![TAKEUCHI MANUFACTURING CO., LTD.]

Servo Feeder (T-SF100) Control System

Reference Exhibition

TAKEUCHI developed a motion control system of Servo Feeder (T-SF100).

MOTION CONTROLLER *

SSCNET *

GOBBER   FEEDER   SHEAR

* "MOTION CONTROLLER", "SSCNET" are a registered trademark by MITSUBISHI ELECTRIC CORPORATION.
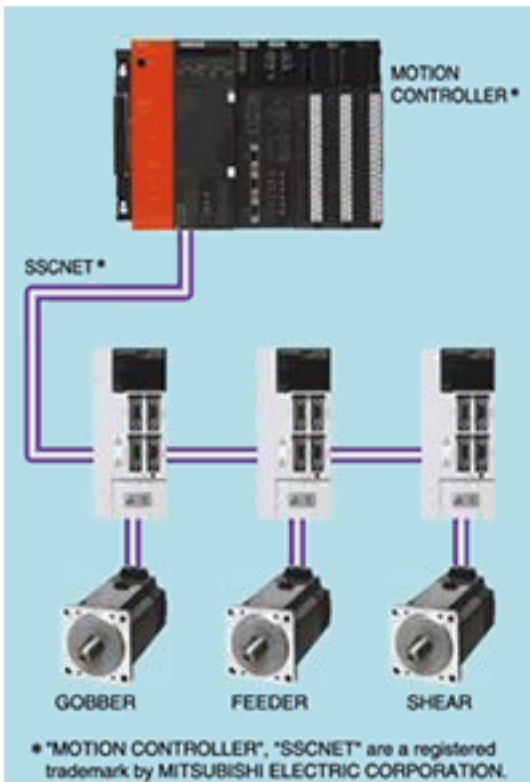
*We realized **the complete synchronous control** using AC servo motor in three axis ; Feeder axis, Gobber axis, Shear axis*
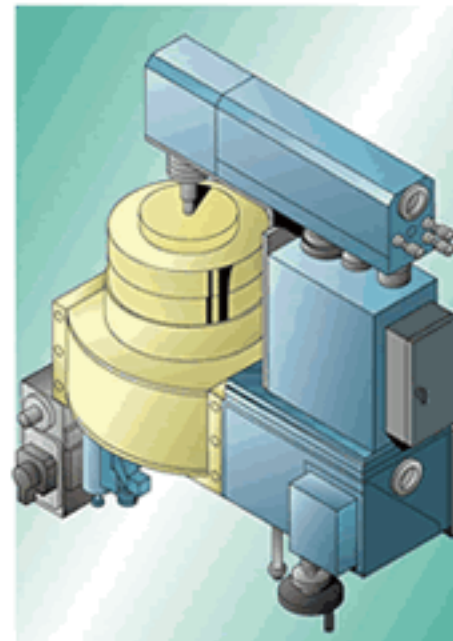
Specification

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Gob weight ;	Max. 800g
Cut cycle ;	Max. 15dpm
Gobber rotation speed ;	Max. 10rpm

Gobber Rotation Control

Realize phase control with a Feeder cycle.
● Phase precision ···1/6 degree

Feeder Control

Provide the high precision of Feeder lower dead point.
Make a Feeder curve using an electronic cam.
Easy to change a Feeder curve by passage point setting at real-time.
Easy to support Two Gob system by passage point adding.
● Feeder cycle precision ······3.5ms
● Stroke dispersion ·············0.2%
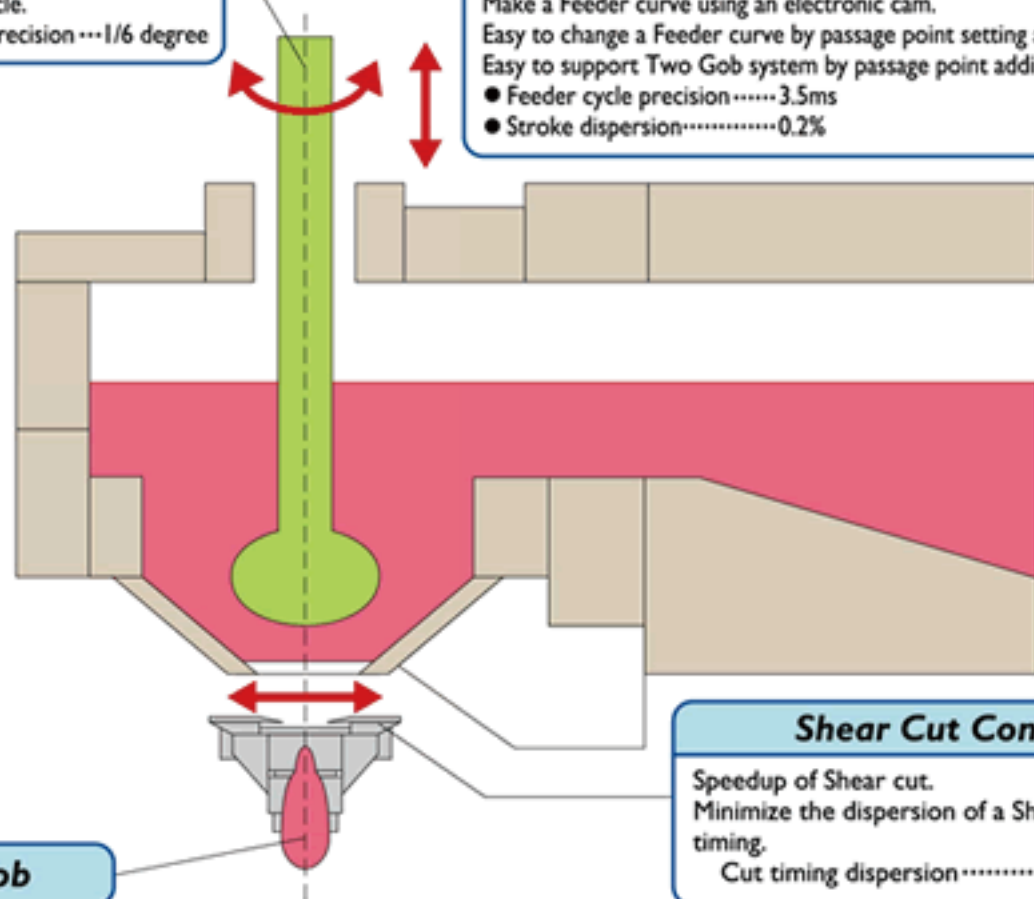
Shear Cut Control

Speedup of Shear cut.
Minimize the dispersion of a Shear cut timing.
 Cut timing dispersion ··········15ms

Gob