

Connecting rod (Matching surface)



Workpiece information

Industry	Automotive
Part name	Connecting rod (Matching surface)
Material type	S45C
Cutting process	Front cutter processing

Processing conditions

Tool	XEBEC Brush for Surface (A31-CB40M)
Processing detail	Deburring the matching surface after face milling process
Spindle Speed (min ⁻¹)	1,300
Table Feed (mm/min)	2,800
Depth of cut (mm)	0.4
Machining time (sec)	—

Before

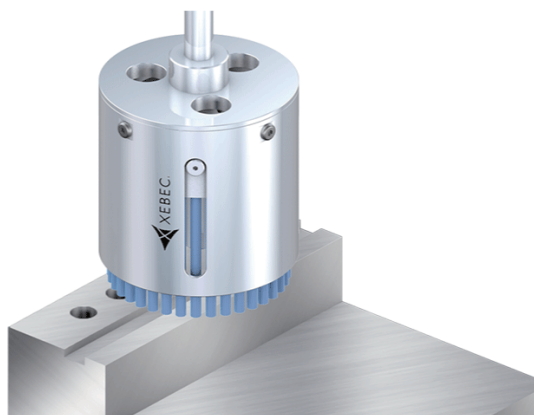
Tool Abrasive-impregnated nylon brush

Problem Burrs remain after deburring by nylon brush due to low grinding power. Additional manual deburring required. Quality unstable and labor cost increased.

After

Tool XEBEC Brush for Surface (A31-CB40M)

Result No burrs left and deburring quality stabilized.



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

