JUVORA™ DENTAL DISC
THE HIGH PERFORMANCE POLYMER ALTERNATIVE TO METAL
SHAPING THE FUTURE OF DENTAL PROSTHESSES

The JUVORA™ dental disc is made from a high performance polymer that can be used as a metal alternative for dental prosthetics. A modern and comfortable solution for implant borne, fixed and removable prosthetic frameworks made with precision through CAD/CAM workflows.

<table>
<thead>
<tr>
<th>Questions</th>
<th>Answers</th>
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<tbody>
<tr>
<td>Is this a new material?</td>
<td>The JUVORA™ dental disc is made of PEEK-OPTIMA™ from our parent company Invibio Ltd. PEEK-OPTIMA™ has been used in orthopaedic medical implants for over 15 years. It has also been used in dental healing caps and abutments for more than a decade.</td>
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<td>Can I trust this device?</td>
<td>As described above, the JUVORA™ dental disc is made of a material with a long term clinical history. Furthermore, it has been tested in accordance with the stringent standards and has been through the following regulatory processes:</td>
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<td>• CE</td>
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<td>• FDA</td>
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<td>• ANVISA</td>
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<td>The indications for use vary in the different regions. More information can be found on our website at <a href="http://www.juvoradental.com">www.juvoradental.com</a></td>
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<td>How strong is this device?</td>
<td>Made of PEEK-OPTIMA™, it is capable of replacing metal in medical and industrial applications as it is stronger than metal per gram.</td>
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<td>Why is it more shock absorbent?</td>
<td>The properties of PEEK-OPTIMA™, used in JUVORA™, are closer to natural bone than metal, so there is more flex. Because of its natural flexibility, the polymer allows for the transfer of stresses to the underlying bone across a more uniform area. This transfer can reduce localised stress points in the mouth which could lead to improved patient comfort.</td>
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<td>Can it be seen in the mouth?</td>
<td>JUVORA™ is mainly used as a prosthetic framework which is not visible. Compared with shiny metals, and other bright white polymeric solutions, JUVORA™ offers improved aesthetics. This can further be enhanced, as the device can be coated to blend in with each patient specific application.</td>
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<td>Why is the disc this colour?</td>
<td>This is the polymer’s natural colour and most importantly an indication of the material’s excellent biocompatibility.</td>
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WHY TECHNICIANS CHOOSE JUVORA™

- Improves precision and fit through CAD/CAM workflow
- Enables in-house manufacture even at entry level CAD/CAM
- 3 times faster milling than Titanium
- Versatile metal alternative option for complex and mainstream cases
- Extends portfolio of solutions, enables innovation and competitive edge.

JUVORA™ is an improvement to metal prosthetic frameworks, as it delivers superior biomechanical performance.
HIGH PERFORMANCE NON-METALLIC SOLUTION

The JUVORA™ dental disc is the high performance polymer of choice, with top scores on comfort and fit. Available in three product series and a wide range of sizes and thicknesses, it is engineered for modern CAD/CAM manufacture (4- or 5-axis systems, can be milled wet or dry).

PROVEN CLINICAL HERITAGE & EXCLUSIVE SUPPLY

Juvora Ltd, an Invibio company, is the authorised manufacturer of the JUVORA™ dental disc. Made exclusively from Invibio’s PEEK-OPTIMA™, it is the only high performance polymer that has been successfully used for more than 15 years, in more than five million medical devices globally.

WHY DENTISTS CHOOSE JUVORA™

- 99% of patients rated JUVORA™ prosthetics high on comfort
- 97% of patients rated JUVORA™ prosthetics high on overall satisfaction
- Superior combination of strength and anti-fatigue properties
- 26 times more shock absorption than Titanium; addressing the problems of parafunction

JUVORA™ is a more natural prosthetic solution, lightweight with bone like properties and low wear.

“Patients of mine who have had JUVORA™ PEEK instead of metal frameworks always report to me that their comfort levels are much better.”

Dr. Vijay, Evodental, Liverpool UK

“It feels exactly like having my natural teeth back. I don’t feel as though there is anything that shouldn’t be there. It just feels so normal.”

Barbara, Evodental Patient, Liverpool UK

Watch the full testimonies on our youtube channel
youtube.com/juvoradental
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REFERENCES

1. Independent laboratory based test demonstrated milling JUVORATM implant prosthetic framework in one hour, 21 minutes, versus Titanium equivalent in three hours, 50 minutes
2. Patient feedback from 92 cases July 2013 – March 2015
3. Industry testing in-mouth simulation measured JUVORATM at 1,300N force.
4. The JUVORATM Dental Disc is made using PEEK, which requires less force to bend, and it can be repeatedly bent without breaking, unlike other stronger materials.
5. Based on the tendency of a material to deform when opposing forces are applied as expressed by the avg. elastic (Young’s) modulus values of the two materials (Titanium 110 GPa or PEEK 4GPa).

For more information please visit: www.juvoradental.com