A DentalEZ® Integrated Solutions brand

430 Torque
27 watts* of Star® Power –
Feel the Difference
430 Torque

StarDental® is the new name in Power. Ergonomically designed with a stylish satin finish, the 430 Torque is the newest member of the StarDental family: delivering power and choice.

*Feel the Difference with Star Power*

<table>
<thead>
<tr>
<th>Power</th>
<th>Choice</th>
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<tbody>
<tr>
<td>27 watts of power*</td>
<td>LubeFree or Lubricated</td>
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<tr>
<td>Enough for all procedures</td>
<td>Fiber Optic or Non Fiber Optic</td>
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Inside the 430

1. **LubeFree / Lubricated**
   LubeFree saves hundreds of dollars in maintenance costs.

2. **Small head design**
   Size and shape promote superior operatory field visibility.

3. **Double bucket rotor design**
   Dual drive air control maximizes airflow to turbine delivering powerful performance.

4. **Vortex washer**
   Unique washer designed to minimize debris “suck back” into housing preventing turbine damage.

5. **Bifurcated glass**
   Dual beam glass design prevents shadowing in front of bur.

6. **Co-axial water spray**
   Optimizes direction of spray and water pressure cooling the bur and flushing operatory site.

7. **100% Stainless Steel Body**
   Rugged long lasting construction provides durability.

Balanced design and angled head allows for a neutral wrist position, an important factor in minimizing hand fatigue.**

Lightweight design is less than 2 ounces and the handpiece has an average decibel rating of 67, similar to normal conversation at 3 feet.
Independent test shows 430 Torque has highest watts of power at 27 watts* and maximum power output.
The Dental Advisor – Research Report

Purpose: handpiece torque vs speed performance
To perform torque vs speed and stall torque tests that will demonstrate how well various high-speed dental handpieces perform under different loading scenarios.

Equipment: The Dental Advisor Handpiece Torque Test Platform and Instron 5866 universal test machine.

Tests: Performed at manufacturer’s highest recommended air pressure
1. Torque vs speed curve
2. Power (in watts) at a specific RPM
3. Stall torque

Conclusions
1. Brand K, W, B, N, and StarDental produced very similar torque versus speed curves with StarDental 430 Torque being slightly higher than the other four handpieces.
2. The StarDental and brand B handpiece have equivalent highest maximum power output.
3. The stall torque for brand B, K, N, and StarDental were similar and higher than the other 2 handpieces.
Choose from 18 models to fit your needs.

430 Torque
High Torque, high-speed handpiece with ceramic bearing autochuck turbine. Available fiber-optic or non fiber-optic, LubeFree or Lubricated.
• 430SWL™ Torque
• 430SWL™ Torque Lubricated
• 430SW™ Torque
• 430SW™ Torque Lubricated

430SWL® 45
High-speed handpiece with a 45 degree head. Available fiber-optic or non fiber-optic, LubeFree or Lubricated.
• 430SWL® 45
• 430SW® 45

430SW™
High-speed non fiber-optic handpiece with ceramic bearing autochuck turbine.
• 430SW™
• 430SW™ Lubricated
• 430SW™ Satin

430SWL
High-speed fiber-optic handpiece with ceramic bearing autochuck turbine.
• 430SWL
• 430SWL Lubricated
• 430SWL Satin
• 430SWL RA
• 430SWL RA Lubricated
• 430SWL Flex
• 430SWL Flex Lubricated

430K
Fixed backend.
• 430K
• 430K Lubricated

430 Torque Specifications

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<th>Part</th>
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430 Family Specifications

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