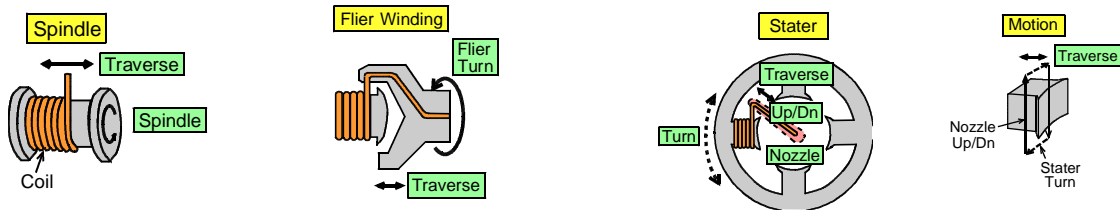


# Winding Motion Controller

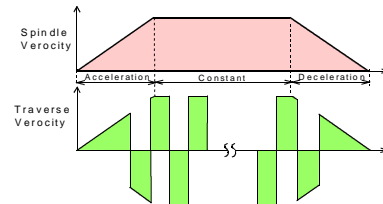
This controller operates alignment windings easily such as Spindle/Flier winding by short commands. We provide the pre-programmed EXCEL software (REELEX) for customers to operate various windings easily. On the basis of many experiences, we can customize this controller for unique windings.



## Windings command

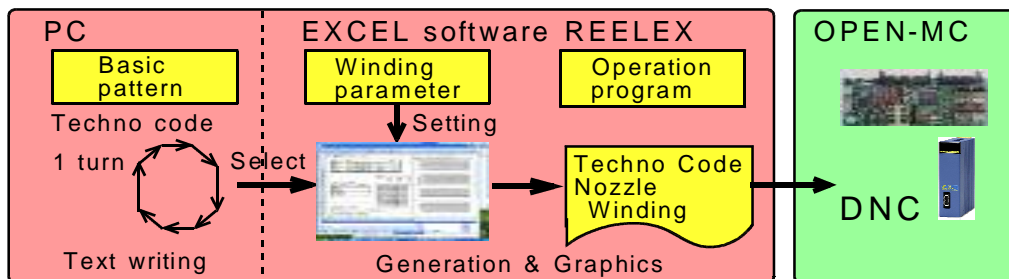
REEL X [Traverse] P [Pitch] RN [TURNS] A [Spindle speed] RE [End type]

Execute precise coil windings by 1 line code  
 Pitch can be set within 1 pulse.  
 End type : any position (same pitch)  
           : starting side  
           : opposite side



## Nozzle windings by EXCEL software [REELEX]

REELEX operates windings programs by setting parameters for nozzle winding or specific windings.

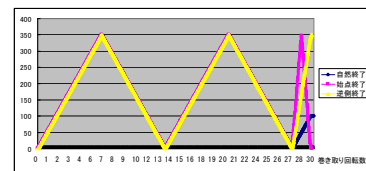


- NC Technology for precise winding  
 Accurate contouring and continuity  
 Synchronization on Spindle and Traverse

- ex. Precision Analysis  
 blue: any pink: start yellow: opposite  
 REEL X350 P50 N30 S300 E0;

- Precision Analysis  
 Quantitative analysis for the precise synchronization

Y: Traverse  
 X: spindle



- TECHNO code & G code  
 Easy to define various motions such as welding/precise cutting in addition to the winding

- Custom-made for winding command  
 Exclusively design a special type of winding on the basis of rich experiments

- Ex. Operating Program
  - ◆ Helical (Auto Terminal Wrapping)  
 CIRR X0 Y0 I100 J0 Z100 F1000
  - ◆ JUMP · INDEX  
 PTP X1000 Y1000

## Open Motion Controller for Winding

- ◆ SLM4000  
 one board stand alone  
 4 pulse train axes control  
 32 inputs 32 outputs  
 RS232 /USB
- ◆ PLMC-MIEX  
 plc module type  
 MECHATROLINK- II  
 4/9/16 axes Max 30 axes  
 extension by plc other modules



- ◆ PLMC40  
 plc module type  
 4 pulse train axes control  
 16 inputs 16 outputs  
 extension by plc other modules
- ◆ Multi Axes Motion AMP.  
 Motion Control  
 Servo AMP. Max 7 Axes  
 42 inputs 42 outputs  
 (max 256/256) Cable-less

