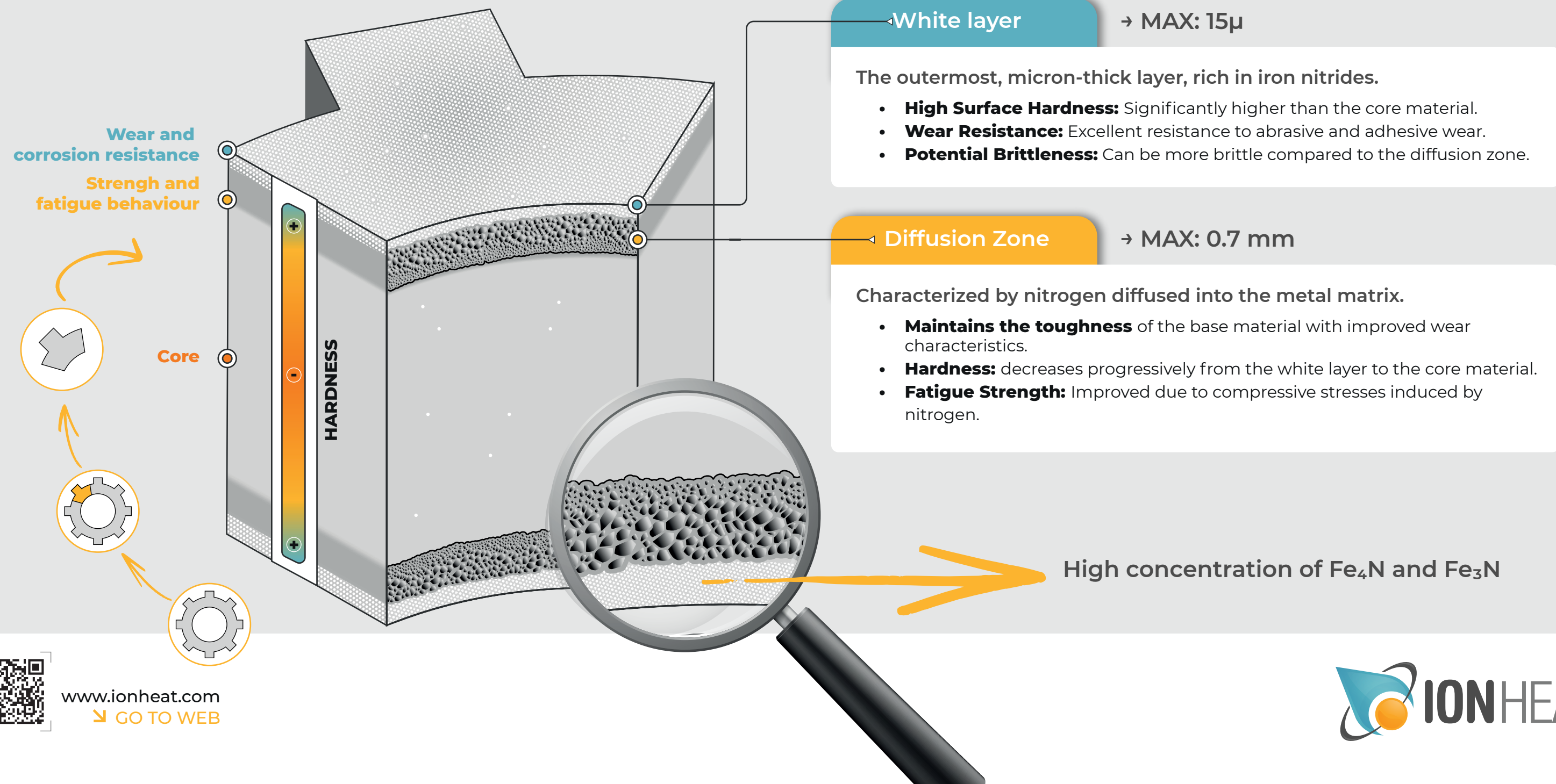


Unveiling the Compound Zone (White layer)

When a cross-section of a part that has undergone nitriding/nitrocarburizing is observed under the microscope, a hard, wear-resistant surface layer can be seen, which is crucial for increasing the durability of the part. This is called “The compound zone” or “White Layer”.

- * It is composed of iron nitrides (Fe_4N and Fe_3N).
- * Its thickness varies from 1 to 25 micrometers, depending on the nitriding process and conditions.



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