSK Ti-Max Z45L contra-angle, which delivers excellent operational visibility thanks to its 45-degree angled head, facilitating access to the molar region which standard contra-angles simply can't match. I found the Ti-Max Z45L particularly useful in the difficult-to-reach posterior region for drilling out composite fillings in screw access holes. The combination of a 45-degree angle and small head makes my life a lot easier, especially when working on the upper jaw.

Michael, thank you for being so generous with your time, do you have a few closing words to sum up?

I firmly believe dental implants provide patients with clinical and lifestyle outcomes that would be difficult to achieve in any other way. GDPs should be encouraged to learn about patient selection for implants and grow their skills within their scope of practice and within their own limitations. It is vital for the ongoing success of the profession that implant dentistry is not seen as a 'cash-cow' and that we provide patients with well-planned, well delivered, long-term evidence based products and techniques. Obviously there are associated costs to delivering this level of treatment, but I firmly believe that patients don't want implant treatment on the cheap, especially if this results in compromise, failure and disappointment. I have found by giving patients all the facts and explaining my reasons for selecting certain products and processes, patients have the confidence to move forward with treatment and many of my patients come back over many years for repeat treatment, which is a fantastic practice builder.

Michael R Norton BDS, FDS, RCS(Ed)

Michael is registered as a specialist in oral surgery with the General Dental Council, registration number 63248.

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ORAL SURGERY

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Surgical Implant Unit



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Buy Surgic Pro LED get second X-SG20L 20:1 contra-angle FREE*

Buy Surgic Pro+ get second micromotor with cord and X-DSG20L 20:1 contra-angle FREE*

MODEL **Surgic Pro non-optic**
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REF **Y1003587**
RRP £3,848

MODEL **Surgic Pro LED**
with Ti-Max X-SG20L
REF **Y1003586**
RRP £5,156

MODEL **Surgic Pro+ LED**
with Ti-Max X-DSG20L
REF **Y1003585**
RRP £5,735

MODEL **SGL70M**
Surgic Pro LED motor
REF **E1023001**
RRP £2,289

MODEL **SG70M**
Surgic Pro non-optic motor
REF **E1025001**
RRP £1,591

ITEM **Irrigation Tubing**
pack of 5
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Surgical Handpieces

A selection of our most popular handpieces See the full range at www.nsk-uk.com

Ti-Max X-DSG20LH

- 20:1 reduction
- Dismantleable
- Hexagonal chuck
- Max speed: 2,000min⁻¹

REF **C1076001**
RRP £1,333



Ti-Max X-DSG20L

- 20:1 reduction
- Dismantleable
- Max speed: 2,000min⁻¹

REF **C1068001**
RRP £1,312



Ti-Max X-SG20L

- 20:1 reduction
- Max speed: 2,000min⁻¹

REF **C1003001**
RRP £1,094



S-Max SG20

- 20:1 reduction
- Max speed: 2,000min⁻¹

REF **C1010001**
RRP £923



Ti-Max X-SG65L

- 1:1 direct drive
- Max speed: 40,000min⁻¹

Optic
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REF **H1038001**
RRP £547



Ti-Max Z-SG45L

- 1:3 increasing
- 45 head with external cooling

Optic
REF **C1107001**
RRP £933
Non-optic
REF **C1108001**
RRP £833



*Terms and conditions apply. Offers only available through participating dealers.

"I have found NSK's Surgic Pro very easy to use for surgical and implant procedures. It offers powerful and precise performance, coupled with intuitive operation and has revolutionised my implant surgery."

Dr Joe Bhat BDS FDS RCS MClintDent MRD RCSEd, Specialist in Prosthodontics and Oral Surgery

Simply the best

For peripatetic self-employed private implant surgeon Amit Mistry, his choice of equipment is fundamental to the success of his business. Amit travels to surgeries around England to carry out surgical procedures on behalf of practices, so for him, the portability and reliability of his equipment is essential. Amit has recently upgraded to using of NSK's Surgic Pro surgical system and VarioSurg3 ultrasonic bone surgery system, and uses NSK's Link technology to easily control the operation of both units from a single foot control and here he explains why.

What made you choose the surgical set up you have?

I was incredibly impressed with not only the service from NSK but the quality of the equipment. I had an original surgical micromotor from them but the new Surgic Pro is an exceptional piece of equipment. I don't have a practice base, I work in different surgeries placing implants and doing implant-related surgery, and so I need to take my equipment with me. What I have found with both the new Surgic Pro and VarioSurg3

"I was incredibly impressed with not only the service from NSK but the quality of the equipment. I had an original surgical micromotor from them but the new Surgic Pro is an exceptional piece of equipment."

is that they weigh a lot less than the original versions, and that was one of things attracted me to look at upgrading it is because it cuts down on the weight I have to carry around."

Can you describe the clinical experience your surgical system delivers?

For me the power and accuracy of the Surgic Pro is exceptional and as the real time performance is displayed on the large LCD screen, it is very easy to use. Additionally, the

unit offers a wide range of speeds and torque settings allowing me to use the Surgic Pro with any implant system. I use the NSK TI-Max X-SG20L 20:1 contra angle with integrated LED light, in addition to a straight surgical handpiece (1:1).

It is important for me to maximise my time and work efficiently and I don't want to spend hours cutting through bone. The NSK VarioSurg3 unit offers me many advanced features, it is also powerful and easy to use. I use the SG11 tip (I call it my 'elephant foot' tip) for lifting membranes, it's amazing and the combination of the Piezo and tip make it very easy to do. I use the straight saws and the off-set saws to get block grafts, and the unit cuts bone very well. To help gauge the depth, each saw has incremental points marked along it, so I can see how much bone I'm actually cutting, which is incredibly helpful.

What benefits does the Link Stand offer?

The Link Stand joins the operation of the Surgic Pro and VarioSurg3 together and makes using the two units together incredibly easy.

The stand 'stacks' the Surgic Pro above the VarioSurg3, utilising space and providing operation of the units via a single foot control, for example if I am executing a sinus lift and putting implants in at same time, being able to easily switch between units is extremely useful. It also means I only need a single foot control, which again reduces the amount of weight I am carrying but also means I can set up my equipment a lot quicker.

The NSK Surgic Pro is a compact, stylish and fully integrated system incorporating the unique NSK Advanced Handpiece Calibration (AHC) and is available in 3 options, Surgic Pro LED optic, Surgic Pro non-optic or Surgic Pro+ with LED which features a USB data storage system to record operational settings for future reference. By calibrating the handpiece with the micromotor, AHC guarantees accurate speed and torque control, consistent with the real time performance exhibited on the LCD. Its wide range of speed and torque settings allows clinicians to use Surgic Pro with any implant system brand.

The NSK VarioSurg3 maintains the lightweight and slim handpiece design of its predecessor, but has 50% more power than the previous model. The feedback and auto-tuning functions are combined with a wide range of tips to ensure faster, more precise treatments. VarioSurg3 also features the world's first dynamic link feature enabling clinicians to operate both VarioSurg3 and Surgic Pro via a single foot control using NSK's Link technology. Intuitive controls and a large and clear backlit LCD screen makes VarioSurg3 easy to operate while its Feedback Function constantly monitors the performance parameters of the ultrasonic unit during operation and simultaneously controls the power output, to optimise the level of power depending on the procedure.

How was your NSK experience?

I am very happy with all the NSK equipment I have and would highly recommend it to other clinicians. I know Pauline Jones (the NSK product specialist for my area) very well, as we had previously worked together at Manchester Dental Hospital. Pauline demonstrated the Surgic Pro and VarioSurg3 and then I was fortunate to benefit from a 10-day in-surgery trial which convinced me that these units were the perfect choice for me and would certainly help me confidently and efficiently deliver my surgical services.

Dr Amit Mistry

Dr Amit Mistry graduated from Manchester University in 2001 before completing his

general professional training with the North Western Deanery. Amit has undertaken extensive Postgraduate training in dental implantology in both advanced surgical and restorative cases. He was a Senior Grade Oral Surgeon and has previously worked in the Maxillofacial Department at both Blackburn and Manchester Dental Hospitals. He also teaches oral surgery, and is currently the surgical dentist lead clinician for the Halton division of the Bridgewater PCT NHS Trust. For more information about the services provided by Amit visit www.amsurgery.co.uk



DENTAL PROFESSIONALS LOVE NSK PRODUCTS...



CREATE IT.

"The Ti-Max Z900L is lovely to use. It is very smooth and quiet for a turbine, and, for me, it is all about the feedback you get from your hand when you are using the handpiece. The level of control given by the handpiece means that you know exactly what you're doing to the tooth."

Dr Gupram Lidder, Principal Dentist Queensbury Dental Practice, Dunstable, Bedfordshire

"The design and torque of the Ti-Max Z900L is the best yet, and I am very pleased with the performance. I would highly recommend NSK to any dentist that wants top quality, reliable handpieces for use in clinical dentistry."



Dr Ashish B Parmar, Smile Design by Ash, Chigwell, www.smiledesignbyash.co.uk

"Switching over to the NSK Ti-Max Z45L 45 handpiece allows me to avoid bumping upper incisors and thereby have a better bur angulation on tooth preparations."

Basil Mizrahi, BDS, MSc, Cert in Prosthodontics, Specialist in Prosthodontics & Restorative Dentistry www.basilmizrahi.co.uk



Jason Smithson BDS (Lond) DipResiDent RCS (Eng)

"I have been using a high speed electric handpiece for the past 5 years and would consider the instrument indispensable. I would strongly recommend the use of a micromotor and electric high speed handpiece to all clinicians."



Stuart C Campbell BDS MFDS RCS (Edin)

"I have got some turbines but I never use them, I always use my Z95L contra-angle with the micromotors because they are so much better. I do a lot of cosmetic and general restorative work and feel electric gives far better level of control for preparations and composite work as well as preparing margins and polishing. You can achieve everything you need to by changing the speeds via the micromotor to deliver an exceptional clinical result."

Dr Dan Hines, Azure Dental, Liverpool



"The iClave is quicker, easier to use and more reliable than our old autoclave. Volume wise it's brilliant - before I had to put all my implant equipment in two separate cycles, with the iClave I can get it all in one."

Ceri Owen-Roberts BDS, Elgin Park Dental, Bristol www.elginpark.co.uk

"The Varios 970 offers me the scope of greater control of power and greater flexibility of use. The tips are excellent in shape and form and the tactile feel from the handpiece is as good as I have used. It has been difficult to keep the unit in my surgery, my hygienist uses it on all our implant patients, using the specifically designed tips which are great for accessing the difficult tissue beneath implant restorations. Overall I am extremely happy to recommend this product to any of my colleagues, but beware, like our practice, I think you may need to buy more than one!"

Bob McLelland, Hale Dental Clinic, Manchester



"The iClave is much quicker than other autoclaves I have used. The cycles are faster and the large capacity means I can fit an entire implant kit plus other equipment into one cycle which saves a great deal of time. I love it!"

Lynne Bolton, Denmark Street Dental Practice, Gateshead

"I really like the separate water supply as well as the Varios's adaptability and controllability. I have used other systems, but to be honest, I find they really don't compare."

Paul Begley, BDS FDS RCPS MSc, City Dental Clinic London & Tisbury Dental Centre



"Straightaway I was really impressed with the Prophy-Mate neo - I really liked it. I found it very easy to use and have had great results."

Jade Wojcik, Pendragon Health, London www.pendragonhealth.co.uk