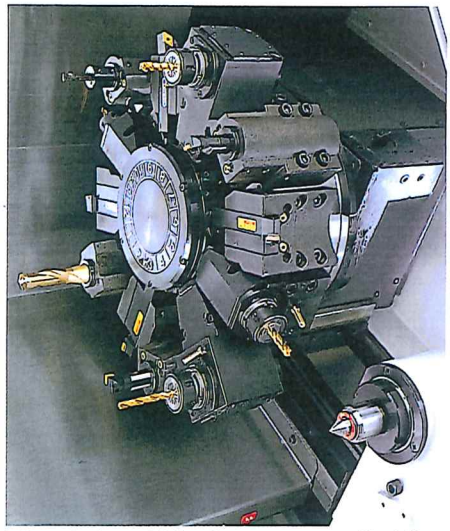
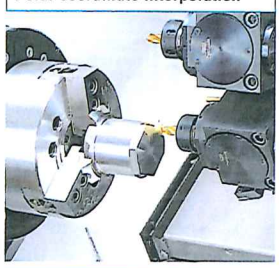
Turning center

Rotary tools for integrated machini



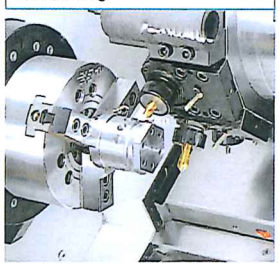
Integrated machining lets you turn, mill, drill or tap in one chucking. (The photo shows SL-204MC)

Polar coordinate interpolation

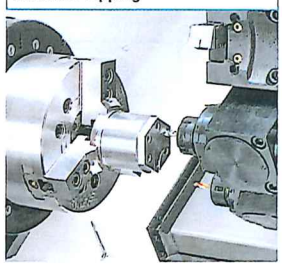


Cylindrical interpolation

Side drilling



End face tapping



C-axis rapid traverse rate

400 min^{-1}

C-axis exchanging time

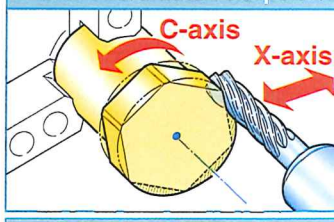
0.2 sec.

Min. spindle indexing angle

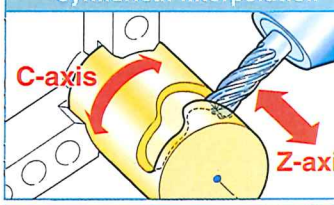
0.001°

Standard features

Polar coordinate interpolatio



Cylindrical interpolation



Rigid tap feature, miracle tap featu

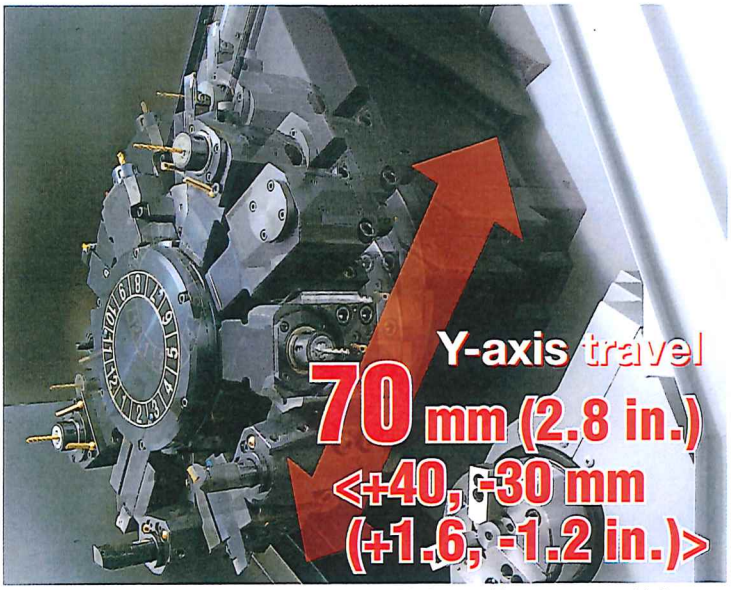
Special holder not required

Rotary tools can be mounte

SL-154	M12 tap, ϕ 13 mm (ϕ 0.5 in.) d ϕ 13 mm (ϕ 0.5 in.) end mill
SL-204	M16 tap, ϕ 20 (ϕ 0.8 in.) drill, ϕ 20 mm (ϕ 0.8 in.) end mill

Y-axis control

Generous Y-axis stro



The Y-axis both enhances integrated machining and improves machining precision. (The photo shows SL-154SY)

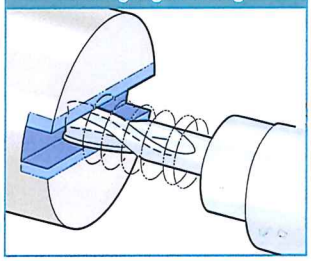
Y-axis rapid traverse rate

6 m/min (236.2 ipm)

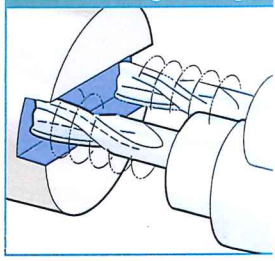
Sample workpiece with Y-axis control

Grooving on a turning center with Y-axis control

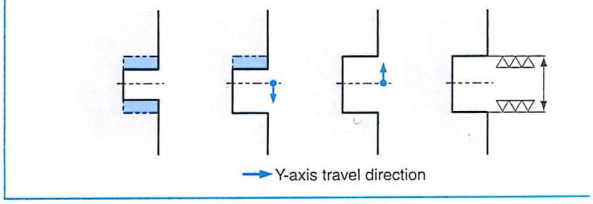
Rough grooving



Finish grooving



Grooving with finishing passes using the Y-axis



Machining by polar coordinate interpolation