

Perfection right down to the finest detail

Handpieces and instruments – designed
to make work easier in your surgery



Thinking ahead. Focused on life.

Perfection right down to the finest detail – handpieces and instruments

“Good health is based upon a well-balanced mixture of qualities”

What Hippocrates said more than 2,400 years ago has to apply for dental craftsmanship right up to the present day if perfection is to be achieved. This mixture of qualities is the basis for our development projects. Cooperating on an interdisciplinary basis, our specialists work hand in hand with leading experts from specialist dental areas for the development of our handpieces and instruments. The result is out of the ordinary: Small, light, high-powered and ergonomic products which – in the truest sense of the word – make “light” of even the most complex forms of treatments.



Turbines



Motors



Straight handpieces and contra angles



Scalers



Polymerization lights



Hand instruments

Remarkably small

Bringing what is technically feasible into line with clinical demands has resulted in a minimization of dimensions for instrument heads whilst at the same time retaining the highest level of performance. This enables you to work efficiently with maximum visibility of the treatment area.

Exceptionally light

The compact design provides a high degree of handling comfort even during intensive use. At the same time, its low weight takes the strain off the muscles of the hand and fingers to ensure low-fatigue and comfortable work.

Extreme power

Thanks to ultra-modern development methods and the use of innovative technology, our instruments are particularly high-powered, rugged and operate with utmost precision even under heavy loads.

Ergonomically perfect form

During the development of these instruments, we also placed great value on efficient and comfortable handling. You too can profit from an instrument that rests safely and ergonomically in your hand in order to increase your fine tactility.

Performance you can rely on – twice-over

Precision and efficiency – primarily this is what really makes profitable preparation possible at all. The TwinPower turbine series is able to achieve maximum performance in all speed ranges because of its patented Morita twin rotors. With their performance data, they come very close to high-speed rotors despite air drive. It is not without reason that the TwinPower turbine series has received numerous awards and is considered to be the performance leader in this sector.



Convincing performance – twice-over: twin rotor technology

Turbines with standard rotors are often unable to meet a lot of performance demands with performance dropping off under heavy loads. With our patented twin rotor technology, we provide the intelligent answer to the demand for maximum possible performance output whilst at the same time retaining a small head. With very high torque and enor-

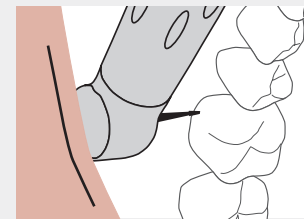
mous power, our TwinPower turbines guarantee the constant high removal rate that makes it possible to achieve a more precise, efficient and profitable preparation. At the same time, the low weight and ergonomic design are a guarantee for pleasant working conditions. This enables you to concentrate more effectively on your treatment.

Compatibility:

Morita KaVo NSK Sirona W&H

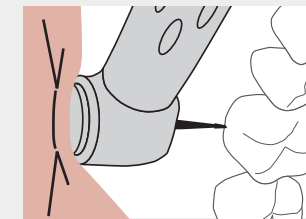
Clinical case examples

Treating caries on tooth 46
TwinPower Ultra E (PAR-4HUEX-O)



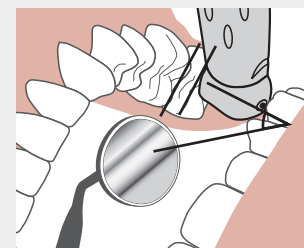
Its small turbine head enables you to work at right angles to a tooth even at the back of the mouth. Because of the small size of the TwinPower Ultra E's head, labial and buccal gums are not an obstruction.

Standard (TwinPower PAR-4HEX-O)



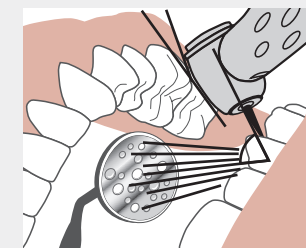
A standard head presses labial and buccal surfaces against the gums and can cause an uncomfortable feeling for the patient.

Trepanation on tooth 17
TwinPower Ultra M (PAR-4HUMX-O)








The TwinPower Ultra M makes it possible to operate on the molars or wisdom teeth without having to angle the drill and offers best possible view of the working area, even with patients who are not able to open their mouth very wide.

Standard (TwinPower PAR-4HEX-O)



With a standard head, the drill has to be applied at an angle in order to reach the treatment area. As a result, more tooth structure is removed than is necessary. The mirror gets wet in this position, reducing visibility.

Product name Type designation	TwinPower PAR-4HX-O	TwinPower PAR-4HEX-O	TwinPower PAR-4HEX-O-45	TwinPower Ultra E PAR-4HUEX-O	TwinPower Ultra M PAR-4HUMX-O
					
Output	25 W	22 W	20 W	20 W	18 W
Speed at 0.2 MPa	350,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm
Head diameter	12 mm	10.5 mm	10.5 mm	9 mm	9 mm
Head height	13.2 mm	13.2 mm	13.2 mm	12.7 mm	10.6 mm
Weight*	48 – 57 g	48 – 57 g	53 – 59 g	48 – 57 g	48 – 57 g
Spray nozzles	3	3	3 (no tip air)	3	1
Rotor blades	40	36	36	36	40
Light	✓	✓	✓	✓	✓
Air curtain	Air curtain	Air curtain	Double air curtain	5 openings	3 openings
Coupling systems	Morita (Art. 2530) KaVo (Art. 2530-100) Sirona (Art. 2530-200) W&H (Art. 2530-300) NSK (Art. 2530-400)	Morita (Art. 2531) KaVo (Art. 2531-100) Sirona (Art. 2531-200) W&H (Art. 2531-300) NSK (Art. 2531-400)	Morita (Art. 2531-045) KaVo (Art. 2531-145)	Morita (Art. 2541) KaVo (Art. 2541-100) Sirona (Art. 2541-200) W&H (Art. 2541-300) NSK (Art. 2541-400)	Morita (Art. 2540) KaVo (Art. 2540-100) Sirona (Art. 2540-200) W&H (Art. 2540-300) NSK (Art. 2540-400)
Operating pressure	0.20 – 0.29 MPa				
Zero suck-back	✓	✓	✓	✓	✓
Quick stop	✓	✓	✓	✓	✓

* depending on the coupling system



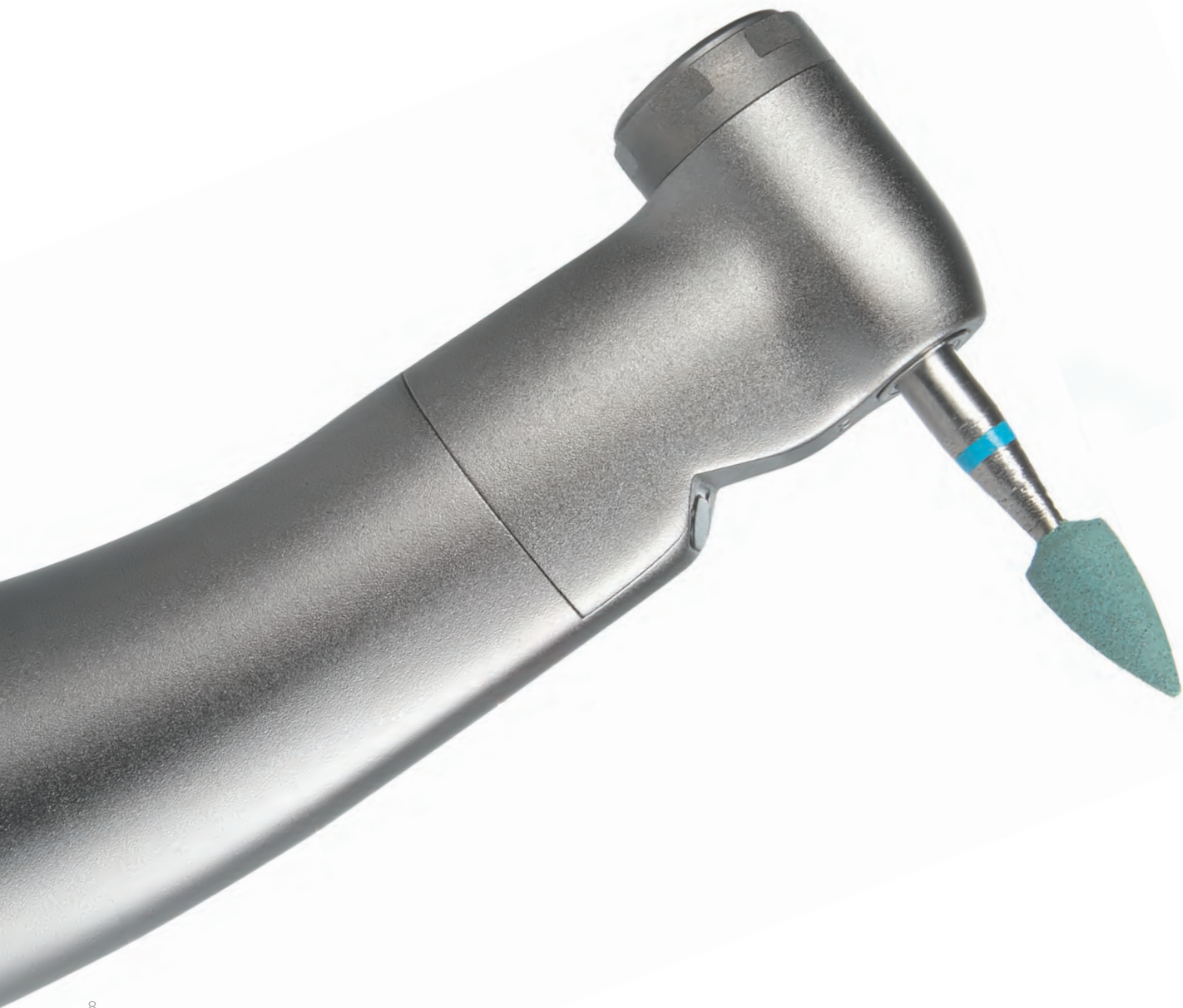
Smallest space, unlimited possibilities: Ultramini

Even smaller, even more powerful. The Ultramini TwinPower series combines a lot of advantages at the same time: Low weight, best view of the treatment area, adequate room for movement during treatment of the molars, but at the same time ideal access to the patient's mouth in pediatric and geriatric dentistry. Despite the extremely compact design of the turbines, standard burs up to a length of 20 mm can be fitted at an output of 20 watts. Because of its minimal construction size, the treatment area is always well in view. No other competitor is able to offer such a high performance in combination with a minimized head volume – the patented Morita twin rotors make it possible.

Make the 1-to-1 comparison: Simply place a turbine next to the TwinPower turbine (illustration in original size).

The perfect form of treatment at all times

Resting perfectly in the hand, surprisingly compact and tactile to benefit all types of treatment: Our TorqTech straight and contra angle handpieces. These properties, in combination with their extraordinary quality and comprehensive range, make our straight and contra angle handpieces the preferred instrument in modern dental medicine.



Uncompromising hygiene – but still economical

Extending the service life of your instruments, saving valuable time and – what is more – cutting costs: Precisely that is what you can achieve with our Lubrina maintenance unit, enabling you to clean and maintain all types of handpieces both rapidly and economically.



Time- and cost-saving efficiency

With the Lubrina maintenance system, up to four instruments can be prepared in only 100 seconds. In comparison to manual maintenance, this only uses one third of the otherwise usual quantity of maintenance oil. But even more important: it prevents excess oiling. Consequently, the maintenance system does not only save time and money, it also extends considerably the service life of the instruments.

Whether straight and contra angle handpieces, turbines or air scalars: Lubrina provides you with extremely efficient and fully automatic maintenance. At the same time, Lubrina uses the unique interval compressed air rinsing system. This ensures particularly efficient, rapid and thorough maintenance.



Designation Type no.	Model series TorqTech	Max. rpm Transmission ratio	Shaft Chuck type Light	Application	Length Weight Head Ø x height	Instrument spray
CA-5IF-O Art. 2450		max. 210,000 rpm 1:5	FG shaft Ø: 1.6 mm Pushbutton Light guide	Preparation	94 mm 68 g Ø: 9.5 mm x H: 14.0 mm	3-hole with spray filter
CA-DC-O Art. 2440		max. 42,000 rpm 1:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Prophylaxis	94 mm 67 g Ø: 9.5 mm x H: 13.3 mm	1-hole with spray filter
ST-DH Art. 2430		max. 42,000 rpm 1:1	HP shaft 2.35 mm or RA shaft with spacer No light	Preparation Prophylaxis Light technical work	84 mm 72 g –	1-hole
CA-10RC-ENDO Art. 2460		max. 2,000 rpm 10:1	RA shaft 2.35 mm Pushbutton No light	Endodontics (only Soaric)	94 mm 55 g Ø: 9.3 mm x H: 12.7 mm	No spray
CA-10RC Art. 2421		max. 4,200 rpm 10:1	RA shaft 2.35 mm Pushbutton No light	Preparation Endodontics Prophylaxis	94 mm 69 g Ø: 8.0 mm x H: 13.0 mm	1-hole
CA-10RC-O Art. 2420		max. 4,200 rpm 10:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Endodontics Prophylaxis	94 mm 67 g Ø: 8.0 mm x H: 13.0 mm	1-hole with spray filter
CA-4R-PP Art. 2415		max. 2,500 rpm 4:1	Screw-in shaft No light	Prophylaxis	94 mm 67 g Ø: 8.0 mm x H: 8.5 mm	No spray
CA-4R-O-PF Art. 2410		max. 10,500 strokes per min. 4:1	EVA/Laminated shaft Light guide	Stripping Debonding Root planing Finishing Prophylaxis	94 mm 67 g Ø: 7.8 mm x H: 9.1 mm	1-hole with spray filter
Designation Type no.	Model series Tokyo	Max. rpm Transmission ratio	Shaft Chuck type Light	Application	Length Weight Head Ø x height	Instrument spray
QL26B Art. 3115		max. 36,900 rpm	RA shaft 2.35 mm Pushbutton	Preparation Prophylaxis (Head for US 121L)	– 12 g Ø: 10.5 mm x H: 14.3 mm	–
US 121L Art. 3110		max. 41,000 rpm	Light guide	(Lower section for QL26B)	– 62 g –	1-hole
QL26B + US 121L Art. 03110		max. 36,900 rpm 1:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Prophylaxis	90 mm 74 g Ø: 10.5 mm x H: 14.3 mm	1-hole
ST 21U Art. 3100		max. 41,000 rpm 1:1	HP shaft 2.35 mm or RA shaft with spacer No light	Preparation Prophylaxis Light technical work	80 mm 70 g –	1-hole



Perfection – tailor-made

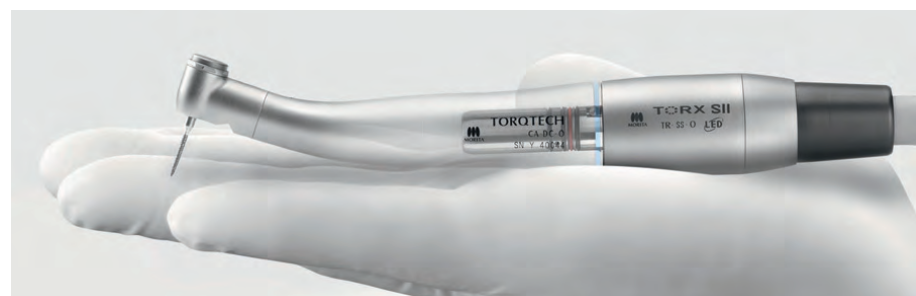
The slimline design makes a significant contribution to improving work efficiency and its small instrument head provides you with better access to molar regions and, at the same time, a better view of the treatment area. With their unique and optimum form, the TorqTech straight and contra angle handpieces make relaxed treatment a reality – to the benefit of both you and your patients.

Quality from its best side

With their high-precision, heavy-duty transmission systems, TorqTech handpieces and contra angles are in a class of their own when it comes to running quietly and quality. The grip and longevity of the ceramic surfaces are a convincing argument for their use. The exchangeable tips are fastened into place tight and secure by the high-quality chuck. Take a look at the wide range of applications and the extensive choice of products and convince yourself of the advantages they can offer.

Little masterpieces – finest engineering

Light, compact, high-powered and ergonomic: Thanks to our micro and air motors, you can create one of the main requirements for gentle and effective treatment – to the advantage of you and your patients.



Maximum force right down to the smallest detail

Distinguishing features of our Torx series motors include convincing performance data and exceptional running smoothness – at both high and low speeds – guaranteeing the highest level of efficiency and profitability. At the same time, the compact design and low weight ensure maximum treatment comfort – a feature you certainly wouldn't want to miss any more.

42 millimeters of pure force: Torx micro motors

Setting the standard for technology, performance and durability: the brushless motors of the Torx series. With a length of just 42 mm and a weight of only 68 g, they cover a speed range from 100 rpm to 40,000 rpm and assist you effectively with standard applications such as grinding and preparation.

42 mm



Fresh wind for your treatment procedure: AirTorx air motors

Anyone looking for a motor which is really convincing at all speeds will appreciate the power of AirTorx. Precisely at low speed around 5,000 rpm, it provides a powerful performance that is unrivalled in this field. The advantages

of this unique technological highlight are made particularly evident during grinding work, prophylaxis, surgical treatment or extraoral applications.



Product name Type designation	Torx SII / SII-R TR-SII-O / TR-SII-R-O	Torx TR-91 TR-91-O	AirTorx TRA-200
Design	Brushless, electric driven	Brushless, electric driven	Pneumatic driven
Light source	Problem-free replaceable LED illuminant	Optional halogen or LED illuminant in plug-in socket	No light
Speed range	100 – 40,000 rpm	100 – 40,000 rpm	100 – 40,000 rpm
Operation	Treatment unit operating panel and foot control	Treatment unit operating panel and foot control	Treatment unit operating panel and foot control, additional speed setting on handpiece Rotational direction selection on handpiece
Safety	Handpiece/contra angle locked in place mechanically to prevent unintentional release	–	Handpiece/contra angle locked in place by "Double Lock" to prevent unintentional release
Air and water supply lines	Integrated	Integrated	Integrated
Weight of the handpiece	68 g	95 g	75 g
Handpiece dimensions	Ø: 22.0 mm L: 42.0 mm	Ø: 22.0 mm L: 60.0 mm	Ø: 20.0 mm L: 54.0 mm
Adjustable torque	✓	–	–
Integrated endo-function	TR-SII-O: – TR-SII-R-O: measurement function Auto Torque Control Auto Apical Control	–	–
Hygiene	Motor casing removable and sterilizable and/or thermo-disinfectable	Motor casing removable and sterilizable and/or thermo-disinfectable	Motor completely sterilizable and/or thermo-disinfectable
Compatibility	The following Morita treatment units are fitted with these micro motors: EMCIA UP: TR-SII-O Soaric TR-SII-O and/or TR-SII-R-O All straight and contra angle handpieces with ISO connectors can be used.	The following Morita treatment units are fitted with these micro motors: Signo Treffert Actus 101 All straight and contra angle handpieces with ISO connectors can be used.	The motor can be connected without problem to the turbine connection of all treatment units All straight and contra angle handpieces with ISO connectors can be used.



A simply moving form

Ergonomics play a central role in the development of our products – so that whatever the treatment, you can profit from more efficiency and comfort. The best example: Our motors which rest perfectly in your hand because of their well-balanced and particularly

light construction. This is the best possible way of preventing muscles getting tired. In addition, their sophisticated and fail-proof technology is a further distinguishing feature – a guarantee for a long service life.

Good vibrations for perfect cleanliness

With their highly perfected form, our scalars are tuned precisely to every-day dental practice and its wide range of challenges. All different forms of deposits, scale and plaque are removed quickly and carefully. Irrespective of whether you choose the air-powered AirSolfy or the ultrasonic-based SC-3000/3000-O-LD both instruments have got one thing in common: Their easy handling simplifies even the most complex work stages.



Simply a quick and clean solution

Morita's ultrasonic scalars are not only easier on your patients. They also provide you with a pleasant working atmosphere.

Ultra-intensive – ultra-soft

The removal of tartar and other deposits has to be agreeable for both sides: For the patient and the dental practitioner. Using a variety of settings, you can control the vibrations of the ultrasonic scalars.

Patient-friendliness

With the "soft" mode, the ultrasonic scaler stops automatically under excess loads and ensures that the patient experiences a comfortable and pleasant treatment process. In addition, the ultrasonic scaler has an adjustable spray function, and the SC-3000-O-LD also has an LED light.



Scalars: Specifications

Product name Type designation	AirSolfy AS2-4H-O-V	Solfy LED SC-3000-O-LD	Solfy SC-3000
Design/Technology/Drive	Air scaler	Piezoelectric	Piezoelectric
Description	Pneumatically driven handpiece for the removal of deposits and tartar	Built-in version with LED instrument light	Built-in version
Oscillating frequency	5,500 – 6,500 Hz	27 kHz ± 2 kHz	27 kHz ± 2 kHz
Oscillating amplitude	max. 200 µm	max. 200 µm	max. 200 µm
Oscillating form	elliptical	linear	linear
Compatibility	Compatible with all treatment units using Morita quick couplings CP4-WO or CP4-WLD The thread of the sound tips of nearly all air scalars also fits the air scalars from Morita	For treatment units ▪ EMCIA UP ▪ Soaic	For older models of Morita treatment units
Flexibility	Handpiece rotates freely through 360° on the coupling	-	-
Handpiece Ø Handpiece length	Ø: 15.0 mm L: 105.0 mm	Ø: 19.2 mm L: 129.0 mm	Ø: 19.2 mm L: 129.0 mm
Weight	65 g	55 g	45 g

Ultrasonic tips for Morita ultrasonic scalars SC-3000/SC-3000-O-LD

Designation Art. no.	Illustration	Application
Universal tip Art. 2465-001		Removal of tooth cement, general tartar removal
Flat tip Art. 2465-010		General removal of large areas of tartar
Straight tip Art. 2465-002		Removal of tooth cement, general tartar removal
Root canal tip Art. 2465-003		Removal of tooth cement and residue from the root canal Planing root canal walls

Designation Art. no.	Illustration	Application
Removal tip Art. 2465-013		Removal of crowns, pins or cement residue
Root planing tip R Art. 2465-011		Periodontology
Root planing tip L Art. 2465-012		Periodontology
Alveolus separation during extraction Art. 2465-014		Surgery

Various attachments for endo-tips A or B

Designation Art. no.	Illustration	Application
Solfy attachment Art. 2466-020		Cleaning small fissures, hollow spaces or grooves before sealing
Round attachment Art. 2465-005		Removal of subgingival tartar or plaque
Fissure tip (6 pcs./pack) Art. 2465-007		Cleaning fissures

Designation Art. no.	Illustration	Application
Point L Art. 2466-030 diamond		Endodontics
Point S Art. 2466-031 diamond		Endodontics

Adapters for endo-files and other attachments

Designation Art. no.	Illustration	Application
Endo-tip A (120°) Art. 2466-001		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment
Endo-tip B (90°) Art. 2466-002		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment

Designation Art. no.	Illustration	Application
Set with endo-tip A (105°) Art. 2466		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment
Set with endo-tip B (90°) Art. 2466-B		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment

Adapters for 24G rinsing cannulae

Designation Art. no.	Illustration	Application
Rinsing connector Art. 2465-020		Cleaning of periodontal pockets Root canal cleaning

Solfy U-file for endo-tip A or B

Designation Art. no.	Illustration	Application	Designation Art. no.	ISO color marking
Solfy file range consisting of: 1 x ISO no. 15 1 x ISO no. 20 1 x ISO no. 25 1 x ISO no. 30 1 x ISO no. 35 1 x ISO no. 40		Use with ▪ Endo-tip 105° ▪ Endo-tip 90°	Art. 2466-013, 6 x ISO no. 10	ISO color marking: purple
			Art. 2466-013, 6 x ISO no. 15	ISO color marking: white
			Art. 2466-013, 6 x ISO no. 20	ISO color marking: yellow
			Art. 2466-013, 6 x ISO no. 25	ISO color marking: red
			Art. 2466-013, 6 x ISO no. 30	ISO color marking: blue
			Art. 2466-013, 6 x ISO no. 35	ISO color marking: green
Art. 2466-013, 6 x ISO no. 50	ISO color marking: black			




Adapters for endo-files and other attachments

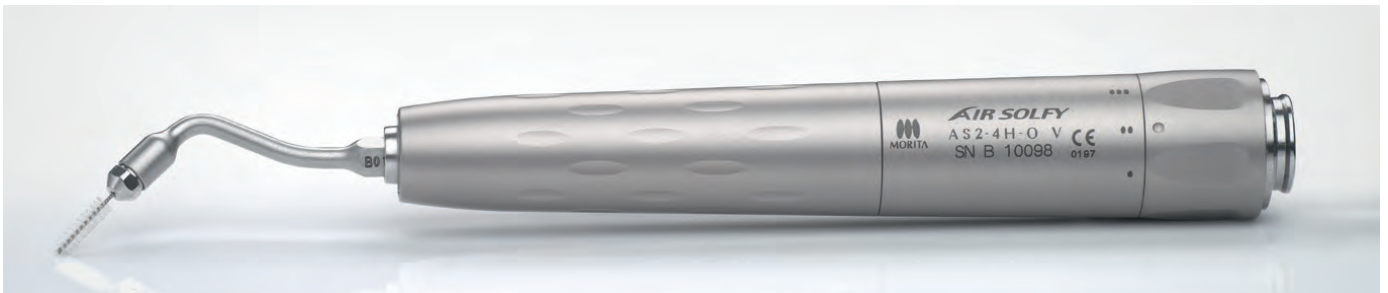
Designation Art. no.	Illustration	Application	Compatibility
Type S01 Art. 2555-100		Universal work tip for tartar removal	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S02 Art. 2555-200		Universal work tip for tartar removal	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S03 Art. 2555-300		Universal work tip for tartar removal	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type Scorpion Art. 2469-000		Universal work tip for tartar removal	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R01 Art. 2555-510		Universal work tip for root planing	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R02 Art. 2555-520		Universal work tip for root planing	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R03 Art. 2555-530		Universal work tip for root planing	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
Holder for interdental brushes Art. 2555-900		Interdental cleaning	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
100 interdental brushes Type SSS Art. 2555-910		Interdental cleaning	For brush holder Art. 2555-900
100 interdental brushes Type SS Art. 2555-911		Interdental cleaning	For brush holder Art. 2555-900
Holder for tongue brushes Art. 2466-910		Tongue cleaning	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
30 tongue brushes Art. 2466-920		Tongue cleaning	For tongue brush holders Art. 2466-910

Orthodontics

Designation Art. no.	Illustration	Application	Compatibility
Holder for interdental brushes Art. 2555-900		Cleaning of brackets	All standard air scalars (Morita, KaVo, Sirona, W&H, Komet, NSK)
100 interdental brushes Type SSS Art. 2555-910		Cleaning of brackets	For brush holder Art. 2555-900
100 interdental brushes Type SS Art. 2555-911		Cleaning of brackets	For brush holder Art. 2555-900

Scalers: Specifications

Product name Type designation		AirSolfy AS2-4H-O-V	Solfy LED SC-3000-O-LD	Solfy SC-3000
				
Hygiene		Sterilizable (autoclaveable) Thermo-disinfectable Hygienic, ceramic-coated surface	Sterilizable (autoclaveable)	Sterilizable (autoclaveable)
Applications	Prophylaxis	<ul style="list-style-type: none"> Plaque removal Interdental care Tongue care 	<ul style="list-style-type: none"> Plaque removal Removal of subgingival plaque 	<ul style="list-style-type: none"> Plaque removal Removal of subgingival plaque
	Scaling	<ul style="list-style-type: none"> Tartar removal Periodontology (root planning) 	<ul style="list-style-type: none"> Tartar removal Periodontology (root planing) Removal of subgingival tartar Rinsing/disinfection of periodontal pockets 	<ul style="list-style-type: none"> Tartar removal Periodontology (root planing) Removal of subgingival tartar Rinsing/disinfection of periodontal pockets
	Endodontics	<ul style="list-style-type: none"> Root canal rinsing 	<ul style="list-style-type: none"> Root canal rinsing Removal of residue Planing of canal walls Root canal preparation Removal of tooth cement Removal of crowns Removal of pins Cleaning fissures Surgery 	<ul style="list-style-type: none"> Root canal rinsing Removal of residue Planing of canal walls Root canal preparation Removal of tooth cement Removal of crowns Removal of pins Cleaning fissures Surgery
Performance control		Step-free on handpiece and/or foot control	Via the Soaric operator panel: <ul style="list-style-type: none"> 25 performance stages 4 performance ranges 3 operating modes Via the EMCIA operator panel: <ul style="list-style-type: none"> 15 performance stages 3 performance ranges Autotuning Autopower	<ul style="list-style-type: none"> 15 performance stages 3 performance ranges Autotuning Autopower
Operating modes		—	Soaric: Boost, scaling, endo, perio EMCIA: Root canal treatment, scaling, crown removal	Root canal treatment, scaling, crown removal
Control		Performance control on handpiece and by foot control of the treatment unit	Control on operator panel and by foot control of the treatment unit	Control on operator panel and by foot control of the treatment unit
Spray		Spray control on the quick connector and via the treatment unit	Spray control on the treatment unit	Spray control on the treatment unit
Number of tips		7 sound tips 2 brush holders 2 interdental brushes 1 tongue brush	8 ultrasonic tips 2 tip holders 5 attachments and tips 7 endo-files 1 rinsing adapter	8 ultrasonic tips 2 tip holders 5 attachments and tips 7 endo-files 1 rinsing adapter
Upgrade		Adaptable without problem to the Morita quick connector of the turbine connection of any random treatment unit. This makes it possible for a quick change from turbine to scaler by changing the handpiece.	—	—
Instrument light		Fiberglass light guide, exchangeable illuminant in the quick connector	Fiberglass light guide, exchangeable LED in the quick connector	—



AirSolfy – winner on points against resistance

Our air-driven AirSolfy offers a complete range of functions for perfect cleaning of the oral cavity. With it, all interdental spaces and the tongue can be cleaned comprehensively. This is made possible by the ergonomically designed hand-piece where you can make a direct selection of intensity settings and adjust pressure accordingly during treatment.

Diversity for perfect work

With the interdental brushes you can effectively remove plaque in otherwise difficult to reach interdental spaces, while at the same time protecting the soft tissue and gingiva. An additional aid in this respect is also the halogen or LED light which perfectly illuminates the working area for ideal visibility. Along with the various interdental brushes, we are also able to offer you scaler tips, root planing attachments and tongue brushes to round

off prophylactic treatment. Alongside the various instrument advantages you have with our air scaler, you also have a very personal one: Its quiet operation also guarantees a pleasant atmosphere – perfect for you and your patients.

Polymerization lights with real highlights

A distinctive feature of the PenCure polymerization lights is their outstanding performance providing excellent results in the shortest possible time. This is guaranteed by the parallel light rays which provide a constant performance at variable depths. In this way, PenCure and PenCure 2000 put a smile not only on your face, but also on the faces of your patients.



Arguments that become immediately apparent

The lighting time of the PenCure polymerization lights can be selected as required to ensure optimum adjustment to actual treatment conditions. Different operating modes are available for even greater flexibility to the varying conditions during dental treatment, such as the high-power mode: With this, PenCure 2000 only needs 3 seconds for curing whilst operating with high clinical effectiveness.

Our polymerization lights highlight the treatment area above all under unfavorable visibility and space conditions such as the molar area. All PenCure models are extremely compact and with their rotating heads guarantee comfortable working conditions. PenCure 2000 can be adapted for different treatments – for example for standard composites, light composites and bleaching.

Polymerization lights: Specifications

Product name Type designation	PenCure VL-7	PenCure 2000 VL-10	DentaPort LED-Modul DP-VL	VL-61-CU	VL-61-CU-N	PenCure 2000 VL-10-CU
	Even energy distribution right into the fringe areas					
	Bundled light ray with optical lens (no light guides)					
Optics	Optics rotatable through 270°	Optics rotatable through 270° Exchangeable contra heads	Optics rotatable through 300°	–	Optics rotatable through 300°	Optics rotatable through 270° Exchangeable contra heads
	79% light power remaining at distance of 5 mm	80% light power remaining at distance of 5 mm	Maximum light power at 5 mm distance; 80% light power remaining at distance of 10 mm	79% light power remaining at distance of 5 mm	80% light power remaining at distance of 10 mm	80% light power remaining at distance of 5 mm
Operation/Display	Foil keys and LED display	Operator-friendly color LC display	Operator panel and optional foot control, large color LC display	Operator panel and foot control on the treatment unit	Operator panel and foot control on the treatment unit	Operator-friendly color LC display
Design	Cable-free handpiece with worktop charging station	Cable-free handpiece with worktop charging station Contact-free charging in worktop charging station	Hose-connected handpiece with battery-operated worktop unit and charging unit	Hose-connected handpiece as alternative version for Signo Treffert	Hose-connected handpiece as alternative version for EMCIA UP	Cable-free handpiece as alternative version for Soaric Contact-free charging in instrument holder

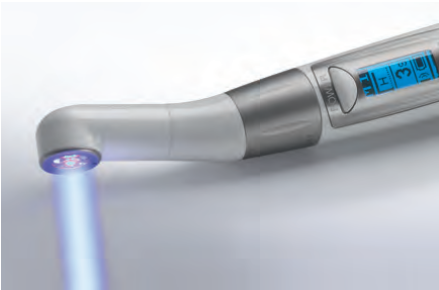
Polymerization lights: Specifications

Product name Type designation	PenCure VL-7	PenCure 2000 VL-10	DentaPort LED-Modul DP-VL	VL-61-CU	VL-61-CU-N	PenCure 2000 VL-10-CU
Light source	Multi-segment LED					
Light-wave length range	420 – 480 nm	380 – 430 nm: Teeth whitening and hardening of light composites 430 – 490 nm: Hardening of standard composite	420 – 480 nm	420 – 480 nm	420 – 480 nm	80 – 430 nm: Teeth whitening and hardening of light composites 430 – 490 nm: Hardening of standard composite
Light intensity	1,000 mW/cm ²	1,000/2,000 mW/cm ² selectable	1,000 mW/cm ²	1,000 mW/cm ²	1,000 mW/cm ²	1,000/2,000 mW/cm ² selectable
Programs	None	4 programs: High power Normal mode Pulse mode Step mode	3 programmable memory slots	None	None	4 programs: High power Normal mode Pulse mode Step mode
Exposure times	Integrated timer 10/20/40 sec.	Integrated timer 2/3/10/20 sec.	Integrated timer 5/10/15/20/25/30/35/40 sec. manual	5/20 sec. manual	5/20 sec. manual	Integrated timer 2/3/10/20 sec.
Handpiece power supply	Lithium-ion battery can be changed without problem by dentist	Lithium-ion battery, can be changed without tools, contact-free charging	Corded Battery in worktop unit	Corded	Corded	Lithium-ion battery, can be changed without tools, contact-free charging
Power saving	Auto-standby	Auto-standby	Auto-standby	–	–	Auto-standby
Battery capacity	Approx. 60 lighting cycles à 20 sec.	Approx. 400 lighting cycles à 3 sec.	Approx. 180 lighting cycles à 20 sec.	–	–	Approx. 400 lighting cycles à 3 sec.
Battery charge status display	LED	Multistage in the handpiece display	Multistage in the handpiece display	–	–	Multistage in the handpiece display
Weight of the handpiece	98 g incl. battery	198 g incl. battery	98 g incl. battery	60 g incl. battery	60 g incl. battery	198 g incl. battery
Head dimensions	Ø: 15.0 mm H: 14.7 mm	Ø: 15.2 mm H: 14.7 mm	Ø: 15.5 mm H: 16.0 mm	Ø: 15.0 mm H: 14.0 mm	Ø: 15.5 mm H: 16.0 mm	Ø: 15.2 mm H: 14.7 mm
Handpiece dimensions	Ø: 24 mm L: 199 mm	Ø: 25 mm L: 205 mm	Ø: 18 mm L: 165 mm	Ø: 18 mm L: 148 mm	Ø: 18 mm L: 175 mm	Ø: 25 mm L: 205 mm
Integrated protection against overheating	Electronic	Electronic	Electronic	Air-cooled via instrument hose	Air-cooled via instrument hose	Electronic
Hygiene	Disposable protective covers					
Extras	–	Exchangeable heads 380 – 430 nm and/or 430 – 490 nm	Apex locator DentaPort RootZX Root canal preparation motor DP-TR-ZX	–	–	Exchangeable heads 380 – 430 nm and/or 430 – 490 nm

Green light for blue power

With their constant performance, our polymerization lights allow a maximum of efficiency: State-of-the-art LED technology is a guarantee for consistent curing in just seconds. And all of this with silent operation, low heat buildup and low energy consumption. Responsible for this performance is a specially developed, particularly depth-intensive lamp with parallel bundled light ray

which ensures constant performance at different depths without any stray light loss. At its heart: the blue LED. Despite this performance, the lithium-ion battery provides energy for up to 400 lighting cycles, the PenCure lamp itself achieves a service life of up to 10,000 hours – an impressively long period of time for efficient work.



Each instrument is part of a perfect orchestra

Dentistry work combines craftsmanship with scientific know-how. With our hand instruments and their excellent handling, you can combine these two disciplines with each other to an optimum degree.

Reduced to a maximum

The oral cavity is a highly complex and, above all, sensitive area. For this reason, it is all the more important that the dental practitioner's hand instruments are easy to use and function with absolute precision. They are intended to make work easier and assist diagnostics and therapy to the best possible degree. This starts with the correct ergonomics and goes way beyond the appropriate choice of materials. Above all, it is important for

us that our instruments serve both: the dentist and, of course, the patient – a decisive factor for the successful achievement of any treatment. The more careful and protective this cooperation functions, the better the result will be. With Morita, you as dental practitioner have the instruments in your hand that are reduced to a maximum: Far away from impractical design, and well-conceived for practical application.



Product name Type designation	Oral mirror MXS Ultra-bright, front-mirrored Art. 6012	Probe 23-B-S Art. 6025	Periodontal probe FDI (CPITN-C) Art. 6110
Description	The metal surfaces are non-dazzling. The mirror is ultra-bright and surface-mirrored. The end of the handle is provided with a scale for the KIG and suitable for gauging endo-files. <ul style="list-style-type: none"> ▪ Mirror diameter of only 14 mm ▪ Weight of only 4 g ▪ Instrument length: 16 cm 	Increases tactility in the hard tissue, ideal for probing from the (Beach) 12 o'clock position. <ul style="list-style-type: none"> ▪ Weight: 10 g ▪ Surface: non-dazzling ▪ Instrument length: 14.2 cm 	Improves tactility in the soft tissue during pocket depth measures; WHO compliant. <ul style="list-style-type: none"> ▪ Weight: 3 g ▪ Non-dazzling metal surface ▪ Instrument length: 13.1 cm
Product name Type designation	Scaler No. 1 Art. 6031	Scaler No. 2 Art. 6032	Scaler No. 3 Art. 6033
Description	Work tips specially adapted to match the root form; designed for controlled finger movements during scaling. <ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 12 g ▪ Surface: non-dazzling ▪ Instrument length: 13.2 cm 	<ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 13 g ▪ Surface: non-dazzling ▪ Instrument length: 14.8 cm 	<ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 13 g ▪ Surface: non-dazzling ▪ Instrument length: 14.6 cm
Product name Type designation	Forceps, B-type Art. 6015	Extraction forceps U (upper jaw) Art. 6172 Extraction forceps L (lower jaw) Art. 6173	Amalgam Carver B Art. 6050
Description	Along with the normal forceps function, suitable for grasping round items such as paper tips, gutta percha tips etc. <ul style="list-style-type: none"> ▪ Weight: 21 g ▪ Instrument length: 16.1 cm ▪ Surface: non-dazzling 	Forceps specially adapted to match the root form; suitable for gentle extraction. Particularly designed for the Beach extraction method where the practitioner, sitting in the 12 o'clock position, can make the extraction with the patient lying down. Only one form for all teeth of the upper and lower jaws. <ul style="list-style-type: none"> ▪ Weight: 196 g ▪ Surface: non-dazzling ▪ Instrument length: 17.5 cm 	<ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 15 g ▪ Surface: non-dazzling ▪ Instrument length: 16 cm

Diagnostic and Imaging Equipment

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