

# Turbine blade



## Workpiece information

Industry	Aerospace
Part name	Turbine blade
Material type	SUS316
Cutting process	Ball end mill processing

## Processing conditions

Tool	XEBEC Brush Surface (A11-CB25M)
Processing detail	Deburring after ball-end milling process
Spindle Speed (min <sup>-1</sup> )	1,000
Table Feed (mm/min)	1,000
Depth of cut (mm)	0.3
Machining time (sec)	—

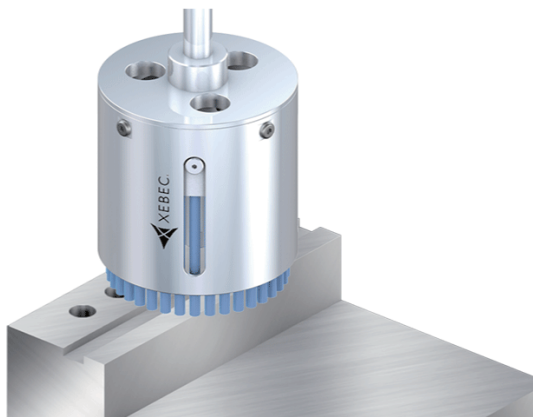
### Before

Tool	File
Problem	Deburring caused unstable edge quality. Recovering process was required.



### After

Tool	XEBEC Brush Surface (A11-CB25M)
Result	By the introduction of automated deburring, stable quality with even edge shape realized.



Deburring after face-milling, end-milling and drilling  
Cutter mark removal and polishing on surface

## Tool XEBEC Brush™ Surface

Ideal for deburring, cutter mark removal and polishing on surface

