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Summary

Midwest[®] Energo[™]

The new generation of
electric handpieces





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.

Midwest 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.**





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like  DAY 1



Key Benefits of the new Midwest Energo Portfolio

Simplified handling +

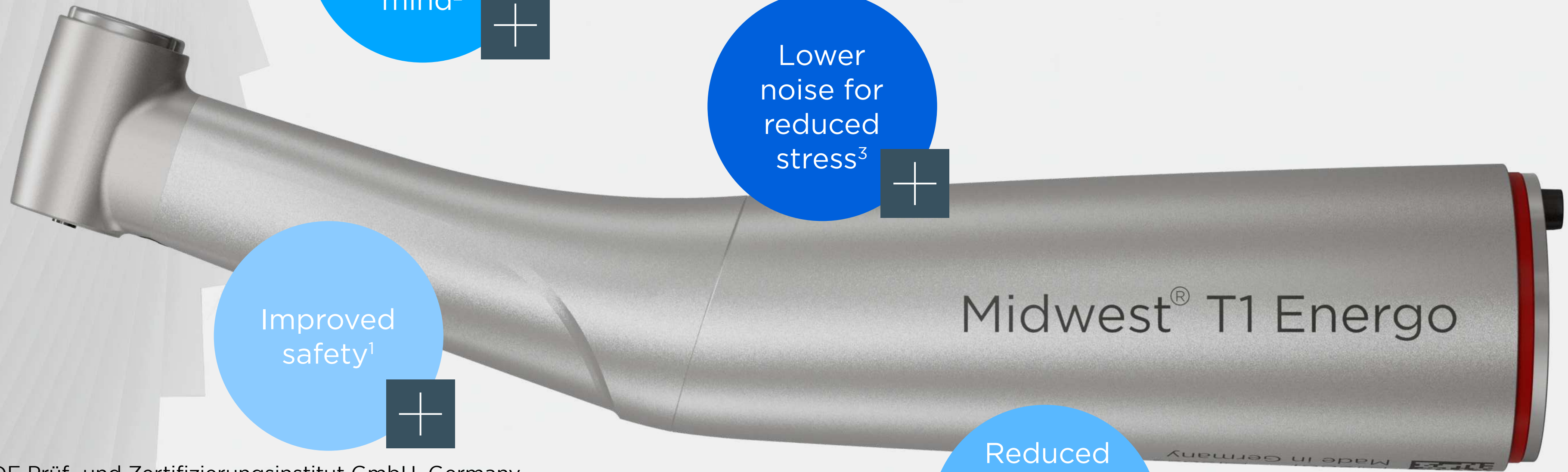
Daily hero for peace of mind² +

Optimized access and improved view +

Lower noise for reduced stress³ +

Improved safety¹ +

Reduced carbon footprint for sustainability⁴ +



¹ 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).
² 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).
³ Only valid for red handpieces with the 4x2 nozzle spray
⁴ J. Schaefer (2022), TU Darmstadt, Germany. This thesis has not been published and is available on request (contact@dentsplysirona.com).

When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).



Durability redefined

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

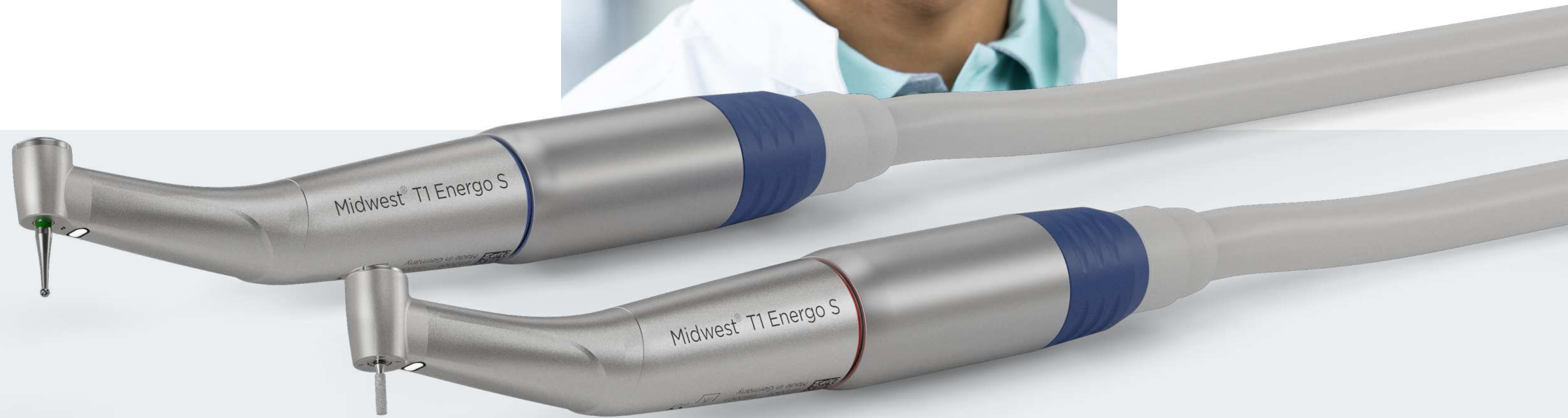
This results in a significant increase in durability* supported by one of the industry leading **3-Year warranty**.

” 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 (E Pro/E Plus platform).



” **STRESS
FREE
WORKING
WITH LESS
NOISE.**



Silence nearly perfected

Dentsply Sirona sets new standards for quiet operation with Midwest Energo. Thanks to a well established 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

When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).



Ergonomics redesigned

See everything you want to see with nearly no limits. With Midwest 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](#)

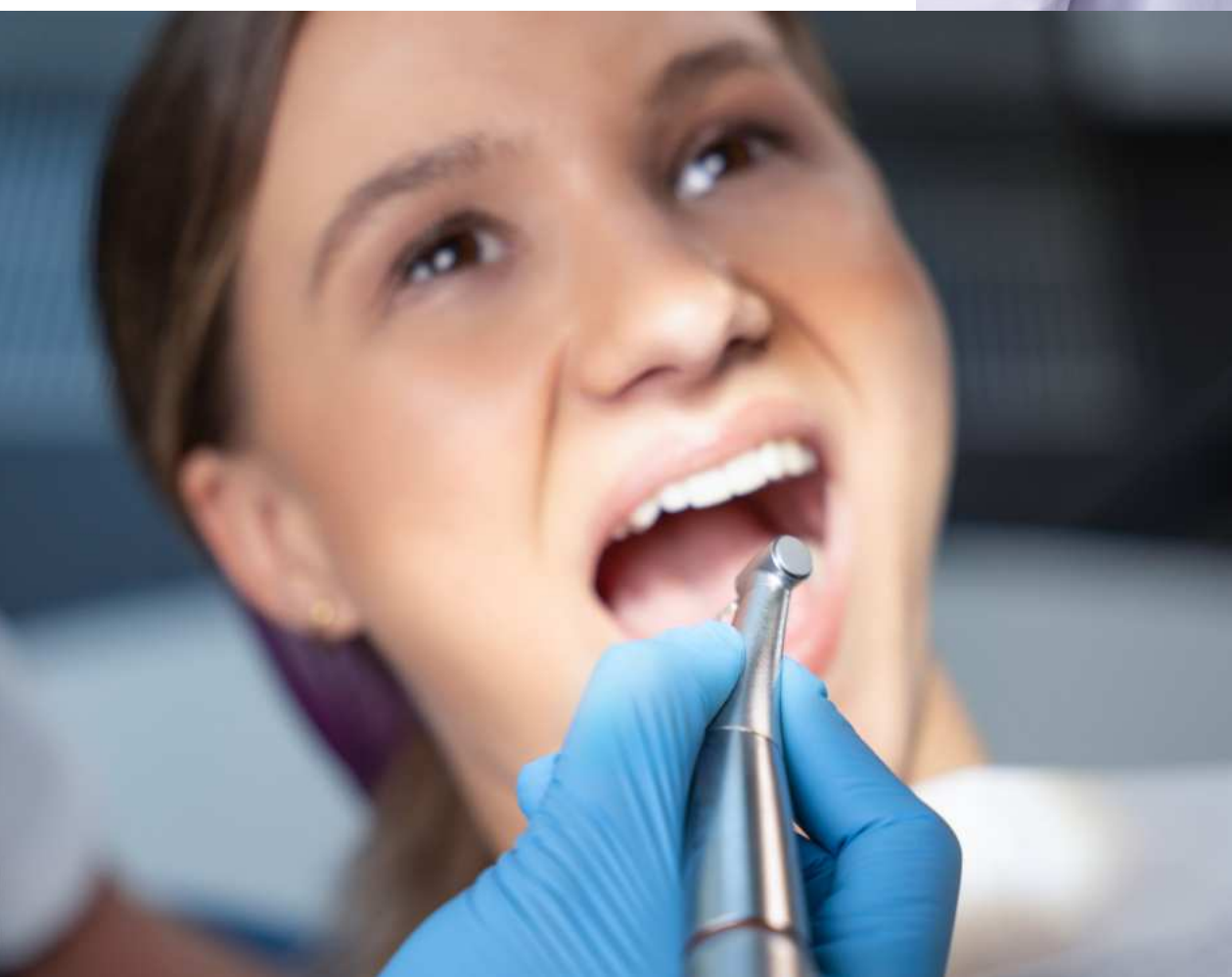
Ergonomics that feels like DAY 1

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

When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).



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





” 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 Midwest Energo handpieces.

The result is a new era with Midwest 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

When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).



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. This study has not been published and is available on request (contact@dentsplysirona.com).

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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 CO₂ 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

” | CARE ABOUT OUR PLANET.

Graphic



Sustainability that feels like DAY 1

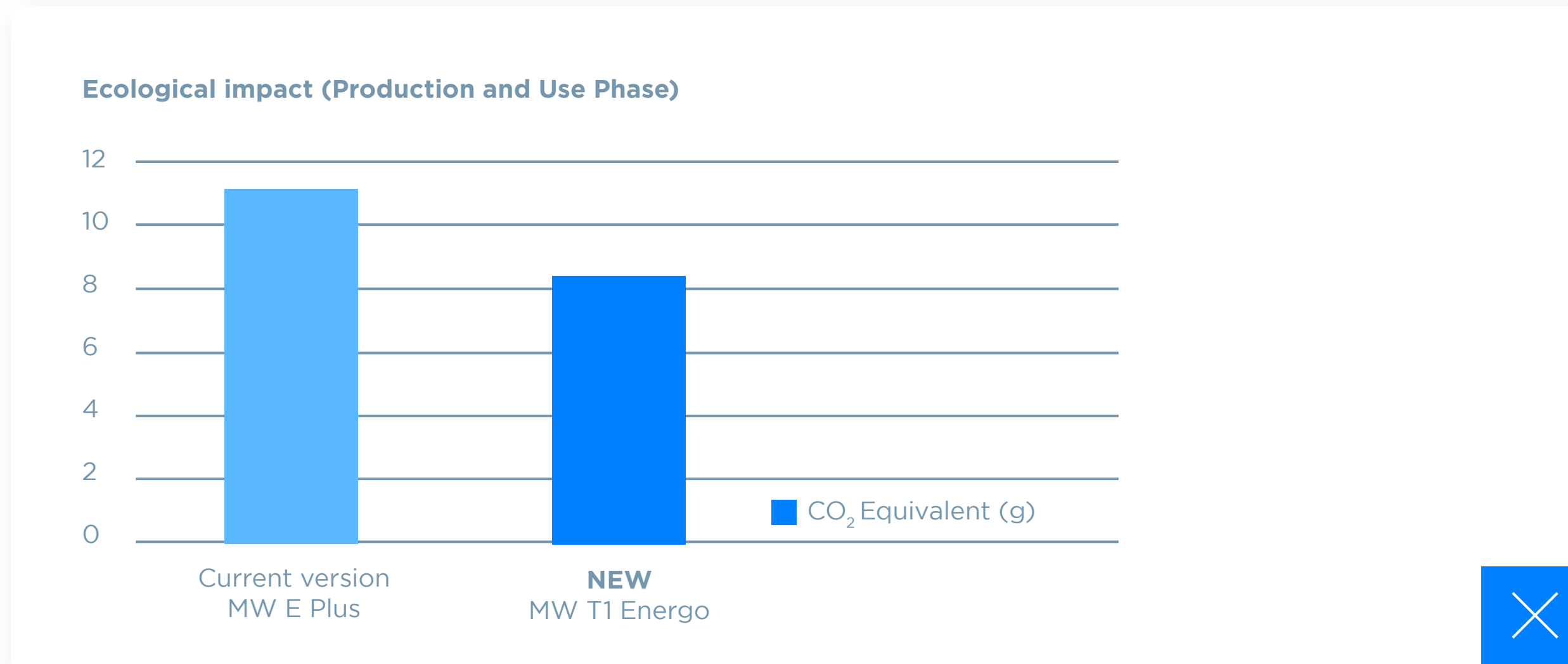
Fit for the future: with this development we reduce its carbon footprint by ~25 %, including new sustainable packaging and paperless instructions.

*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



CARE
ABOUT
OUR
PLANET.



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.

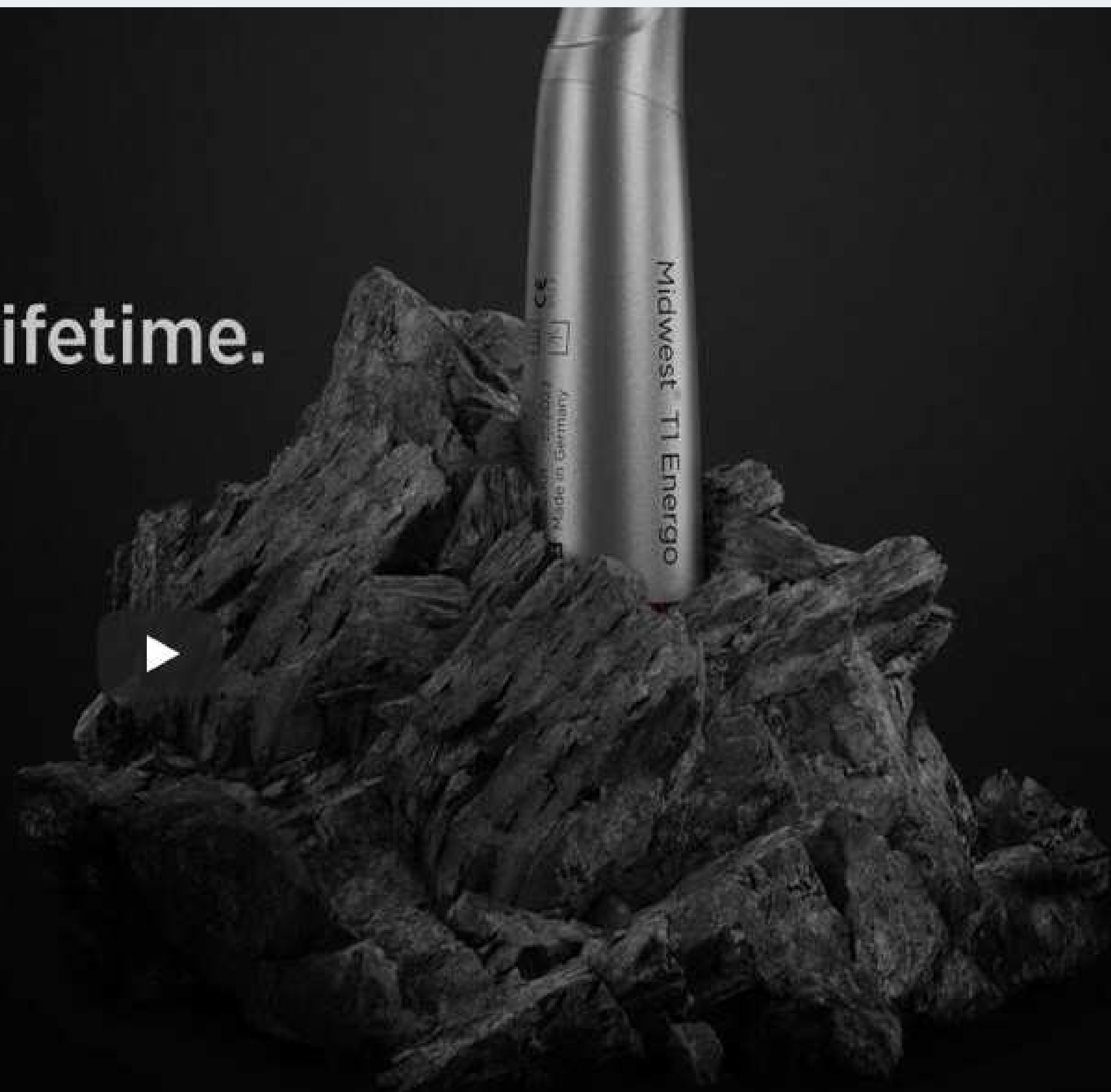
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Reason IV

Significantly increased lifetime.





The new product by classes

Midwest	T1 Energo	T1 Energo S	T2 Energo
Optimized (improved) gear design / Warranty	3-Years	3-Years	2-Years
DLC (Diamond like Carbon)-coating for ball bearings*	✓	✓	
Reduced weight	~58 gr	~54 gr	~72 gr
Sleeve material	Titanium	Titanium	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 (E Pro/E Plus platform).



The new portfolio by products

Midwest T1 Energo									
Types	Color coding	Gear ratio	Speed (rpm)	Head diameter (mm)	Head height (mm)	Equipment	Spray	Indication	REF US
MW 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	875315
MW T1 Energo 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	875320
MW 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	875305
MW T1 Energo S 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	875310



Midwest T2 Energo									
Types	Color coding	Gear ratio	Speed (rpm)	Head diameter (mm)	Head height (mm)	Equipment	Spray	Indication	REF US
MW 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	875415
MW T2 Energo 1:1 L	•	1:1	40,000	8.7 mm	12.25 mm	Ø 2.35 WB	1-nozzle spray	Finishing	875420
MW T2 Energo M 1:5 L	•	1:5	200,000	8.9 mm	12.14 mm	Ø 1.6 FG	1-nozzle spray	Cavity and crown preparation	875401



When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).



Advantages of the Midwest 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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When comparisons are made, they always refer to DS's own predecessor model (E Pro/E Plus platform).

THE NEW GENERATION OF ELECTRIC HANDPIECES



” EXPERIENCE THE DIFFERENCE FIRST-HAND.

[Get in touch](#)



For more information and to order, contact your Dentsply Sirona Midwest representative directly, or call 800.800.2888

Get in touch

