Robot Control Package

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**
  - Calculation at each sampling time

- **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

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