



HANDPIECES

HIGH PERFORMANCE,
ULTRA-HIGH PRECISION



The Goldspeed Evo Contra-angles range

Stern Weber's Goldspeed Evo handpiece range has been conceived to cover a complete range of needs in all fields of dentistry, from restoration to implant surgery and endodontics.

The performance, manoeuvrability and lightness of the handpiece and the contra-angle ensure maximum operating comfort, even during the most delicate procedures. Manufactured according to the highest standards of micro-mechanics, Goldspeed Evo instruments are, thanks to their exclusive design, appreciated for their exceptional working precision, excellent visibility of the operating area, extremely

low noise, optimal balance on the wrist and good grip; they can be used on all micromotors with a standard ISO 3964 coupling.

All Goldspeed Evo handpieces can be heat-disinfected and sterilised in a steam autoclave at 135 °C.

HIGH PERFORMANCE, ULTRA-HIGH PRECISION



The Silent Power Evo Turbine range

Superior performance and reliability in Stern Weber Silent Power Evo turbines. A pneumatic power drive system, consisting of a rotor built to the most rigorous standards. A true jewel of mechanics, with dimensional precision to within thousands of a millimetre, supported by ceramic ball bearings of the most advanced conception, characterised by low-friction and low inertial effect: more power, fewer vibrations and a long life. Materials, geometries, structure and lubrication, that is to say optimisation of the whole in order to sustain power at high speeds and withstand dynamic stresses arising from operation as

well as the thermal and chemical attacks of modern autoclaves.

Quick connector for Fibre Optics Silent Power turbines, 4L Evo and Miniature Evo models, connectable to all cords having a 4 ways + 2 contacts connector, allows the turbine to swivel round 360°.

A rotor capable of delivering extremely high torque is the heart of the turbine: ceramic ball bearings based on cutting-edge technology, high mechanical strength, low friction and minimal inertial mass mean high efficiency.



PERFORMANCE AND ERGONOMIC DESIGN



GOLDSPEED Evo R20-L (20:1)
Surgical use, Implantology, Osteotomy

Specifically for surgical use, gear ratio 20:1, can be heat-disinfected and sterilised in an autoclave, can be disassembled for thorough cleaning, single spray, with hex-type tightening system, for burs and surgical instruments with contra-angle stem \varnothing 2.35 mm, internal Kirschner/Meyer cooling system and external spray, LED with incorporated generator.

GOLDSPEED Evo E4 (4:1)
Endodontic use

Specific for endodontics, gear ratio 4:1, can be heat-disinfected and sterilised in an autoclave. Miniaturised head for improved access to the treatment area. Allows endodontic treatment in reciprocating mode and use of the apex locator integrated on Stern Weber dental units equipped with integrated endodontics.

GOLDSPEED Evo E16 (16:1)
Endodontic use

Specific for endodontics, gear ratio 16:1, can be heat-disinfected and sterilised in an autoclave. Miniaturised head for improved access to the treatment area. Equipped with ball bearings for precise transmission of speed to the file. Push-button bur lock

GOLDSPEED Evo M5-L (1:5)
Conservative

For conservative, prosthetic and general dentistry. Multiplier contra-angle handpiece, gear ratio 1:5, can be heat-disinfected and sterilised in an autoclave, uses \varnothing 1.6 mm FG burs, push-button bur lock, quadruple spray, ceramic ball bearings, integrated high-intensity, autoclave-safe fibre optic lighting. Head diameter 10 mm.



GOLDSPEED Evo S1-L (1:1)
Conservative

For conservative and general dentistry, gear ratio 1:1, head and handgrip can be heat-disinfected and sterilised in an autoclave, push-button bur lock, single spray, integrated high-intensity, autoclave-safe fibre optic lighting. Head diameter 9.5 mm

GOLDSPEED Evo S1 (1:1)
Conservative

For conservative and general dentistry, gear ratio 1:1, head and handgrip can be heat-disinfected and sterilised in an autoclave, push-button bur lock, single spray. Head diameter 9.5 mm.

GOLDSPEED Evo D1 (1:1)
Conservative

Straight handpiece for general dentistry, gear ratio 1:1, can be heat-disinfected and sterilised in an autoclave, single spray.

GOLDSPEED Evo D1 -L (1:1)
Conservative

Straight handpiece for general dentistry, gear ratio 1:1, can be heat-disinfected and sterilised in an autoclave, single spray, integrated high-intensity, autoclave-safe fibre optic lighting.



Multiple irrigation

From three to four spray outlets in the various Silent Power Evo models constantly assure optimal cooling and maximum visibility of the operating field in all working conditions.

Two separate nozzles, one for water and one for air at each point of delivery, prevent the mixture of fluids inside the turbine and reciprocal air and water line contamination

as well as assuring a constantly stable spray, irrespective of air and liquid pressures, and a chip blower that delivers really dry air, something that does not occur when air and fluid are mixed inside the head.

Hygiene & asepsis

Given the characteristics of the materials and components making them up, Silent Power Evo handpieces can be washed and heat-disinfected in instrument washers and sterilized in steam autoclaves up to 135 °C.

HIGH TECHNOLOGY TURBINES



EVO miniature

EVO miniature K

EVO 4L



EVO 4LK

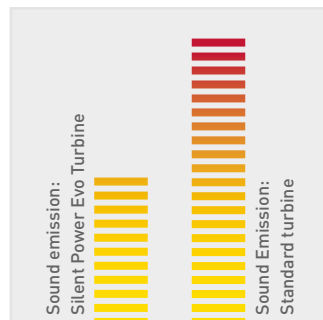
EVO 2L

EVO 2

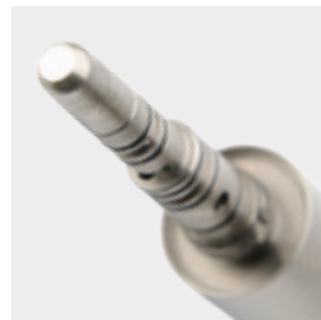


Operative comfort

Thanks to cutting-edge ball bearing technology, high precision rotation and fluid dynamic analysis of air flows, the noise emissions of the turbine have been cut by more than one half, to a medium level of 57dB(A),



an almost imperceptible level in normal ambient noise conditions; the benefits are further increased by the prevalent reduction in medium-high frequencies, the largest cause of acoustic discomfort.



LED lighting technology

A miniaturised circuit with a light-emitting diode replaces traditional halogen bulbs. Compared to halogen bulbs, the Led has an incomparably superior life. It also emits a white light, of a higher quality, which does not alter the colour of teeth and tissues.



Push-button bur change

Bur changes are made fast and easy thanks to the push-button release present on the head of all Stern Weber Silent Power Evo models.



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Our policy of constant technological upgrading means that technical specifications may be subject to change without prior notice.

According to the regulations in force, some products and/or features may have different availability and characteristics in areas outside of the European Union. Please contact your local distributor.

	EVO 4L	EVO 4L K	EVO MINIATURE	EVO MINIATURE K	EVO 2L	EVO 2
Ceramic ball bearings	●	●	●	●	●	●
Total weight (g)	65	65	65	65	59	55
Stainless steel head	●	●	●	●	●	●
Stainless steel handle	●	●	●	●	●	●
Quick fit (4 ways + 2 contacts)	●		●			
Ready for MULTIflex® rapid coupling		●		●		
Four-way attachment + 2 contacts					●	
Four-way attachment						●
Button-type mill lock	●	●	●	●	●	●
LED optic fibre lighting	●	●	●	●	●	
4-jet spray	●	●			●	●
3-jet spray			●	●		
Top speed (rpm)	350000	350000	400000	400000	350000	350000
Power (W)	22	22	16	16	22	22
Pressure (bar)	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9	2.7/2.9
Max water flow rate at 1.2 bar (mL/min)	60	60	60	60	56	56
Average noise level dB(A)	57	57	57	57	57	57
Autoclavable	●	●	●	●	●	●
Washable in instrument washer	●	●	●	●	●	●

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Making Your Life Better.

BU Medical Equipment
Sede Legale ed Amministrativa / Headquarters
 CEFLA s.c.
 Via Selice Provinciale, 23/a
 40026 Imola (BO) - Italy
 t. +39 0542 653111
 f. +39 0542 653344
 sternweber@sternweber.com
 sternweber.com

Stabilimento / Plant
 Via Bicocca, 14/C
 40026 Imola (BO) - Italy
 t. +39 0542 653441
 f. +39 0542 653601

