Multi-Axis Soft-Motion Controller KSMU-08

Motion controllers are now essential in FA (Factory Automation). KSMU-08 has been developed on the concept that force control, vibration suppression and low jitter can be realized using machinery or equipment manufacturer's own control algorithm. KSMU-08 is a next-generation soft motion controller applicable to nano-processing of semiconductor wafers, non-linear processing for injection-molding, forming machines etc., high precision, high-speed machines like chip mounters and vision analysis machines etc.

Features

- Enable user's own force (load) control and 2-inertia systems control
- Multi-axis, high speed and high performance is secured by the strongest motion network. (SynqNet, SERCOS etc.)
- Soft motion controller: Control algorithm developed by customers with C language or MATLAB (simulators)
- Safety controller: High proof environment, built in a Web controller (semi-optional)

Main Specifications / Performance

- Dimensions: 150mmW × 280mmH × 330mmD
- CPU: 3 U-Compact PC1 × 4 Slots
  - CPU by INOVA, motion control board by MEI, and other input/output PCB
  - OS = Embedded Windows XP
- Motion network:
  - Compatible to high performance motion network SynqNet. Servo refresh rates 48 kHz
  - Expansion to maximum 32 axes is possible.
  - Maximum cable length of 100 m
  - Fault tolerance (two-way loop permitting cable cutting)
- Remote monitoring · Built in a Web controller (semi-optional)

Torque Force Feed Back Composition

KOYO ELECTRONICS INDUSTRIES CO., LTD.