

# Robot Motion Controller

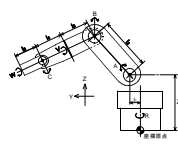
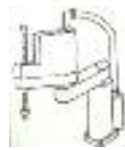
This package controls SCARA and XYθ plane as option. Also we customize other mechanism such as Jointed Robot and Paralleled mechanism on the basis of various experiences. By introducing this package, your machine performs higher productivity

## Merits

- ◆ The cost-effective in-house production  
Implementation is easy and your machine adjust new motions in a short period.
- ◆ The pursuit of Proprietary Technology  
Provide cooperative research and development opportunities that enable customers broaden the application of their proprietary technology
- ◆ Confidentiality  
Protect the confidentiality of in-house production
- ◆ Utilization for special kinematics machine  
Practically apply the kinematics machine such as cutting machine or assemble machine where Rich Motion Functions give opportunity for various motions

## Robot Mechanism

- ◆ XYZ robot (standard)
- ◆ SCARA (option)
- ◆ XYθ-parallel mechanism (option)
- ◆ Vertical Jointed Robot (semi custom)
- ◆ 6-AXES Parallel mechanism (semi custom)



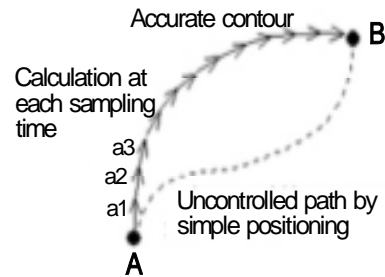
## Accurate Contouring

- ◆ Small interpolation with precise continuity
- ◆ Accurate and smooth contouring

## Kinematics Calculation

- Calculate kinematics in each sampling time, which gives the smooth and accurate trajectory

## Accurate Trajectory



## Operation Program (TECHNO code & G Code)

Easy to define the type of operations by using popular motion codes

## Rich Motion Functions for practical use

Practical options for transfer/cutting/welding/trimming/assembling  
Wide variety of applications

### ex. options

macro, torque control, multitask, direct NC (DNC), touch screen, corner override, S-curve acceleration/deceleration, manual pulse generator, tangent-control, precision position sensor, synchronization, parallel axes control.

## Touch screen & custom-made software

Manipulate machines by Touch screen or customized software

### ex. Touch Screen



### ex. Screen of customized PC software



## A variety of kinematics

Efficiently customize software on the basis of various experiences

## Open Motion Controller for Robot Motion Controller

### ◆ SLM4000

one board stand alone  
4 pulse train axes control  
32 inputs 32 outputs  
RS232 /USB



### ◆ PLMC-MIIEX

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

