

Vacuum forming



Workpiece information

Industry	Mold
Part name	Vacuum forming
Material type	Aluminum
Cutting process	End mill processing

Processing conditions

Tool	XEBEC Brush Surface (A11-CB25M)
Processing detail	Removal of cutter marks and polishing after end milling process
Spindle Speed (min ⁻¹)	3,600
Table Feed (mm/min)	4,000
Depth of cut (mm)	0.3
Machining time (sec)	—

Before

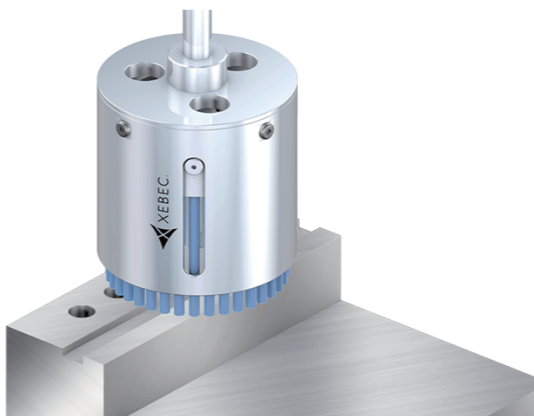
Tool Sandpaper

Problem It was necessary to use multiple types of abrasive papers and it took long time for polishing. Additionally, manual deburring process caused unstable finish quality.

After

Tool XEBEC Brush Surface (A11-CB25M)

Result Polishing in a shorter cycle time with stable quality 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

