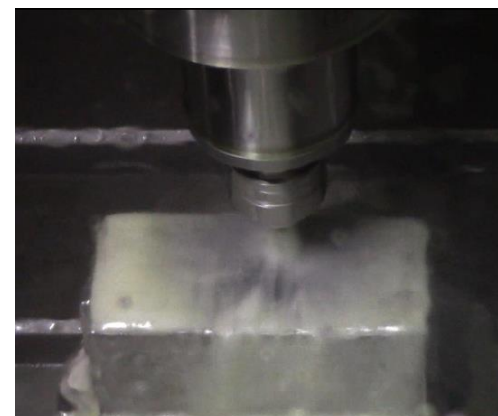
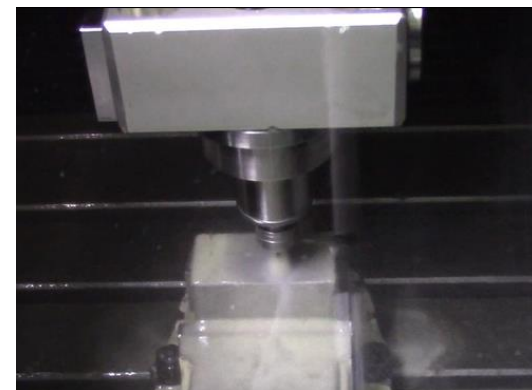


BMS-4020-MQL ϕ 1.5mm End mill Application (NAK80)

Motor Spindle BMS-4020-MQL with CH16C-4.0
 Machine Sodick MC (MC430L)
 Tools NS TOOL MUGEN Coating 4-Flute long-neck end mill
 MHR430R ϕ 1.5 $\times$ R0.3 $\times$ 12
 Work Aluminum alloy (NAK80)
 Hole depth 5mm (Groove cutting)
 Coolant Non-water-soluble cutting oil (1.0MPa) Collet through

	NS TOOL	NAKANISHI
Cutting Speed[m/min]	54.2 $\xrightarrow{1.7 \text{ times}}$ 94.2	
Spindle Speed [min ⁻¹]	11,500 $\xrightarrow{1.6 \text{ times}}$ 20,000	
Feed [mm/min]	625	1,000
Feed Rate [mm/tooth]	0.0135	0.0125
Depth of cut Ap $\times$ Ae [mm]	0.03 $\times$ 1.5	0.05 $\times$ 1.5



Collet through coolant



CH16C-4.0 Collet
(Collet through)

E4000 Controller : One load meter lighting (continuous duty area)

This CHK-type slim spindle head can get close to the work, the tool over hang can be minimized.
 The processing efficiency is improved by 2 times on the grounds that
 Spindle speed and feed can be increased.



The minimized tool overhand enables precise processing. The tool life improves due to efficient chip evacuation.