Cincom :A20VII(LFV-U35B)

Usability has also been upgraded. More speed, more stroke, more capacity

Demonstration Workpieces

CONNECTOR VALVE

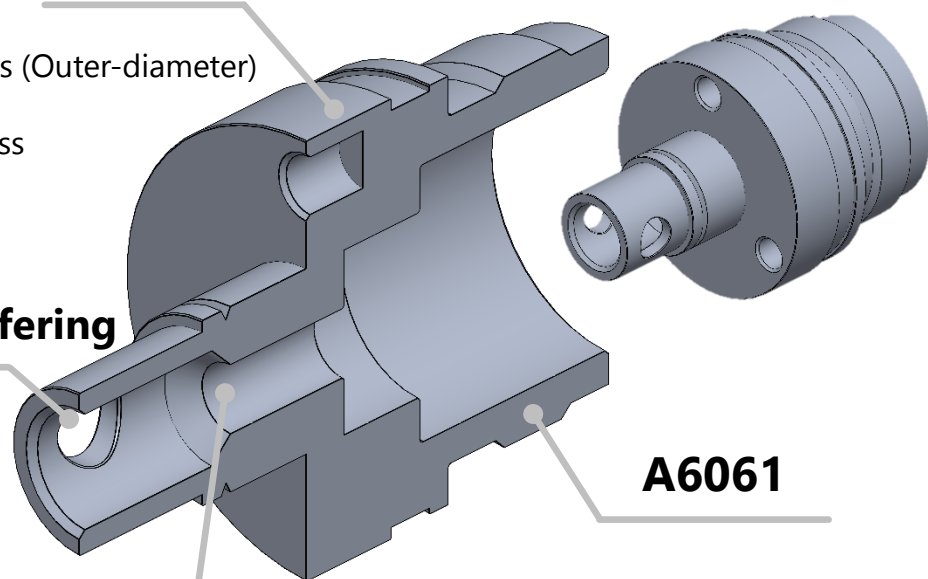**LFV mode 1**
Breaking up of chips (Outer-diameter)
>> Turning process
>> Grooving process
>> Cut-off

Cross-hole Chamfering
Using 3D chamfering

A6061

LFV mode 1
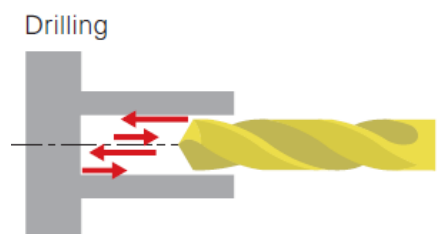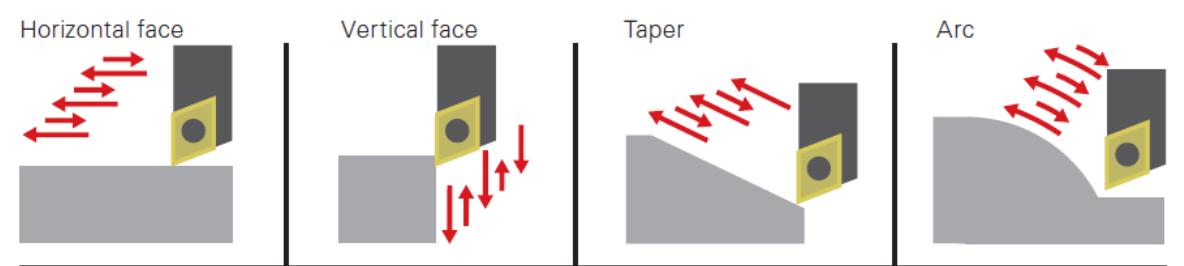Breaking up of chips (Inner-diameter)
>> drilling process
>> Boring process

* LFV mode-1 covers almost all machining processes.

Machine Specification

- **Main spindle**
  (Max 20(25)mm Dia./ 10,000 RPM)

- **Back spindle**
  (Max 20(25)mm Dia./ 8,000 RPM)

- **Turning tool**

- **Rotary tool (Cross, End-face)**

- **Simultaneous machining 4 axis**
  (X,Y,Z,C)

LFV technology

Highlight machine

LFV (Low frequency vibration)

The servo axes are vibrated in the axial direction using a unique control technology where by cutting is performed while synchronizing this vibration with the rotation of the spindle

Horizontal face | Vertical face | Taper | Arc

Drilling

Mode 1: Turning and drilling
Define the number of vibrations per workpiece rotation

Main Machine Configuration

Rotary tools for cross machining
4
Max.6,000min⁻¹ (Rating:4,500min⁻¹)

One Rotary Tool position is Quill Type

Tools for front drilling
4 (φ25.4)

X1

Y1

Turning tools
5(☐12, ☐13)

Front spindle
Max.10,000min⁻¹
GB:200mm/1 chucking
GBL:2.5D/1 chucking

Z1

End face drilling spindle
BSE607

Both end face drilling spindle
BSE707

1 shift tool holder
GTF6312 (☐12)
GTF6313 (☐13)

X2   Z2

Back spindle
Max.8,000min⁻¹

Tools for back drilling
8(4+4,φ25.4)

U153B Option
Rotary tools on the back tool post

Tungaloy Member IMC Group
NTK CUTTING TOOLS Member IMC Group