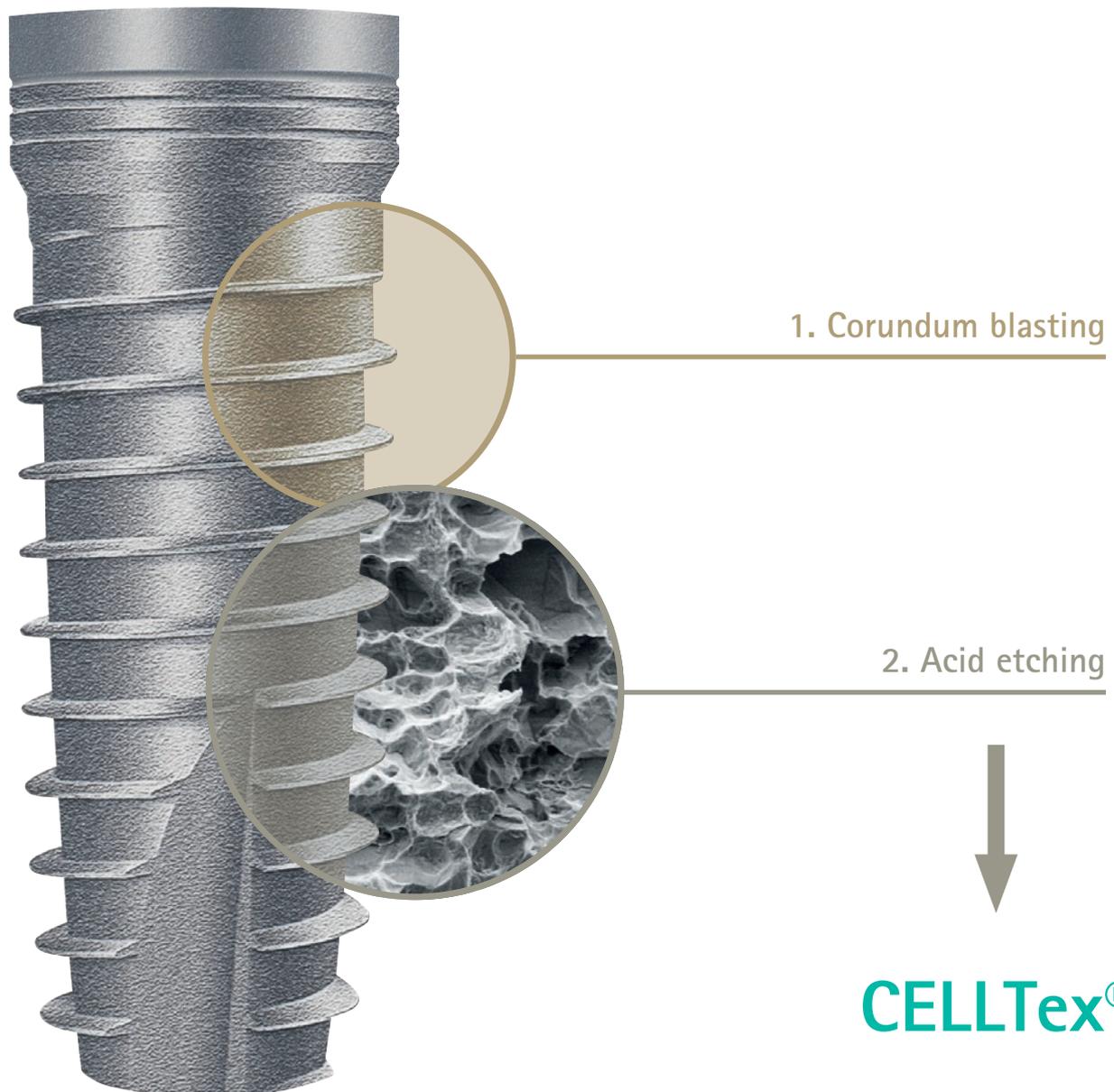


Our CELLTex[®]-SURFACE for your IMPLANT



CELLTex[®]
Subtractive surface featuring
corundum blasting and acid etching

CELLTex® Implant Surface

Successful osseointegration does not only depend on design and material selection. It is a process that is also significantly influenced by the properties of the implant surface which is an essential prerequisite for the long-term success of endosseous implants. The biological behavior of the implant surface is defined by its topography and its chemical composition.*

*Literature on request

Description of the Surface

CELLTex® is a subtractive surface that is created after a corundum blasting and an acid etching process. A pure titanium CELLTex® surface is produced by using validated cleaning processes which ensure that pH values are not changed. A microstructured topography with a roughness value of approx. 3µm is exhibited by the CELLTex® surface. This leads to improved ingrowth of bone tissue. CELLTex® is only offered for pure titanium implants.

Characterization of the Surface

Test criteria	Result
Color	Gray
Roughness R_a	$R_a = 3.0 \pm 1.5 \mu\text{m}$
Durability	5 years
Surface structure	Uniform surface texture

Advantages of the Surface

- Microstructured surface topography with corundum blasting and acid etching
- Complex surface pattern/significant surface enlargement
- Hydrophilic surface/high affinity for blood
- Increased primary stability with shorter healing time
- Active support of bone deposition
- Greater osseoconductivity of the surface