



Intro

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Summary

Energo™

The new generation of  
electric handpieces



Dentsply  
Sirona





## Our Mission

We don't just work. Our work is passionate and full of memories. Memories that have made us the professionals we are today.

That's why we work tirelessly to make the quality of our handpieces feel as good as DAY 1.

Explore our new series of electric handpieces.

**T1 Energo Trailer**

” REMEMBER YOUR FIRST DENTAL OFFICE AND THE FIRST TIME YOU MADE A PATIENT **SMILE** AGAIN.

” THINK BACK TO WHEN YOU FIRST WANTED TO BE A **DENTIST.**

” THOSE FIRST EXPERIENCES STAY WITH US **FOREVER.**

” THAT'S WHY WE STRIVE FOR QUALITY THAT FEELS GOOD AS **DAY 1.**

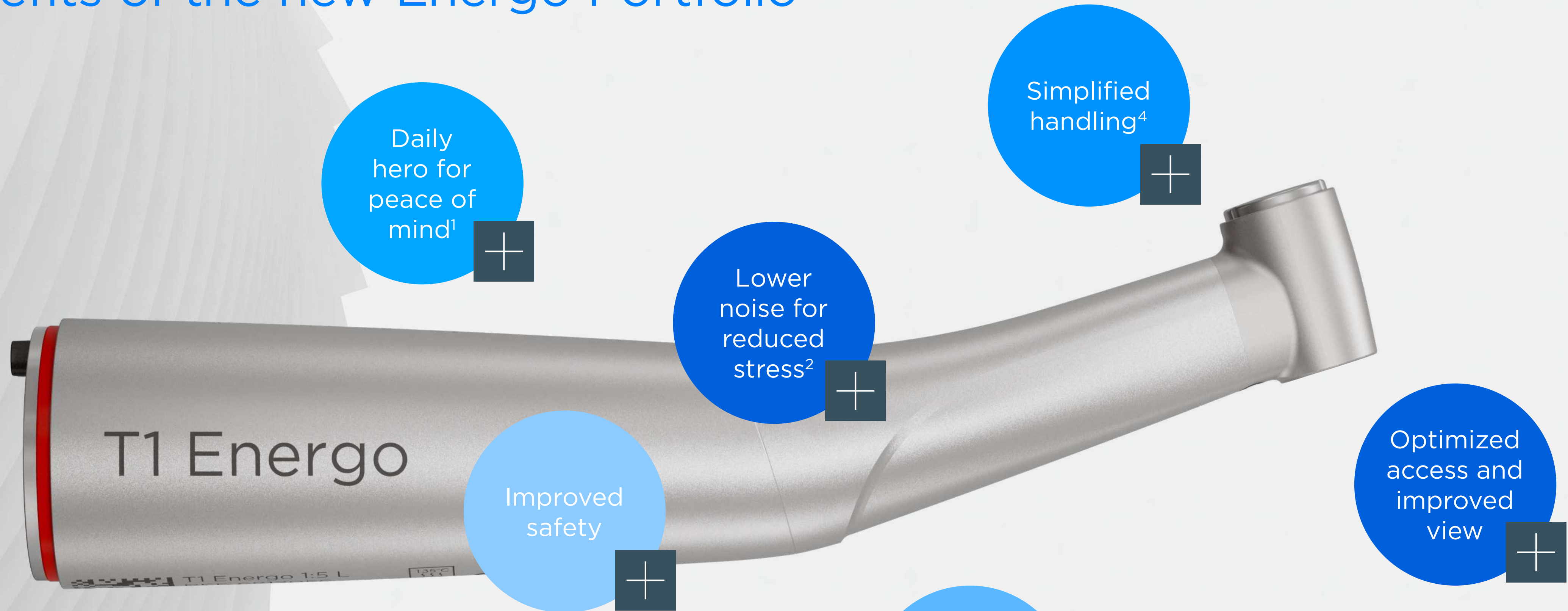




like  DAY 1



# Key Benefits of the new Energo Portfolio



Daily hero for peace of mind<sup>1</sup>

Lower noise for reduced stress<sup>2</sup>

Simplified handling<sup>4</sup>

Improved safety

Reduced carbon footprint for sustainability<sup>3</sup>

Optimized access and improved view

<sup>1</sup> External conducted study at the VDE Prüf- und Zertifizierungsinstitut GmbH, Germany. This study has not been published and is available on request (contact@dentsplysirona.com).  
<sup>2</sup> Endurance tests show a multiple higher lifetime against the current models. Study with measurement results of the current and new platform available on request (contact@dentsplysirona.com).  
<sup>3</sup> Only valid for red handpieces with the 4x2 nozzle spray  
<sup>4</sup> J. Schaefer (2022), TU Darmstadt, Germany. This thesis has not been published and is available on request (contact@dentsplysirona.com).

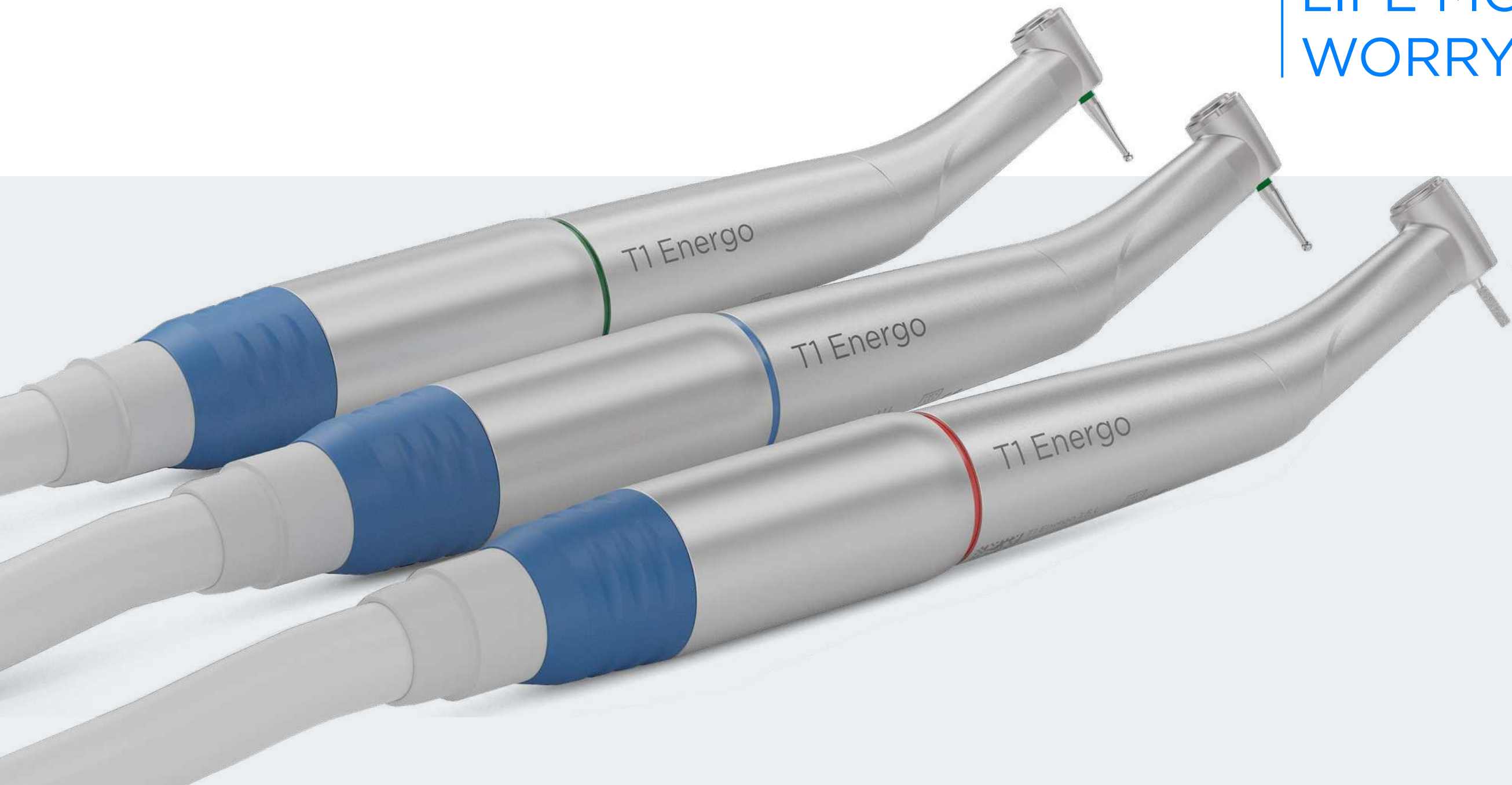


# Durability redefined

Our cutting-edge engineering and materials science synergy delivered a new gear design with one main optimization: Reduced gear abrasion and wear.

This results in a significant increase in durability\* supported by one of the industry leading **3-Year warranty**.

” **Dr. Karl Wehmeyer, Spain**  
**MY DAILY HERO!**  
**MAKES MY LIFE MORE WORRY-FREE.**



## Precision that feels like DAY 1

**Optimization of the gear design leads to higher durability and longer lifetime of the handpiece and one of the industry leading warranty for you.\***

\*Endurance tests show a multiple higher lifetime against the current DS' models. Study with measurement results of the current and new platform available on request (contact@dentsplysirona.com).

When comparisons are made, they always refer to DS's own predecessor model (Line platform).



Dr. Simone Suppelt,  
Germany

**STRESS  
FREE  
WORKING  
WITH LESS  
NOISE.**



## Silence nearly perfected

Dentsply Sirona sets new standards for quiet operation with Energo. Thanks to a patented 4x2 nozzle spray system\*, sound with spray and bur is incredibly quiet.

Excellent noise reduction:

- Enhanced user experience and patient comfort
- Improved gear design for reduced internal vibrations
- Mini nozzle spray for less noise

This brings you one of the quietest 1:5 handpieces we have ever built.

## Silence that feels like DAY 1

**Optimization of the gear design allows you to work in a quieter environment protecting you, your assistant, and patient!**

\*Only valid for red handpieces with the 4x2 nozzle spray

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## Ergonomics redesigned

See everything you want to see with nearly no limits. With Energo we provide you an electric handpiece with a smaller head and improved handshape for excellent sight and precise work.

- Improved fiber-optic glass enhances illumination up to 40 kLux for a brighter work area (approximately 34 % transmission improvement)
- Smaller head with increased bur protrusion for improved access to deeper preps

[Facts and figures](#)

## Ergonomics that feels like DAY 1

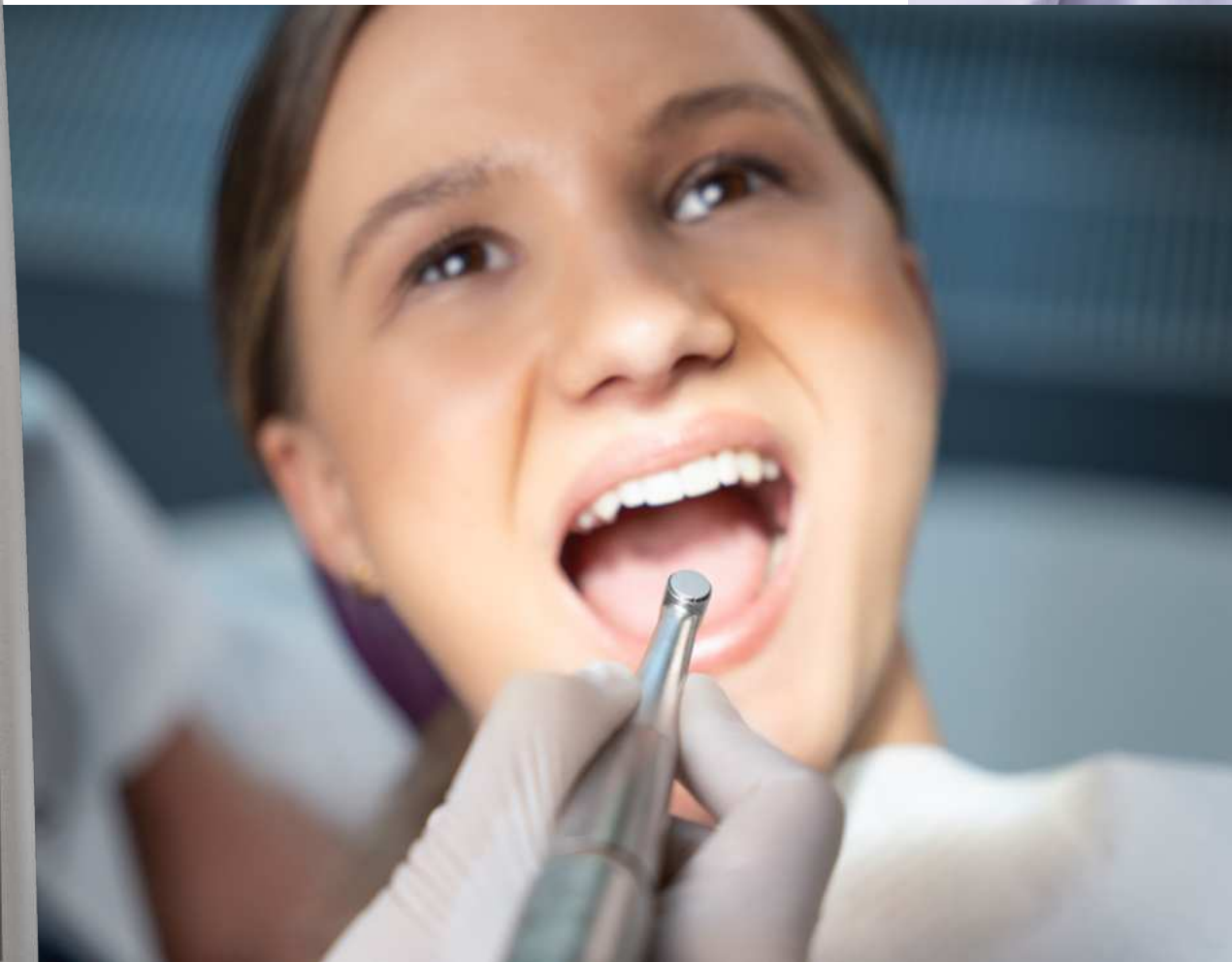
**Significant reduction of handpiece head dimensions offers you an improved access as well as more sight of the preparation area with excellent illumination.**

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Dr. Mohamed Talhi,  
Netherland

NOW I ENJOY  
**OPTIMIZED  
ACCESS AND  
IMPROVED  
VIEW.**





Dr. Almut Marsch,  
Germany

I LIKE THE  
**SIMPLIFIED  
HANDLING.**



## Easier to use

The daily work of the dentist is demanding and challenging. We make it very easy with our new Energo handpieces.

### **The result is a new era with Energo**

- Easier to change burs: 40 % less force required to push the button to open the chuck
- Ergonomic design and easy-to-grasp grip for comfortable and precise work
- Lightweight, robust handpieces made of an optimised blend of steel and titanium
- Electric handpieces that are amongst the lightest in their class, weighing 54 grammes only\*

## Simplicity that feels like DAY 1

**The new chuck system is easier to operate while the overall design and choice of lighter weight materials improves ergonomics. This makes your work life very easy..**

\*Applicable to T1 Energo S 1:5 L

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## Safe Head Technology: The coolest heads\* in the market

With the highly concentrated work on patients, you can sometimes break into a sweat. Unfortunately, there is nothing we can do about that. What we can do, however, is to enable that your handpiece does not get too warm. We have developed the Safe-Head-Technology for this purpose that reduces temperature when still running.

- The coolest heads\* in the market for improved safety while working
- Easy to reprocess
- Integrated water filter for reduced contamination

### Safety that feels like DAY 1

**Safety is our priority. That is why we have designed the coolest heads\* in the market to minimize the risk of heat within the chuck system.**

\*External conducted study at the VDE Prüf- und Zertifizierungsinstitut GmbH, Germany.  
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” HOW  
COOL IS  
THE SAFE  
**HEAD  
TECHNOLOGY.**



# Sustainability in action

Sustainability is something we are all striving for. That's why, whilst developing the Midwest Energo series, one of our key objectives was to reduce its carbon footprint. We're proud to announce that it is now our most sustainable contra-angle handpiece series.

- Eco-friendly design for reduced CO<sub>2</sub> emissions throughout the product's life cycle
- New packaging with a smaller carbon footprint
- Printed instructions eliminated to save resources
- Integrated water filter to reduce contamination

” Dr. Sabrina Weiler-Hoffmann, Germany

I CARE ABOUT OUR PLANET.

Graphic



## Sustainability that feels like DAY 1

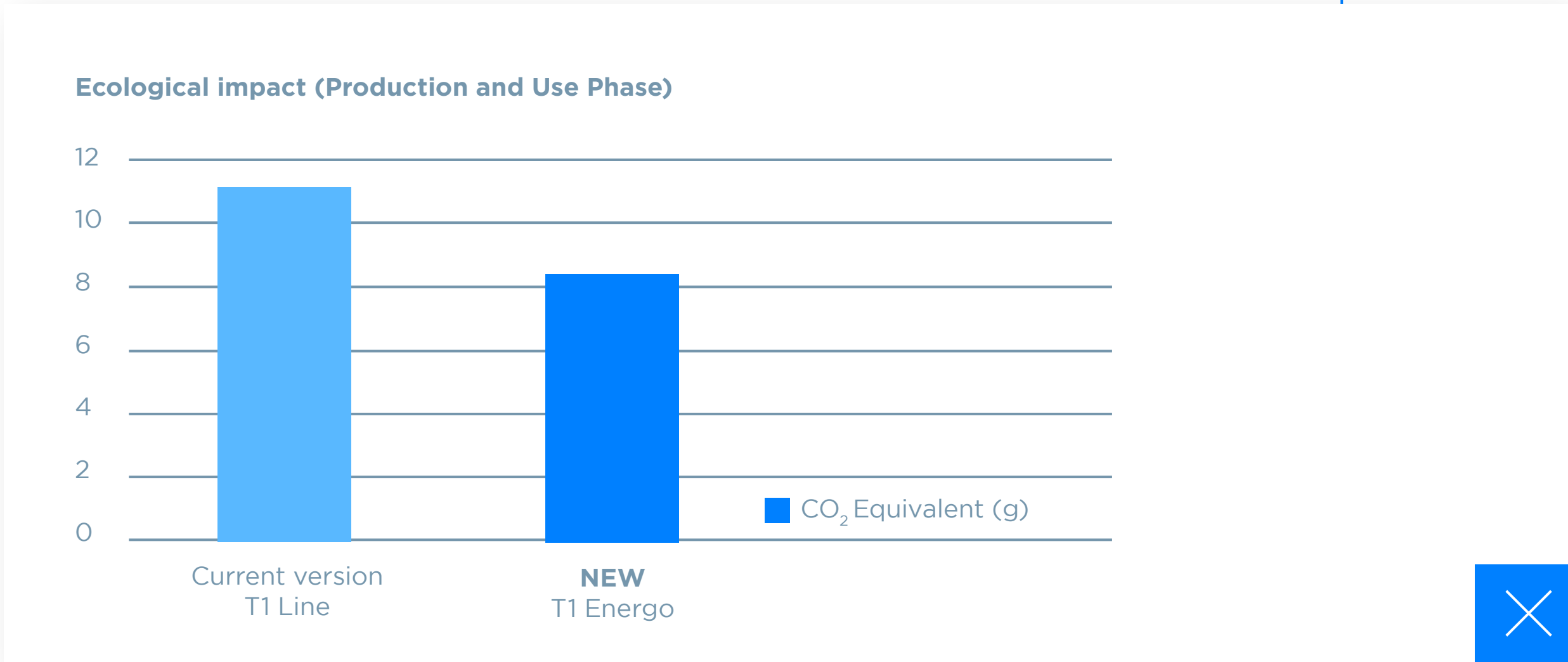
**Fit for the future: with this development we reduce its carbon footprint by ~25 %\*, including new sustainable packaging and paperless instructions.**

\*J. Schaefer (2022), TU Darmstadt, Germany. This thesis has not been published and is available on request (contact@dentsplysirona.com).

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# Sustainability in action

” Dr. Sabrina Weiler-Hoffmann,  
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Reason IV

**Significantly increased lifetime.**





# The new product by classes

Dentsply Sirona	T1 Energo	T1 Energo S	T2 Energo	T3 Energo
Optimized (improved) gear design / Warranty	3-Years	3-Years	2-Years	1-Year
DLC (Diamond like Carbon)-coating for ball bearings*	✓	✓		
Reduced weight	~58 gr	~54 gr	~72 gr	~74 gr
Sleeve material	Titanium	Titanium	Stainless steel	Stainless steel
Steel heads for robustness	✓	✓	✓	✓
Unmatched noise level* (~60 dB(A))	✓	✓	✓	✓
4x2 nozzle spray*	✓	✓	✓	✓
Enhanced illumination for excellent visibility (~40 kLux)	✓	✓	✓	
Simplified handling with easy chuck activation (~35 N)	✓	✓	✓	✓
Reduced head dimensions	✓	✓	✓	✓
Integrated water filter	✓	✓	✓	✓
Safe-head technology	✓	✓	✓	✓
Made in Germany	✓	✓	✓	✓



\*Only valid for red CA

When comparisons are made, they always refer to DS's own predecessor model (Line platform).



# The new portfolio by products

T1 Energo									
Types	Color coding	Gear ratio	Speed (rpm)	Head diameter (mm)	Head height (mm)	Equipment	Spray	Indication	REF
T1 Energo 1:5 L	•	1:5	200,000	8.9 mm	14.04 mm	Ø 1.6 FG	4*2-nozzle spray	Cavity and crown preparation	6812056
T1 Energo 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812064
T1 Energo 5:1 L	•	5:1	8,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812072
T1 Energo S 1:5 L	•	1:5	200,000	8.9 mm	14.04 mm	Ø 1.6 FG	4*2-nozzle spray	Cavity and crown preparation	6812148
T1 Energo S 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812155
T1 Energo S 5:1 L	•	5:1	8,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812163

T2 Energo									
Types	Color coding	Gear ratio	Speed (rpm)	Head diameter (mm)	Head height (mm)	Equipment	Spray	Indication	REF
T2 Energo 1:5 L	•	1:5	200,000	8.9 mm	14,04 mm	Ø 1.6 FG	4*2-nozzle spray	Cavity and crown preparation	6812080
T2 Energo 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812098
T2 Energo 5:1 L	•	5:1	8,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812106

T3 Energo									
Types	Color coding	Gear ratio	Speed (rpm)	Head diameter (mm)	Head height (mm)	Equipment	Spray	Indication	REF
T3 Energo 1:5	•	1:5	200,000	8.9 mm	14,04 mm	Ø 1.6 FG	4*2-nozzle spray	Cavity and crown preparation	6812114
T3 Energo 1:1	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	6812122
T3 Energo 5:1	•	5:1	8,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Cavity and crown preparation	6812130



When comparisons are made, they always refer to DS's own predecessor model (Line platform).

# Advantages of the Energo series at a glance

 **Stress-free working - reduced noise**

 **Daily hero for peace of mind\***

 **Optimized access and improved view**

 **High safety**

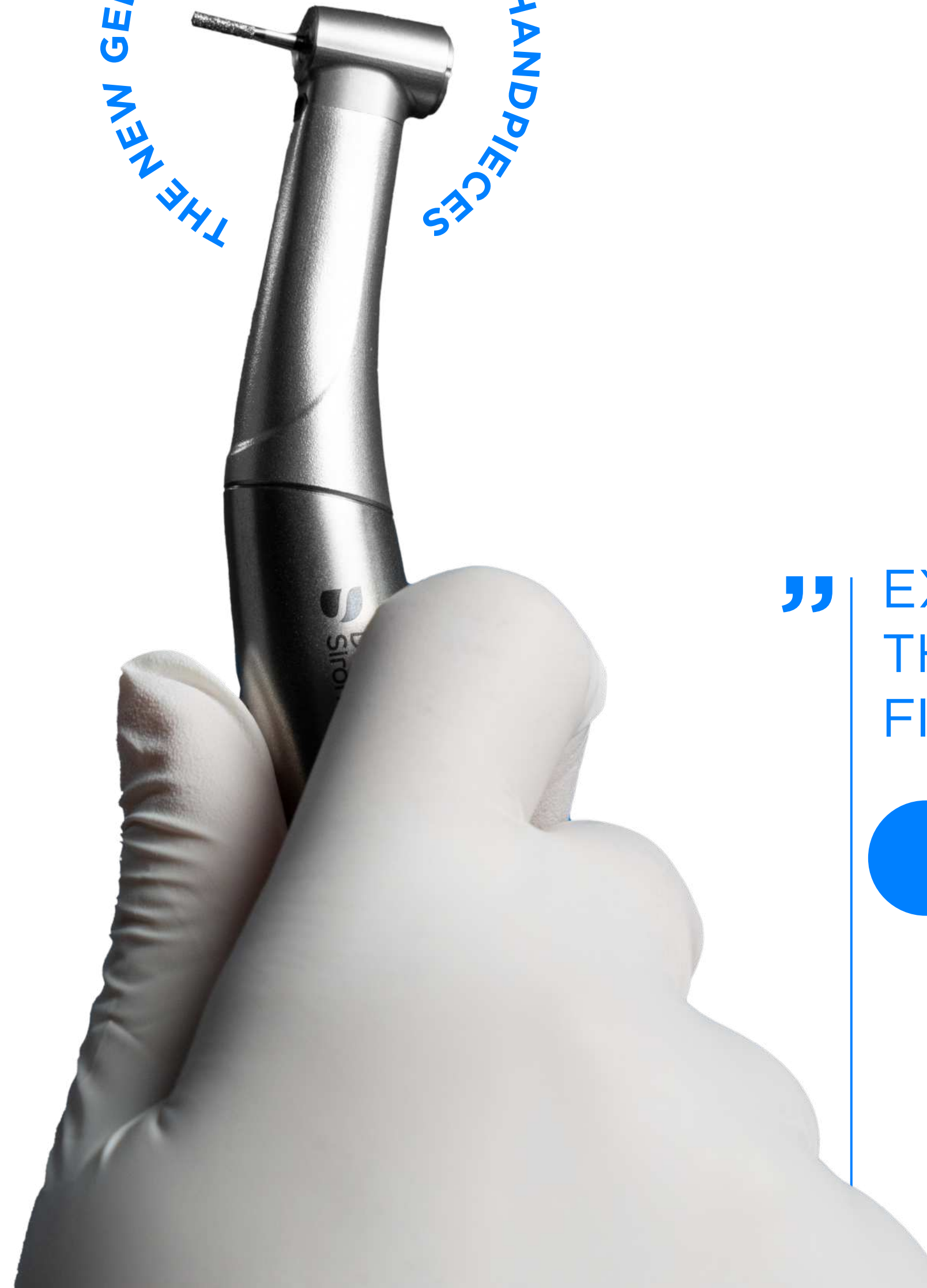
 **Simplified handling**

 **Sustainable - reduced carbon footprint**

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THE NEW GENERATION OF ELECTRIC HANDPIECES



” EXPERIENCE THE DIFFERENCE FIRST-HAND.

[Get in touch](#)



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