

Connecting rod (edge face)

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Workpiece information

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

Processing conditions

Tool	XEBEC Brush for Surface (A31-CB25M)
Processing detail	Deburring the edge face after milling process
Spindle Speed (min ⁻¹)	4,000
Table Feed (mm/min)	2,500
Depth of cut (mm)	1
Machining time (sec)	—

Before

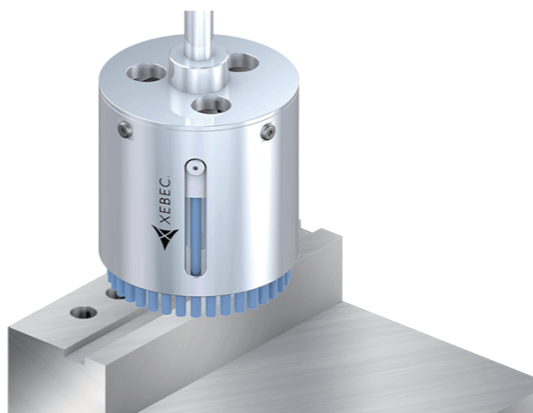
Tool Wire brush

Problem Burrs remained. Brushes deformed and caused the quality control problem in mass production.

After

Tool XEBEC Brush for Surface (A31-CB25M)

Result Automated deburring with stable quality during production 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

