CNC Solution

Integrated Total Solution for the CNC Machine Tools Industry

New Architecture Customized Interface

- The new multi-core processor hardware architecture greatly upgrades computing capacity
- The flexible interface editing function easily makes an exclusive controller meet customer needs

EtherCAT Field Bus

- Integrates Delta EtherCAT servo drive system and I/O modules to form a complete CNC solution, with cable lengths up to 1,000 m

Multi-Axis / Multi-Paths / Multi-Configuration

- Maximum 4 paths, 24 feed axes, and 8 spindles
- Simultaneously controls up to 16 feed axes and 5 axes interpolation in a single path
- Achieves multi-paths control of machining and loading & unloading at the same time

High Speed, High Precision

- 4,000 blocks look-ahead and 4,000 bps processing capability
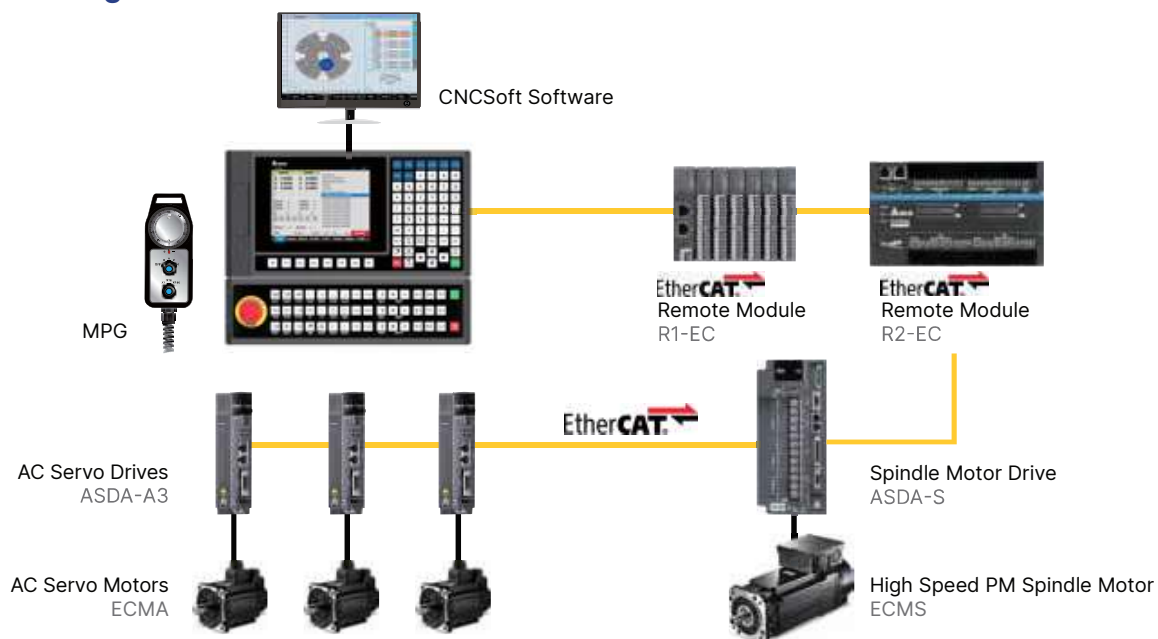- Fine machining is achieved by 1nm command resolution

Integration Capability

- Built-in dual Ethernet port to satisfy intranet and extranet applications
- Integrates the intelligent platform through CNC API library

Industry Features

- Integrates industry-specific CAD/CAM software to simplify complicated operations and reduce training resources

System Configuration

CNCSoft Software

MPG

EtherCAT Remote Module R1-EC

EtherCAT Remote Module R2-EC

AC Servo Drives ASDA-A3

EtherCAT

Spindle Motor Drive ASDA-S

AC Servo Motors ECMA

High Speed PM Spindle Motor ECMS

Applications

CNC machining centers, High-speed tapping machines, Engraving machines, CNC gantry control machines, CNC woodworking machines