

Silk Line

A revolutionary approach to simplicity

TURBINES, CONTRA-ANGLE AND STRAIGHT HANDPIECES, HEADS, AIR MICROMOTORS, AIR-FLOW HANDPIECES



IVORU
Mechanikkonzept

*European reliability in support
of your professionalism*
MADE IN EU

AN ON-LINE COMPANY, A SMART COMPANY

Ivory is a smart company in every way. Efficiency, innovation and a capacity to respond rapidly to the needs of customers are our key characteristics. Our flexible and streamlined organisation is geared up to provide information and customer service directly on line. Thanks to a high level of automation, Ivory guarantees top quality, rapid and low cost service.

TUTORIAL AND TECHNICAL ASSISTANCE VIDEOS. THE NEW FRONTIER IN MAINTENANCE.

Speed and efficiency come first, even in the maintenance of Ivory instruments. In keeping with the vision, innovation and functionality typical of Ivory, even technical assistance and product maintenance assume an advanced form. Professionally presented but easy to follow on-line tutorials are dedicated to all product lines to help you avoid malfunctions and failures. Technical assistance videos explain exactly how to proceed in the event of a problem. Continuity and flexibility are the keystones of Ivory technical assistance and training, which are still available to customers on-line even after the warranty period. To obtain more specific technical assistance, simply contact your nearest Ivory office, consulting the website **www.ivory-dent.com**.

AUSTRIAN SOUL, EUROPEAN ORGANISATION

Thanks to an extensive network covering the whole continent, Ivory can guarantee efficient, professional service to customers in all European countries. Products are distributed from a single, central warehouse to cut delivery times and costs and ensure constant availability from stock. This streamlined organisation ensures that all requests can be satisfied rapidly. If you are not satisfied, we shall reimburse you!



- ⊕ TURBINES
- ⊕ CONTRA-ANGLES
- ⊕ STRAIGHT HANDPIECES
- ⊕ MICROMOTORS
- ⊕ COUPLINGS
- ⊕ HEADS
- ⊕ AIR-FLOW HANDPIECES





FAST-OIL, THE NEW FRONT LUBRICATION SYSTEM

The innovative front lubrication system **Fast-Oil** designed and developed by Ivory for Silk Line instruments represents one of the most important developments on the market today. Thanks to this clever design, you can spray-lubricate the turbines of Silk Line instruments from the front, without any need for adapters. This is possible thanks to a revolutionary lubricant distribution system inside the rotor. The result is significantly reduced repair costs, less chance of mistakes when servicing the instrument and reduced maintenance times too.

THE RIGHT SOLUTION FOR ALL NEEDS

Optimise your work with the flexibility of Silk line. Thanks to the large number of articles in the Silk Line range, you can choose exactly the right solution for all your needs and maximise the versatility of your instruments to match the nature of each operation. Perfect balance and lightweight but robust materials minimise noise. Silk Line instruments enable dentists to enhance their professionalism thanks to comfortable and ergonomic products designed for maximum technical efficiency and manufactured to the highest quality standards.

A DEDICATED PRODUCT AREAS MEANS MAXIMUM PEACE OF MIND FOR CUSTOMERS

The Ivory website contains a dedicated area to deal with all kinds of question related to Silk Line products. At Ivory, innovation also means an on-line consulting and assistance service. Safety and efficient operation are the main objective of this area, which is also designed to ensure maximum peace of mind and to provide quick, practical answers to all your questions.

TURBINES



FRONT LUBRICATION



HIGH PURITY OPTIC FIBRE FOR A SHADOW-FREE OPERATING AREA



ABOVE AVERAGE BUR GRIPPING FORCE



HIGH PURITY LIGHT CONDUCTOR FOR A SHADOW-FREE OPERATING AREA

Our innovative Silk Line turbines represent the ultimate in precision engineering. Just hold one in your hand and you will immediately appreciate its **comfortable and ergonomic grip**. Different models are available for a wide range of couplings to ensure **interchangeability with most common turbine brands**. There are Ivory turbine models for Kavo®, NSK®, Sirona® and BienAir® couplings.

23 Watts of power allow you to perform even the most challenging operations, thanks also to perfect weight distribution, an aerodynamic rotor design and the use of low friction ceramic bearings. And thanks to the turbine's extremely high torque, there is no risk of overheating or dangerous vibration.

The specially designed Silk Line rotor features a dual action chuck that grips the bur with a force of **over 40 Newtons**. The push-button operating mechanism nevertheless requires only 15 Newtons of pressure to release it. Scientific testing has shown that the chuck still applies a grip well above the minimum required by ISO standards even after 1500 sterilisation cycles.

A **high purity glass rod light conductor** reduces refraction while illuminating a large area. The result is impressively bright illumination with no shadows following the bur. **All our turbines can be disinfected in an autoclave at up to 135°C.**

Reduced size for greater freedom of movement

The compact dimensions of our standard head **permit easy access to even the most sensitive** and inaccessible parts of the oral cavity. The result is maximum precision and freedom of movement.

Unrivalled lightness

Ivory turbines are so light that you can perform even the toughest operations without any sensation of weight. This means **you can work without fatigue** and with maximum precision and optimise your own and your patients' comfort.



HEAD DIAMETER

12.5 mm

HEAD HEIGHT

13.1 mm

HANDPIECE WEIGHT

45/49 gr

Turbine REF. T501LK

Turbine REF. T501LN

Turbine REF. T501LS

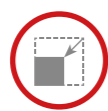
Turbine REF. T501LB

Turbine REF. S504M

CONTRA-ANGLES



LOW INSTRUMENT WEIGHT FOR VIBRATION-FREE FUNCTIONING



COMPACT DIMENSIONS FOR EASY ACCESS TO SENSITIVE AREAS OF THE ORAL CAVITY



COMPATIBLE WITH KAVO® INTRA HEADS



WEAR-RESISTANT BEARINGS

Advanced microtechnology means excellent manoeuvrability and **maximum reliability and precision**. Mechanical transmission organs are designed and made to the **lowest possible tolerances** in order to transmit the **power developed by the micromotor without loss** and without noise and vibration. Compact head dimensions permit **easy access to even the most sensitive and inaccessible parts** of the oral cavity.

A high purity glass rod light conductor reduces refraction while illuminating a large area. The result is impressively bright illumination with no shadows in the operating area. **All our contra-angles can be disinfected in an autoclave at up to 135°C.**

PROPHYLACTIC LINE

All the handpieces in this line feature **detachable heads** for easy and effective cleaning and maintenance. The special design of these contra-angle handpieces optimises your investment by allowing you to use **different, standard and reducing heads with the one handpiece.**



Contra-angle
REF. SL411L



Contra-angle
REF. SL421C



Contra-angle
REF. SL421L

RED MULTIPLYING LINE

The **freedom of movement permitted by the compact heads** of these contra-angle handpieces helps you achieve superb results with restorative treatments and prosthetic implants. Wear-resistant ceramic ball bearings guarantee an **extended lifetime and lower than average noise emissions**. Monobloc design means improved cleanliness and hygiene, quieter operation and a high level of manoeuvrability. Thanks to their robust design and noble metal casing, these contra-angles are extremely long-lasting and can be sterilised in an autoclave.

IMPLANTOLOGY LINE

Developed to satisfy the special needs of oral, stomatological and maxillofacial surgery and implantology, these surgical contra-angles feature a **robust but ergonomic design**. The special noble metal front casing **guarantees solidity and preserves the instrument against operating stresses** while the light alloy rear casing ensures lightness and perfect balance. To complement its advanced design and ergonomics, this handpiece can also be **disassembled into two parts** for easy cleaning and maintenance.



Contra-angle
REF. SL415C

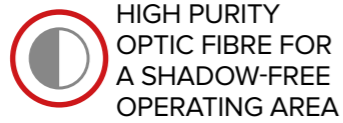
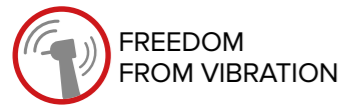


Contra-angle
REF. SL415L



Contra-angle
REF. SL4201C

STRAIGHT HANDPIECES



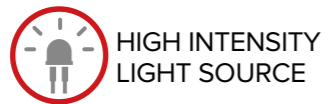
Choose the safest and most professional starting point for customising the way you work. The **great versatility of these handpieces** allows you to perform all kinds of dental operation with the benefit of lightweight, professional technology. **Light weight and vibration-free functioning** let you perform even the most challenging operations **without hand fatigue**.

Mechanical transmission organs are designed and made to the **lowest possible tolerances** in order to transmit the power developed by the micromotor without loss and without noise. A **high purity glass rod light conductor** reduces refraction while illuminating a large area. The result is impressively bright illumination.



**Straight
Handpiece
REF. SL211L**

MICROMOTORS



The Silk Line air micromotor delivers best in class performance from a **compact unit**. Its **innovative laminated rotor design** develops torque similar to that of an electric motor while guaranteeing far superior reliability. Thanks to a **speed of 25,000 rpm**, simplicity of use, LED illumination and ultra-light weight, these micromotors are ideal for most kinds of operation.

A steel surface ensures an extended lifetime and makes the micromotor completely **autoclave compatible and sterilisable at 135°C**. Speed and direction are controlled by a ring at the base of the micromotor. Powerful but lightweight, these micromotors represent the latest development in a new generation of innovative, reliable and top quality products.

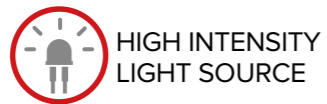


**Micromotor
REF. M714C**



**Micromotor
REF. M714L**

COUPLINGS



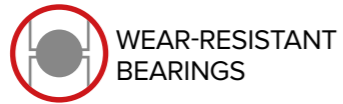
To complete your Silk Line turbines, you can choose from a range of couplings compatible with **most quick connector types on the market today**. Choosing the same coupling as on your existing equipment ensures the interchangeability of your instruments and optimises your investment. Instruments can be **rotated through 360°** and benefit from an **LED light source** for flexible performance. The light source guarantees high intensity illumination of the operating area for over 50,000 hours.

HEADS



This high level of versatility permits **quick and effective maintenance** and lets you replace a damaged head with a new one without having to interrupt an operation if the need occurs. The front bearing features an integrated reinforcement bushing to absorb stress during strenuous operations and guarantee the concentricity of the rotor at all times.

PRODUCT CODE	SL611C	SL621C	SL681C	SL631C	SL620X	SL633Y	SL621P	SL653C
Indications	STANDARD	STANDARD	STANDARD	SURGERY	SURGERY	ENDODONTIC	PROPHYLAXIS	PROPHYLAXIS
Kavo® comp. code	68LH/LDN	67LH	80LD-L80	CL3	S201	3LDSY-L3Y	31LR-L31	53LDN-L53
Max speed (RPM)	40000	20000	40000	10000	10000	5000	3000	3000
Ratio	1:1	2:1	1:1	3:1	3:1	UD04	1:1	BF60
Type of movement	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	UP/DOWN 0,4 mm	STANDARD	TWIST 60°
Head diameter (mm)	9,5	9,5	9,4	9,8	9,8	9,8	8	9,45
Head height (mm)	11,6	11,6	9,5	10	10	9,9	7,95	9,5
Bur diameter (mm)	2,334/2,350	2,334/2,350	1,6	2,334/2,350	2,334/2,350 (hexagonal)	3,5/4 (ENDO)	SNAP-ON	2,334/2,350



The small size of the Ivory heads fitted to Silk Line prophylactic and endodontic contra-angles ensures easy access to preparation sites at the rear of all quadrants. Ivory heads are compatible with all Ivory and Kavo® contra-angles.

Thanks to the Rotostop locking system, **heads can be removed and changed** quickly and easily on all prophylactic line instruments to give the desired reduction ratio.



Head REF. SL611C Head REF. SL621C Head REF. SL681C Head REF. SL631C Head REF. SL620X Head REF. SL633Y Head REF. SL653C Head REF. SL621P

AIR-FLOW HANDPIECES



Prophylaxis plays an essential role in preventing pathologies of the oral cavity, but to be effective, it requires the use of user-friendly, professional instruments. Ivory's Prophy Silk air-driven dental polisher uses sodium bicarbonate powder and is delicate on the enamel. The Prophy Silk polisher is ideal for removing plaque, treating discolouration and for general cleaning. The principle of functioning is based on the mechanical action of a flow of sodium bicarbonate crystals that is accelerated in a jet of compressed air and water and dissolved to form a high-power spray. The jet expelled from the tip produces a powerful cleaning effect and is pleasant for the patient too. This easy to use instrument is ideal for dentists and dental hygienists alike.

Thanks to the quick connector for the cord of your dental unit, you can perform consecutive prophylactic treatments more rapidly and achieve excellent results on all your patients. Separate instruments with trailing power supplies will be a distant memory.

Unrivalled lightness

Reduced weight, compact design and an ergonomic narrowing in the body give the handpiece an excellent natural grip and help you to adopt an ergonomically correct posture, avoiding the hand cramps caused by unnatural hand positions. The hermetically sealed sodium bicarbonate container is made from a tough polymer and can be refilled with powder easily and safely. The handpiece can be disinfected in an autoclave at up to 135°C for maximum hygiene.

Unrivalled lightness

A special nozzle design generates a jet in the form of an inverted champagne glass. This avoids powder dispersal and ensures continuous rinsing of the oral cavity. The tip can rotate through 360° to permit rapid and effective cleaning even in areas of difficult access. The tip can be disinfected in an autoclave at up to 135°C for maximum hygiene.



Air-flow
Handpieces
REF. P900N

Air-flow
Handpieces
REF. P900S

Air-flow
Handpieces
REF. P900W

Air-flow
Handpieces
REF. P900K

Air-flow
Handpieces
REF. P900B

LUBRICANT OIL

The Ivory range of lubricants is universally recognised for its unrivalled degreasing and cleaning power. The elimination of overheating in moving parts, the prevention of deposits, lower consumption and running costs, extended instrument life, zero thermal stress and oxidation, better performance and fewer technical assistance callouts are just some of the benefits of using these oils.

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Adapter for turbines and micromotors
REF. CL5.001V



Adapter for contra-angles and heads
REF. LIV1013



Silk Oil lubricant oil
REF. OL101S

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Visit our website, www.ivory-dent.com to view our video tutorials and learn how to save money by avoiding unnecessary damage to your instruments.

To request technical assistance, focus on the QR code on the box your handpiece came in and enter your request. Ivory's specialist technical assistance service will guide you towards the best solution to your problem in the shortest time possible.

www.ivory-dent.com