

# Spur gear



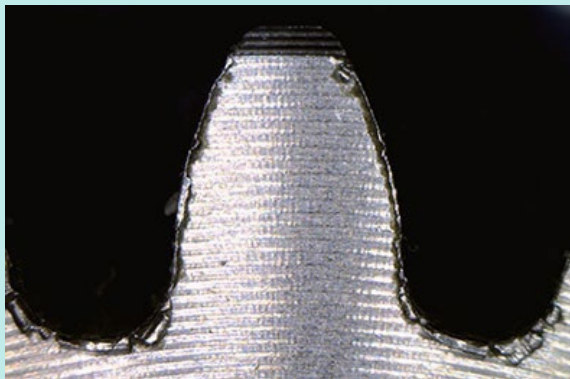
## Workpiece information

Industry	General Machinery
Part name	Spur gear
Material type	S45C
Cutting process	Gear cutting

## Processing conditions

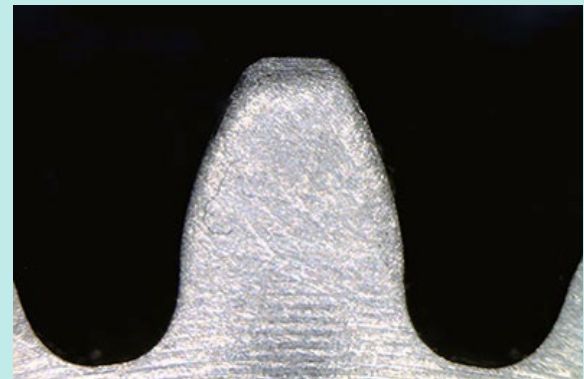
Tool	XEBEC Brush for Surface (A31-CB25M)
Processing detail	Deburring the gear edge face after hobbing process
Spindle Speed (min <sup>-1</sup> )	5,000
Table Feed (mm/min)	2,000
Depth of cut (mm)	0.5

### Before

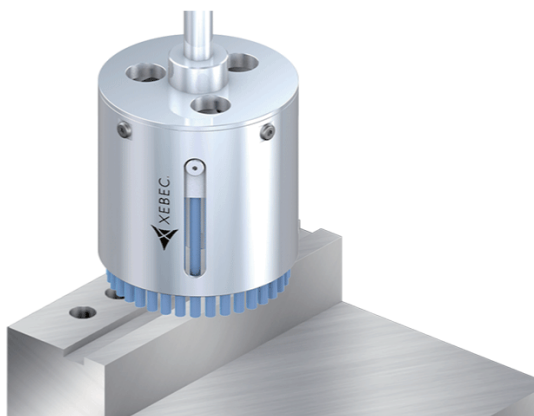


Tool	Grindstone
Problem	It took time for deburring due to complicated shape of workpiece.

### After



Tool	XEBEC Brush for Surface (A31-CB25M)
Result	Automated deburring with stable quality in a shorter cycle time 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

