selfeeder **SERVO series**

Data input system

Sugino's program input system; high-efficiency and easy-operation.

Processing program inputting method (Option)

For controller UC-81A, 82 and 83A, Sugino has **3 options** for inputting data, confirming the condition, single unit manual operating, and seeing alarms.

1 Programming console PC-03B

Key input small sized monitor type

Compact sized and light weight monitor which can set the stroke and spindle rotation speed in a one touch operation. With minimal key strokes quickly input programs.

Attached cable (3m)

2 Touch panel TP-01

Easy operation by touch panel

5.7inch color type liquid crystal pouch panel. Beginners are also able to produce and operate CNC programs very easily.

Indicate language:
→Japanese, English, Chinese and Korean
Attached cable (3m)
Back up memory (Option):
→Compact flash card (32MB)
→Compact flash reader writer
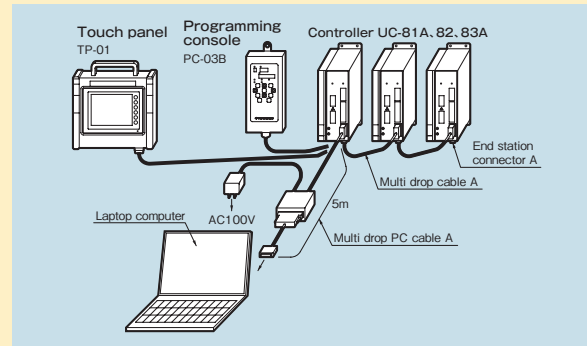
3 PC monitor soft

Programming operation from your PC

Use exclusive type monitor software which can do programming operation from your PC. Special cable for connecting with your PC is required.

Working environment
→OS Windows 95/98/XP (The mode setting is necessary)
Communication interface
→RS232C-port

■Multi drop connection

By connecting multiple controllers with multi drop cable, programming can be achieved without pulling out cables. (Maximum 10 controllers are connected.)
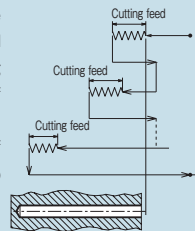

Touch panel TP-01 / Programming console PC-03B / Controller UC-81A、82、83A / End station connector A / Multi drop cable A / Laptop computer / AC100V / 5m / Multi drop PC cable A

Process patterns

14 process patterns included in the UC-8∗ Controller.
Simply choose suitable pattern for your processing specification.

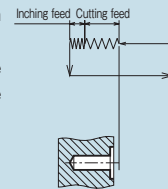| Pattern No.	Function
01	Drilling
02	High-speed deep hole drilling (Step feed drilling)
03	Deep hole drilling (Step feed drilling)
04	Quill pipe drilling (Skip feed drilling)
05	Drilling Counterboring
06	Drilling (with inching feed)
07	High-speed deep hole drilling (with inching feed)
08	Deep hole drilling (with inching feed)
09	Quill pipe drilling (with inching feed)
10	Drilling Counterboring (with inching feed)
11	Back chamfering
12	Quill pipe multi-step drilling (with inching feed)
13	2-step front/rear chamfering
15	Non-step deep hole drilling

●Example of process patterns

No.03 Deep hole drilling (Step feed drilling)

Applied for Deep hole drilling, generally referred to as step drilling. Cutting oil delivered to edge of drill bit because the drill bit is pulled out of workpiece in each step motion.
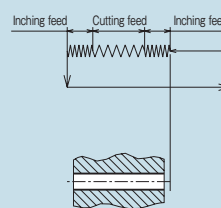

No.05 Drilling Counterboring

Applied to perform counterboring after drilling. Also applied to reduce burrs on the rear surface at through hole drilling.

No.06 Drilling (with inching feed)

Applied to reduce burrs on the both front and rear surface.

No.09 Quill pipe drilling (with inching feed)

Capable of inching feed for process pattern No.4 when drill biting and through-hole are performed.
Helps to reduce burrs.