

Valve case (Cross hole)



Workpiece information

Industry	General Machinery
Part name	Valve case (Cross hole)
Material type	PP (Glass fiber included)
Cutting process	Drilling

Processing conditions

Tool	XEBEC Brush Cross hole (CH-A12-5M)
Processing detail	Cross hole deburring after drilling process
Spindle Speed (min ⁻¹)	8,000
Table Feed (mm/min)	1,000
Depth of cut (mm)	—

Before

Tool Cutter

Problem It took time to deburr manually with cutter. Scratches left on the finishing surface.



After

Tool XEBEC Brush Cross hole (CH-A12-5M)

Result Automated deburring realized by custom made machine. Work efficiency improved and no burrs reported.



Deburring after drilling
Cutter mark removal and inner diameter polishing

Tool > XEBEC Brush™ Crosshole

Ideal for deburring, polishing and cutter mark removal on inner diameter and counterbored part

