

## 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



Straight handpieces and  
contra angles



Scalers



Oral mirror

### **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 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



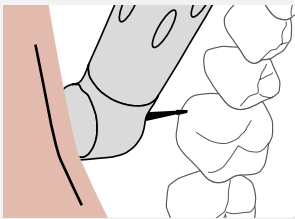
**Smallest space, unlimited possibilities: Ultramini**

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)

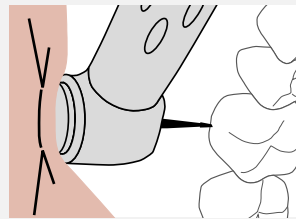
# Clinical case examples

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



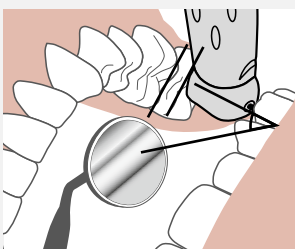
Its small turbine head enables you to work at right angles to a tooth even at the back of the mouth. Because of the small size of the TwinPower Ultra E's head, labial and buccal gums are not an obstruction.

Standard (TwinPower PAR-4HEX-O)



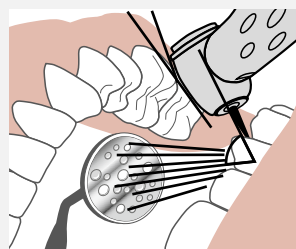
A standard head presses labial and buccal surfaces against the gums and can cause an uncomfortable feeling for the patient.

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.



## Turbines: Specifications

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
					
<b>Output</b>	25 W	22 W	20 W	20 W	18 W
<b>Speed at 0.2 MPa</b>	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
<b>Head diameter</b>	12 mm	10,5 mm	10,5 mm	9 mm	9 mm
<b>Head height</b>	13,2 mm	13,2 mm	13,2 mm	12,7 mm	10,6 mm
<b>Weight*</b>	48 – 57 g	48 – 57 g	53 – 59 g	48 – 57 g	48 – 57 g
<b>Spray nozzles</b>	3	3	3 (no tip air)	3	1
<b>Rotor blades</b>	40	36	36	36	40
<b>Light</b>	✓	✓	✓	✓	✓
<b>Air curtain</b>	Air curtain	Air curtain	Double air curtain	5 openings	3 openings
<b>Coupling systems</b>	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)
<b>Operating pressure</b>	0,20 – 0,29 MPa				
<b>Zero suck-back</b>	✓	✓	✓	✓	✓
<b>Quick stop</b>	✓	✓	✓	✓	✓

### Further information on TwinPower Turbine



\* depending on the coupling system

Straight and contra angle handpieces

# The perfect form of instruments 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 of instruments, make our straight and contra angle handpieces the preferred instrument in modern dental medicine.















**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 – to the benefit of your patients.

**Quality from its best side**

With their high-precision, heavy-duty transmission systems, Morita’s 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 instruments are fastened into place tight and secure by the high-quality chuck. Take a look at the wide range of instruments and the extensive choice of products and convince yourself of the advantages they can offer.

## Straight and contra angle handpieces: Specifications

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-5IF-O-UM Art. 2451		max. 210,000 rpm 1:5	FG shaft Ø: 1.6 mm Pushbutton Light guide	Preparation	93 mm   66 g Ø: 8.9 mm x H: 12.1 mm	1-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
STDH 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

# Uncompromising hygiene – and economical

Extending the service life of your instruments, saving valuable time and – what is more – cutting costs: Exactly these requirements are met by the Lubrina maintenance unit, enabling you to clean and maintain all types of handpieces 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 scalers: 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.



# Good vibrations for perfect cleanliness

With their highly perfected form, our scalers are tuned precisely to everyday dental practice and its wide range of challenges. All different forms of deposits, scale and plaque are removed quickly and carefully.

Morita's ultrasonic scalers 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 scalers.








### Scalers: Specifications

<b>Product name</b> Type designation	Ultrasonic Scaler Solfy Solfy LED SC-7000-O		
<b>Design/Technology/Drive</b>	Piezoelectric		
<b>Description</b>	Built-in version with LED instrument light		
<b>Oscillating frequency</b>	28 kHz ± 4 kHz		
<b>Oscillating amplitude</b>	max. 200 µm		
<b>Oscillating form</b>	linear		
<b>Compatibility</b>	for treatment units <ul style="list-style-type: none"> <li>▪ EMCIA UP</li> <li>▪ Soaric</li> <li>▪ Signo T500</li> </ul>		
<b>Flexibility</b>	–		
<b>Handpiece Ø</b> <b>Handpiece length</b>	Ø: 19,0 mm L: 90,0 mm		
<b>Weight</b>	68 g		
<b>Hygiene</b>	Sterilizable (autoclaveable)		
<b>Applications</b>	Prophylaxis <ul style="list-style-type: none"> <li>▪ Plaque removal</li> <li>▪ Removal of subgingival plaque</li> </ul> Scaling <ul style="list-style-type: none"> <li>▪ Tartar removal</li> <li>▪ Periodontology (root planing)</li> <li>▪ Removal of subgingival tartar</li> <li>▪ Rinsing/disinfection of periodontal pockets</li> </ul>		
		<b>Endodontics</b>	<ul style="list-style-type: none"> <li>▪ Root canal rinsing</li> <li>▪ Removal of residue</li> <li>▪ Planing of canal walls</li> <li>▪ Root canal preparation</li> <li>▪ Removal of tooth cement</li> <li>▪ Removal of crowns</li> <li>▪ Removal of pins</li> <li>▪ Cleaning fissures</li> <li>▪ Surgery</li> <li>▪ optional Apex Locator after WK preparation</li> </ul>
		<b>Performance control</b>	Via the Soaric operator panel: <ul style="list-style-type: none"> <li>▪ 25 performance stages</li> <li>▪ 4 performance ranges</li> <li>▪ 3 operating modes</li> </ul> Via the EMCIA operator panel: <ul style="list-style-type: none"> <li>▪ 15 performance stages</li> <li>▪ 3 performance ranges</li> </ul> Autotuning Autopower
		<b>Operating modes</b>	Soaric, Signo T500: Boost, Scaling, Endo, Perio
		<b>Control</b>	EMCIA: Root Canal Treatment, Scaling, Crown Removal
		<b>Control</b>	Control on operator panel and by foot control of the treatment unit
		<b>Upgrade</b>	–
		<b>Instrument light</b>	Fiberglass light guide, exchangeable LED in the quick connector




### Ultrasonic tips for Morita ultrasonic scalers SC-7000/SC-7000-O-LD

Designation Art. no.	Illustration	Application	Designation Art. no.	Illustration	Application
Universal tip Art. 2465-001		Removal of tooth cement, general tartar removal	Removal tip Art. 2465-013		Removal of crowns, pins or cement residue
Flat tip Art. 2465-010		General removal of large areas of tartar	Root planing tip R Art. 2465-011		Periodontology
Straight tip Art. 2465-002		Removal of tooth cement, general tartar removal	Root planing tip L Art. 2465-012		Periodontology
Root canal tip Art. 2465-003		Removal of tooth cement and residue from the root canal Planing root canal walls	Alveolus separation during extraction Art. 2465-014		Surgery

### Various attachments for endo-tips A or B

Designation Art. no.	Illustration	Application	Designation Art. no.	Illustration	Application
Solify attachment Art. 2466-020		Cleaning small fissures, hollow spaces or grooves before sealing	Point L Art. 2466-030 diamond		Endodontics
Round attachment Art. 2465-005		Removal of subgingival tartar or plaque	Point S Art. 2466-031 diamond		Endodontics
Fissure tip (6 pcs./pack) Art. 2465-007		Cleaning fissures			


### Adapters for endo-files and other attachments

Designation Art. no.	Illustration	Application	Designation Art. no.	Illustration	Application
Endo-tip A (120°) Art. 2466-001		Only to be used with <ul style="list-style-type: none"> <li>▪ Solify U-files</li> <li>▪ Solify attachment</li> <li>▪ Round attachment</li> </ul>	Set with endo-tip A (105°) Art. 2466		Only to be used with <ul style="list-style-type: none"> <li>▪ Solify U-files</li> <li>▪ Solify attachment</li> <li>▪ Round attachment</li> </ul>
Endo-tip B (90°) Art. 2466-002		Only to be used with <ul style="list-style-type: none"> <li>▪ Solify U-files</li> <li>▪ Solify attachment</li> <li>▪ Round attachment</li> </ul>	Set with endo-tip B (90°) Art. 2466-B		

### 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-Nr. 15 1 x ISO-Nr. 20 1 x ISO-Nr. 25 1 x ISO-Nr. 30 1 x ISO-Nr. 35 1 x ISO-Nr. 40		Use with ▪ Endo-tip 105° ▪ Endo-tip 90°	Art. 2466-013, 6 x ISO no. 10	ISO color marking: purple
			Art. 2466-004, 6 x ISO no 15	ISO color marking: white
			Art. 2466-005, 6 x ISO no 20	ISO color marking: yellow
			Art. 2466-006, 6 x ISO no 25	ISO color marking: red
			Art. 2466-007, 6 x ISO no 30	ISO color marking: blue
			Art. 2466-008, 6 x ISO no 35	ISO color marking: green
			Art. 2466-009, 6 x ISO no 40	ISO color marking: black

## Adapters for endo-files and other attachments Prophylaxe

Designation Art. no.	Illustration	Application	Compatibility
Type S01 Art. 2555-100		Universal work tip for tartar removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S02 Art. 2555-200		Universal work tip for tartar removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S03 Art. 2555-300		Universal work tip for tartar removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R01 Art. 2555-510		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R02 Art. 2555-520		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R03 Art. 2555-530		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Holder for interdental brushes Art. 2555-900		Interdental cleaning	All standard air scalers (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 scalers (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 scalers (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



# Each instrument is part of a perfect orchestra

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

## Reduced to a maximum

Hand instruments are extremely important in dentistry. They are intended to facilitate the work of the attending practitioner and dental office team – both at diagnostic and therapeutic level. The premise in this case is, as easy and precise as possible. Morita's Oral mirror MXS combines highly functional technology with perfect ergonomics. Operators therefore always have an instrument readily accessible that enhances fine tactility, creating the perfect basis for excellent treatment outcomes.

## Application comfort redefined

The ultra-bright, surface-mirrored MXS has a non-dazzling metal surface. Furthermore, the end of the handle is provided with a scale, which is also ideal for gauging endo-files.



## Oral mirror: Specifications

Product name Type designation	Oral mirror MXS Ultra-bright, front-mirrored Art. 6012
Description	<p>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.</p> <ul style="list-style-type: none"><li>▪ Mirror diameter of only 14 mm</li><li>▪ Weight of only 4 g</li><li>▪ Instrument length: 16 cm</li></ul>

Diagnostic and Imaging Equipment

Treatment Units

Handpieces and Instruments

Laser Equipment

Laser-Systeme

Laboratory Devices



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