



30-WATT  
TURBINE

UP TO  
3 YEARS  
WARRANTY

# TORNADO

QUIETLY POWERFUL.

SWISS  MADE

Rare are the innovations that truly question and challenge the way things have come to be.

**The TORNADO accomplishes just that.**

By opening uncharted possibilities, it is setting a new reference standard in dentistry.





## POWER IS CONTROL.

The confidence to master any challenge. Every aspect of the TORNADO makes a clear and convincing statement of its leadership position. Equipped with SteadyTorque™ technology, this competent turbine delivers an outstanding power output of 30 watts – a superiority that is both hard to compare and hard to resist. Experience faster dental procedures and expand your practice's efficiency and profitability with commanding skill.



## SILENCE IS COMFORT.

The satisfaction of quiet effectiveness. The lowest on the market today, the decibel intensity of the TORNADO equals that of a peaceful Alpine stream, thanks to the noise-reducing properties of two novel features – the Accu-Spray Quattro Mix™ spray system and the Accu-Chuck PreciPlus™ vibration-canceling bur-retention mechanism. This soft, almost reassuring sound is intended to help even your most apprehensive patients feel at ease, all while protecting and preserving your hearing.

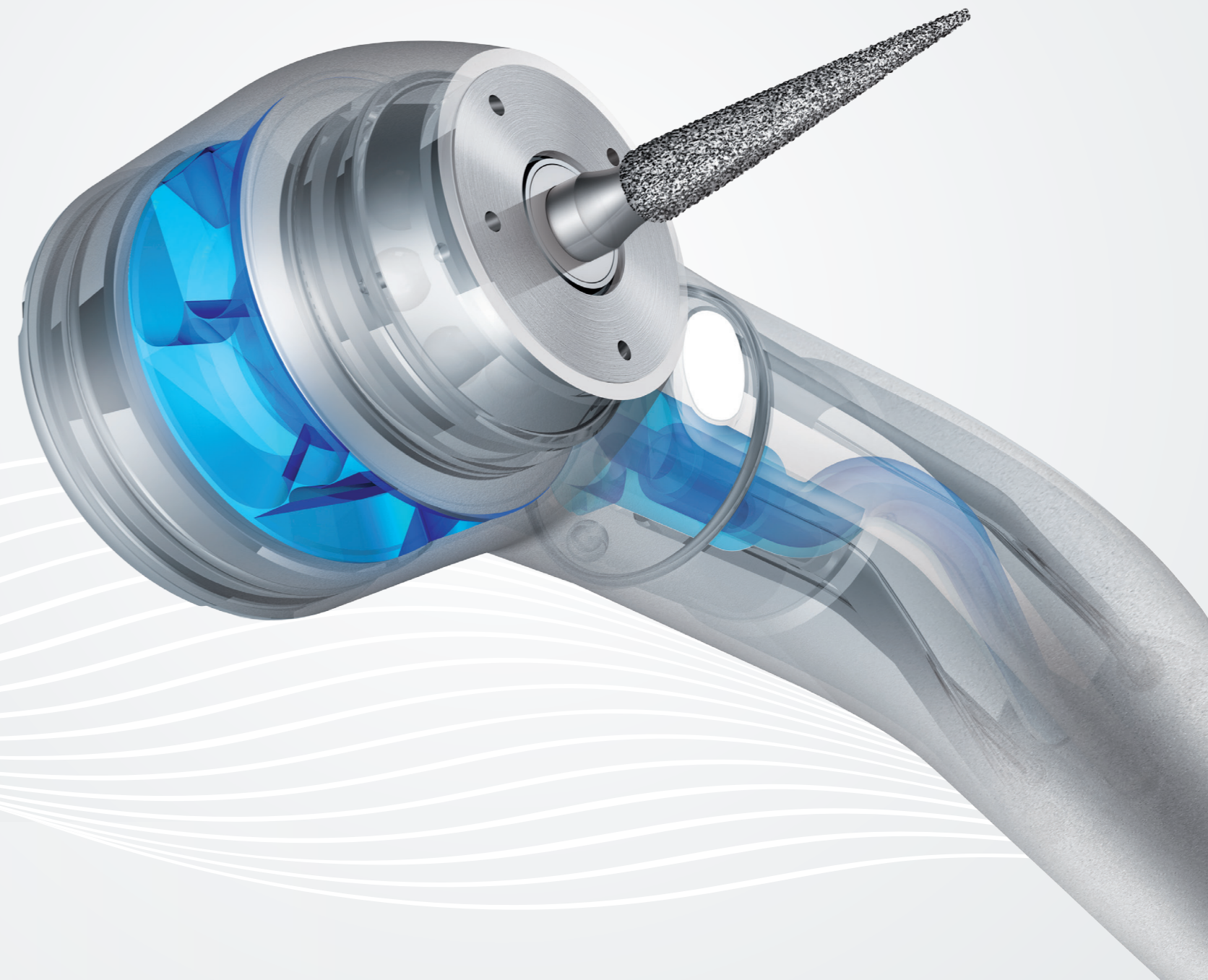


## RELIABILITY IS PERFORMANCE.

Our commitment to first-rate quality. The coming together of the most advanced micro-technologies and more than 50 years of industry expertise and innovation ensures quality and reliability without compromise. This is substantiated as Bien-Air products are designed, manufactured, and individually-tested at our global headquarters in Bienne, Switzerland. Think of the TORNADO as a cornerstone of your practice and a fundamental component of your reputation.

# INNOVATION AND TECHNOLOGY.

Swiss precision every step of the way.

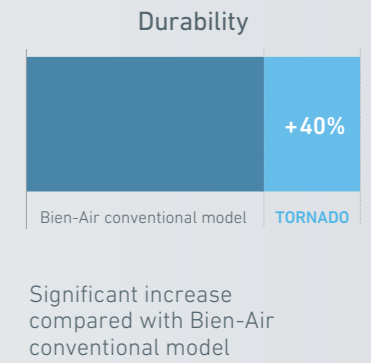
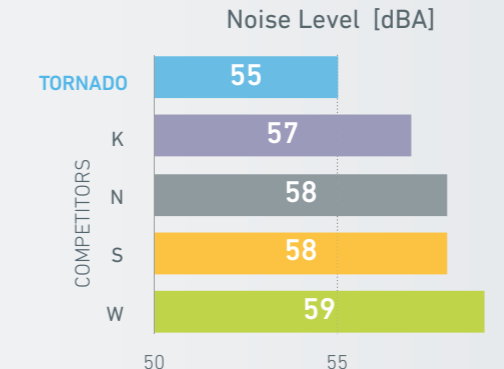
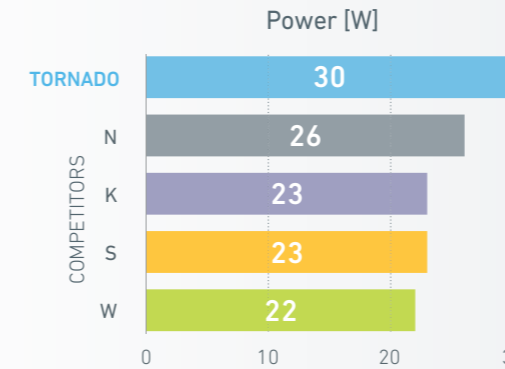
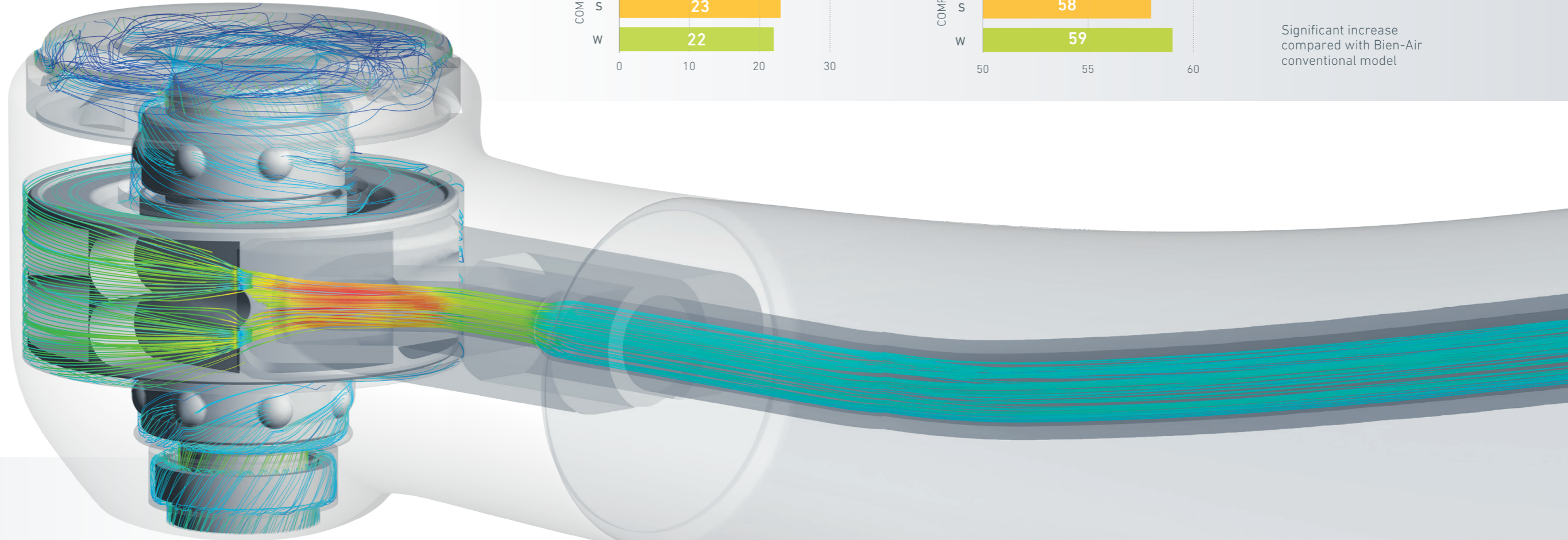


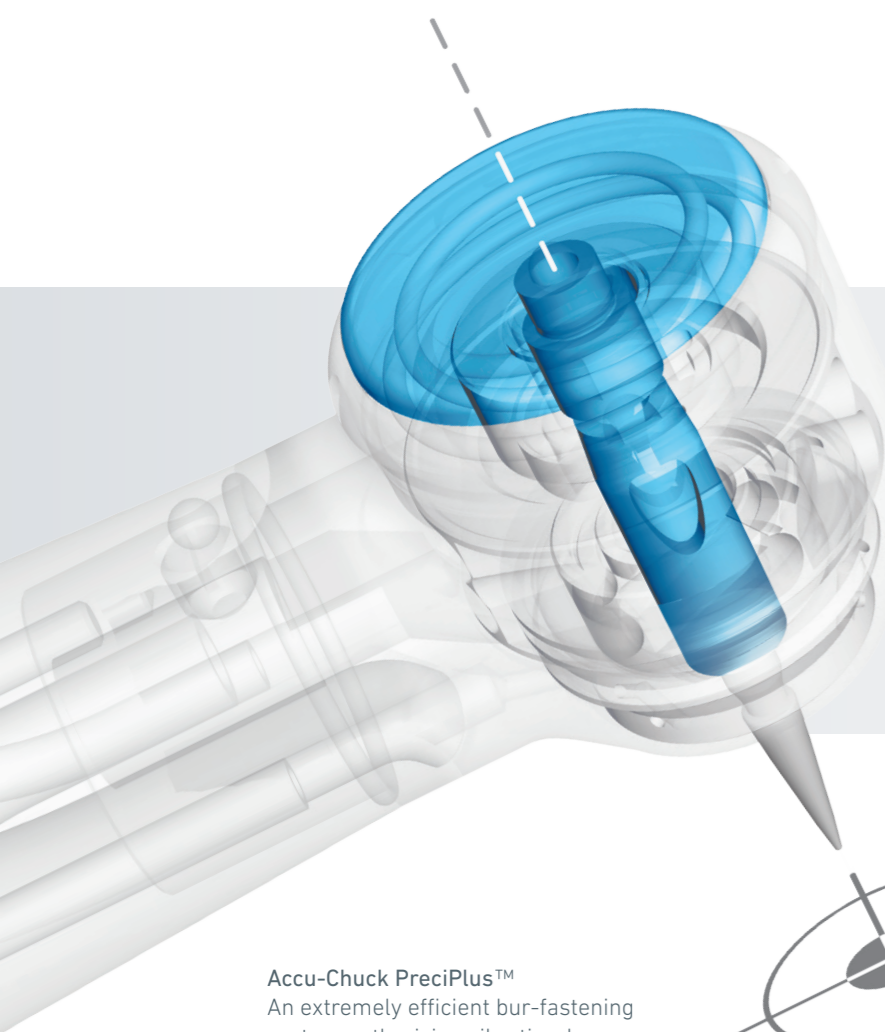
# ENTERING A NEW DIMENSION OF EFFICIENCY AND CONVENIENCE.

In a world where time is the most valuable asset, the TORNADO executes the most pressing demands with remarkable urgency and agility.

**SteadyTorque™ high power generator\*:** The masterful engineering of the rotor's micron-precise shape and configuration, coupled with optimal air pressure distribution and exhaust flow, warrant the TORNADO an unrivaled 30-watt power output. To contribute to an impeccable user experience, the turbine's head is ergonomically compact and the sound level competitively low. This exclusive technology is complemented with specially-designed ceramic ball bearings capable of handling the highest speed and heaviest loads, guaranteeing the TORNADO superior durability and resilience.

Exceptionally powerful:  
The TORNADO reaches an all time 30-watt high thanks to Bien-Air's SteadyTorque™ technology.





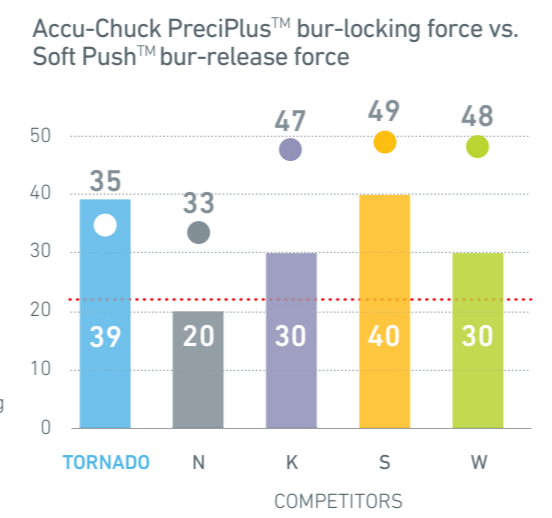
— TORNADO  
 — Bien-Air conventional model



**Accu-Chuck PreciPlus™**  
 An extremely efficient bur-fastening system authorizing vibration-less precision.



● Bur-release force [N]  
 ■ Bur-locking force [N]  
 ..... Minimum accepted bur-locking force 22 N (ISO 14457)

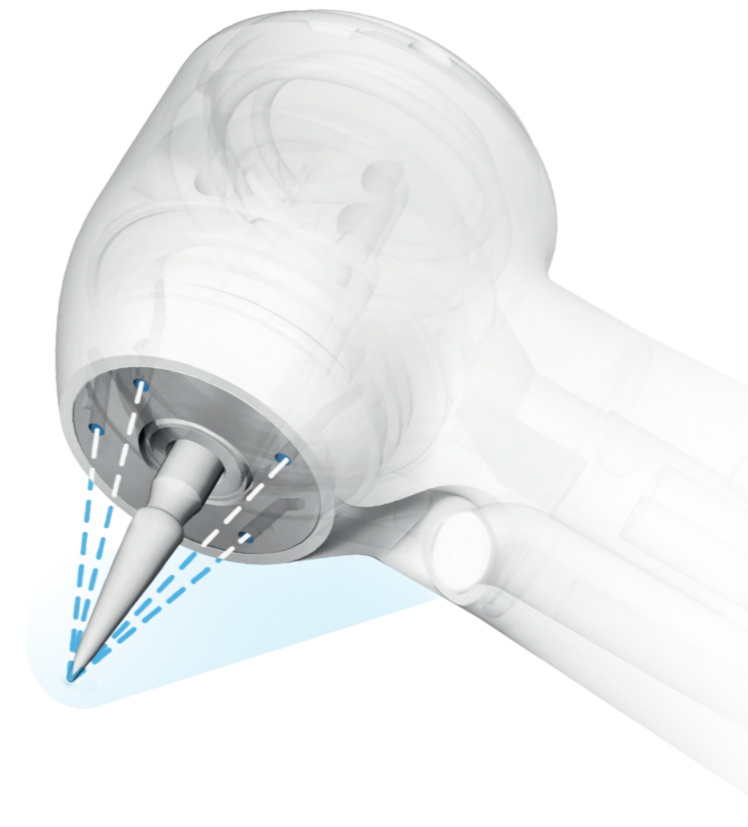


## MORE ACCURACY WITH EVERY WATT.

The TORNADO expediently satisfies the most extreme speed and torque demands while maintaining strict Swiss precision standards.

**Accu-Spray Quattro Mix™ with LED illumination:** With minimal noise interference, this new system converges four asymmetrical laser-precise air/water sprays onto the tip of the bur for rapid and even cooling of the operative field. Combined with a LED light, unobscured intraoral visibility is guaranteed.

**Accu-Chuck PreciPlus™ bur-locking and rotation drive mechanism:** This revolutionary technology assures a staunch clamping of the bur, eliminating all vibrations, and granting the TORNADO unequaled stability and comfort for the most precise dental work. Conversely, bur-release is made quick and safe, thanks to Bien-Air's unique Soft Push™ system.



**Accu-Spray Quattro Mix™ with LED illumination:**  
 For optimal cooling and unobscured lighting of the treatment site.

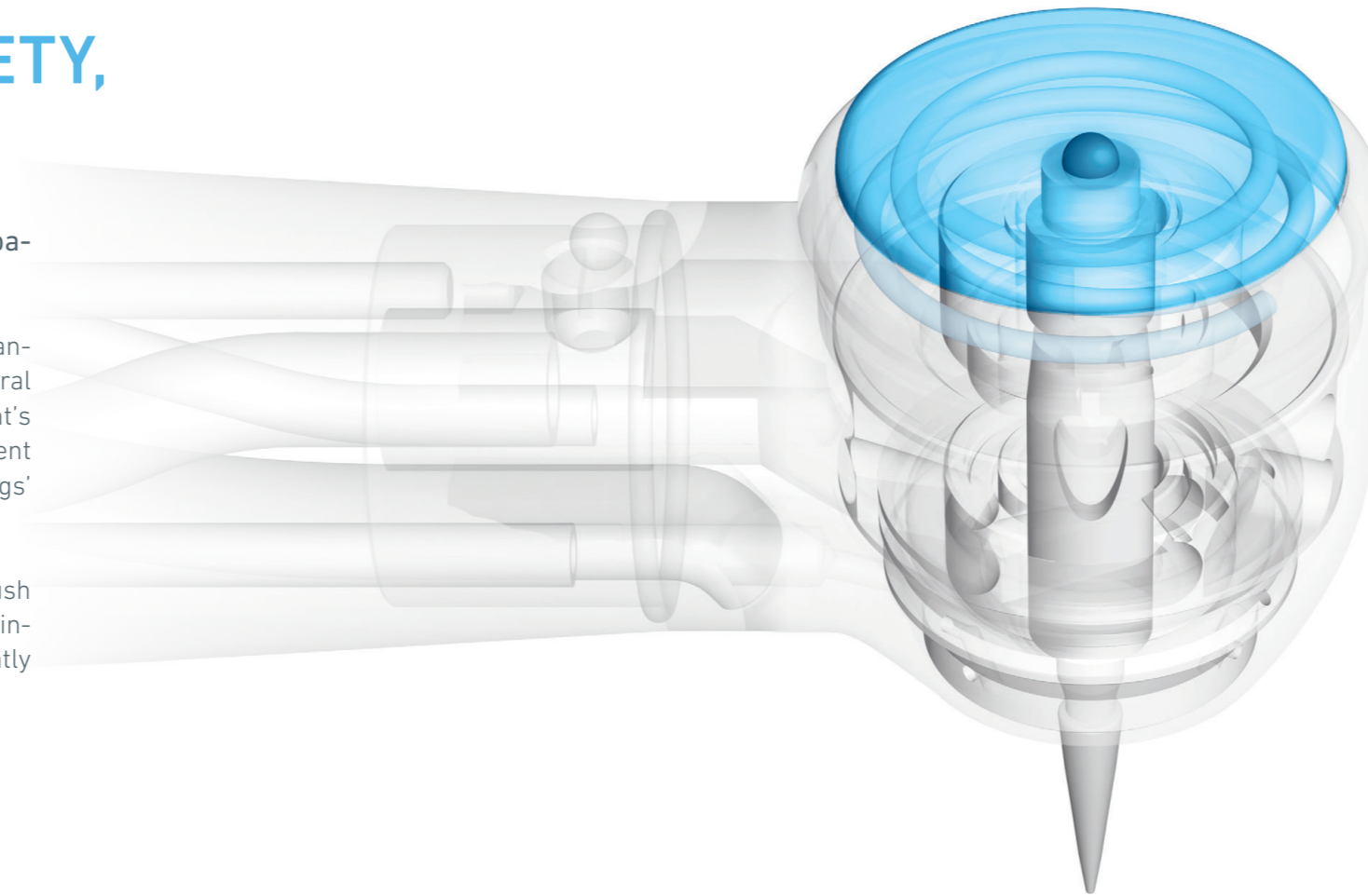


## FOCUS ON PATIENT SAFETY, A BIEN-AIR STANDARD.

The TORNADO features advanced technologies to keep patients safe and clinicians serene.

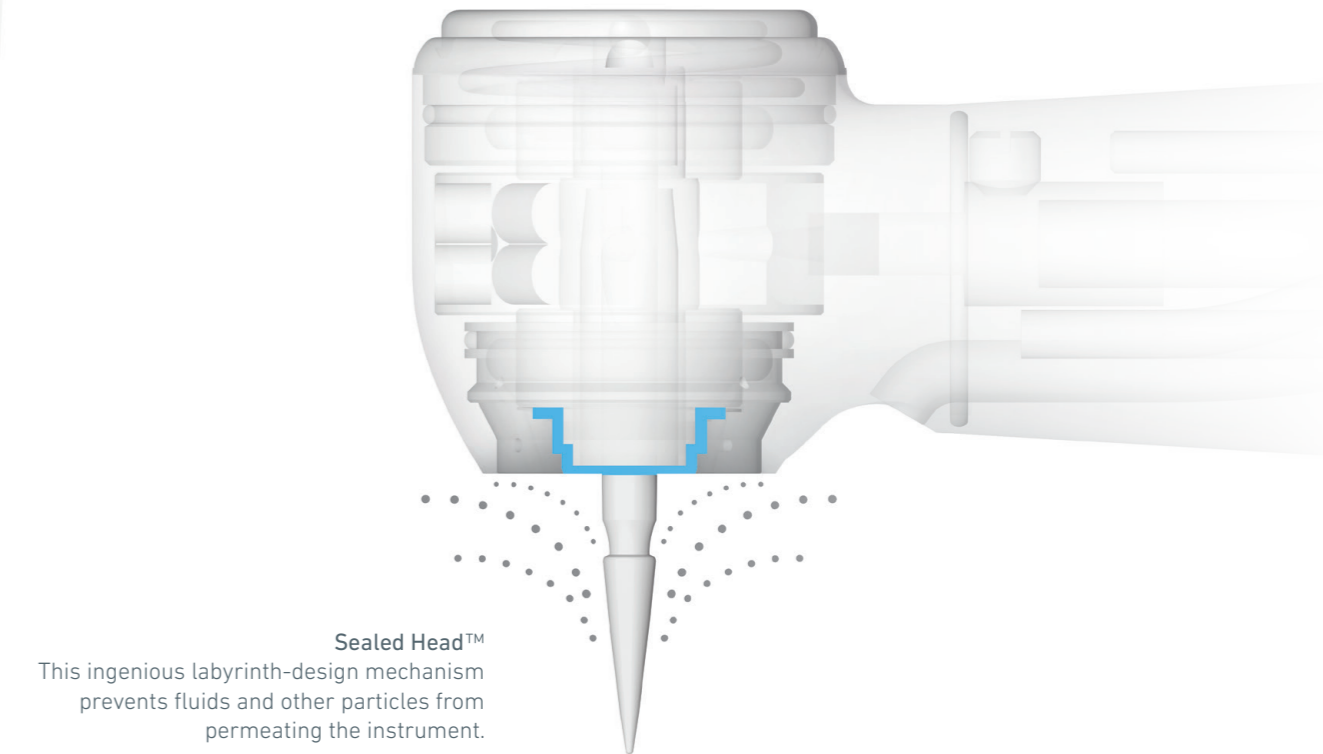
**Sealed Head™ contamination control:** In combination with an anti-retraction valve, this wear-resistant mechanism prevents oral fluids and other organisms from infiltrating the instrument's head, water lines, and treatment unit. This abates the risk of patient cross-contamination and noticeably prolongs the ball bearings' lifespan.

**Cool Touch™ safety:** Conveniently integrated into the head's push button, this patented anti-heating technology is designed to maintain the instrument's head at a safe temperature, thus significantly decreasing patient burn injuries.



### Cool Touch™

Composed in part of a tungsten carbide bead, this anti-heating technology prevents heat from accumulating in the instrument's head.

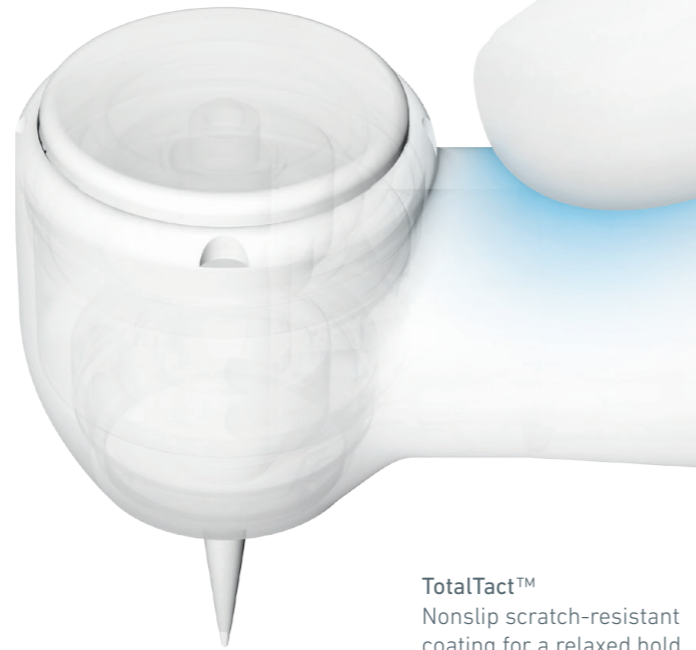
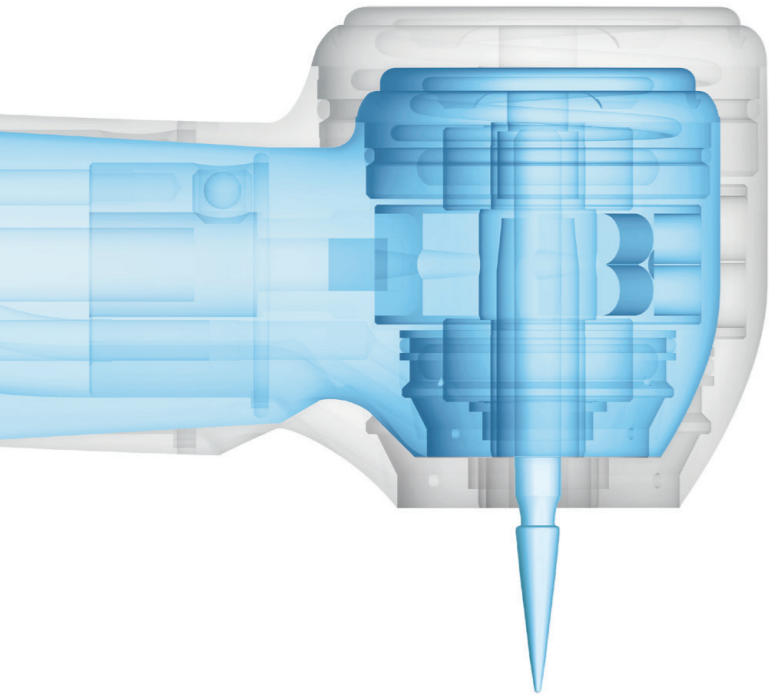


### Sealed Head™

This ingenious labyrinth-design mechanism prevents fluids and other particles from permeating the instrument.

#### Size and weight

A compact head size allows for third molar access and simultaneous manipulation of a mirror.



**TotalTact™**  
Nonslip scratch-resistant coating for a relaxed hold and hygienic care.

## WHEN AESTHETICS FUSE WITH ERGONOMICS.

The TORNADO convincingly reinterprets style and functionality to create value and answer every restorative need with dynamic elegance.

**Size and Weight:** The optimal diameter and height of the head facilitates maneuverability and posterior access. The TORNADO's comparatively lighter weight pushes the limits of comfort even further with more balanced manipulation and reduced hand and wrist fatigue.

**TotalTact™ coating:** This smooth hygienic nonslip coating presents elevated resistance to scratching and abrasion and withstands the high temperatures of repeated autoclave sterilization cycles.

# 9 DEFINING FEATURES OF THE TORNADO.

UP TO 3 YEARS WARRANTY<sup>1</sup>

**TotalTact™**  
nonslip scratch-resistant coating for ergonomic advantage

**Accu-Spray Quattro Mix™**  
with LED illumination for superior bur-cooling action and obscuration-free lighting

**Accu-Chuck PreciPlus™**  
bur-locking and vibration-canceling system for optimal stability and precision

**SteadyTorque™**  
technology to reach an unequaled 30W cutting power

**Sealed Head™**  
to prevent fluid infiltration, reduce risk of cross-contamination, and prolong ball bearings' lifetime

**Small head**  
for improved posterior access and pediatric use

**Custom-designed ceramic ball bearings**  
for extended turbine life and lower operation noise

**Soft Push™**  
for quick and easy bur-release

**Cool Touch™**  
anti-heating feature to assure patient safety

1600908  
SN15C1573

## TECHNICAL DATA.



	<b>TORNADO</b> LED/LK	<b>BORA</b> L/LED/BLACKLINE LED	<b>PRESTIGE</b> L/LED/BLACKLINE LED	<b>BORALINA</b>	<b>BLACK PEARL ECO</b>
<b>Power (W)</b>	27 / 30	17	12	12	13
<b>Spray outlet</b>	4 asymmetrical mixed	2 x 3 separate	2 x 3 separate	2 x 1 separate	2 x 1 separate
<b>Noise level (dBA)</b>	55	59	59	62	62
<b>Head diameter (mm)</b>	12.2	12.6	10.6	12	12
<b>Head size (mm)</b>	13.0 (20.5 mm with bur 19 mm)	14.5 (22.6 mm with bur 19 mm)	13.3 (21.8 mm with bur 19 mm)	14.5 (22.5 mm with bur 19 mm)	13.8 (22.5 mm with bur 19 mm)
<b>Rotation speed (rpm)</b>	410'000	320'000	315'000	310'000	310'000
<b>Light</b>	LED	Bulb / LED / LED	Bulb / LED / LED	–	–
<b>Light intensity (klux)</b>	Approx. 20	Approx. 10 / 17 / 17	Approx. 10 / 17 / 17	–	–
<b>Ceramic ball bearings</b>	Yes	Yes	Yes	No	No
<b>Weight (g)</b>	59 / 58	78 / 72 / 57	73 / 72 / 54	61	50
<b>Coupling</b>	Unifix / MULTIflex®	Unifix & MULTIflex®	Unifix & MULTIflex®	Unifix	2-3 way and 4 way
<b>Warranty</b>	2 to 3 years <sup>1</sup>	2 to 3 years <sup>1</sup>	2 to 3 years <sup>1</sup>	1 to 2 years <sup>1</sup>	1 to 2 years <sup>1</sup>
<b>Reference</b>	TORNADO LED 1600908-001 TORNADO LK 1600907-001	Bora L 1600382-001 Bora LED 1600638-001 Bora Blackline LED 1600637-001 Bora LK 1600732-001 Bora LK Blackline 1600731-001	Prestige L 1600380-001 Prestige LED 1600641-001 Prestige Blackline LED 1600640-001 Prestige LK 1600734-001 Prestige LK Blackline 1600733-001	Boralina 1600373-001	Black Pearl ECO 2-3 way 1600039-001 4 way 1600040-001

<sup>1</sup> 2-year standard warranty and 1-year optional warranty available through Bien-Air's PlanCare extended warranty program. Information on [www.bienair.com](http://www.bienair.com).

## ENJOY SUPERIOR SERVICE WITH CLUB BIEN-AIR.

By becoming a Club Bien-Air member, you benefit from an acclaimed After Sales service and a full range of advantages.

### PRIORITY SERVICE AND REPAIR

Jump in front of the line. Your membership guarantees higher priority for repair and service requests. In selected markets, your products are even picked up from your practice free of charge.

### LONGER WARRANTIES

Leave the worrying to us. You can now get an additional 12 months of uninterrupted support through our new Bien-Air PlanCare warranty extension pack.

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For more information  
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