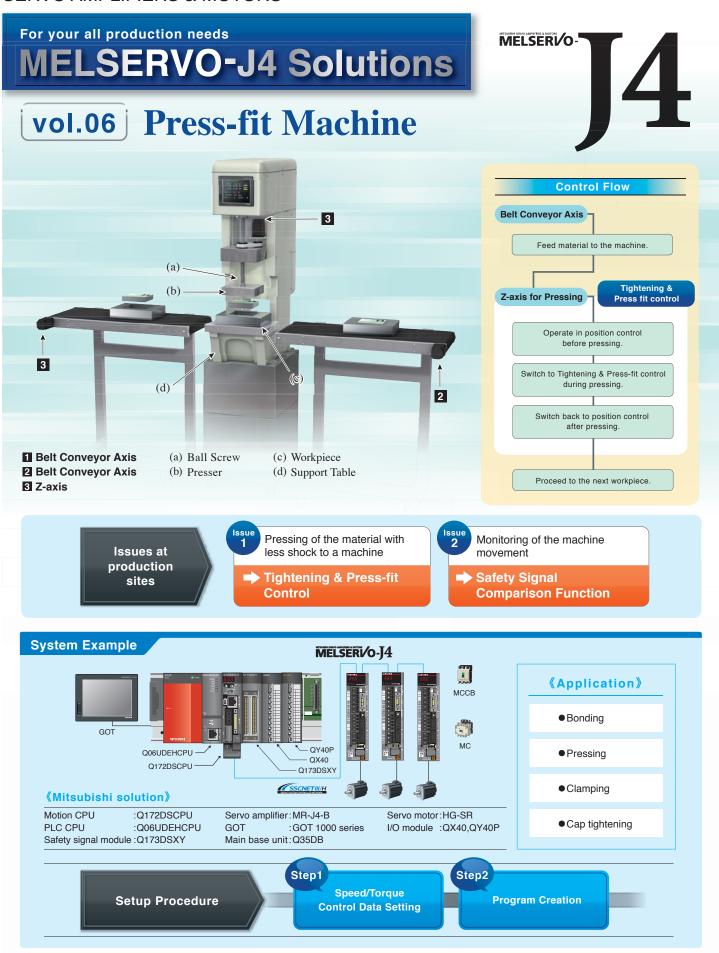
MITSUBISHI ELECTRIC SERVO AMPLIFIERS & MOTORS

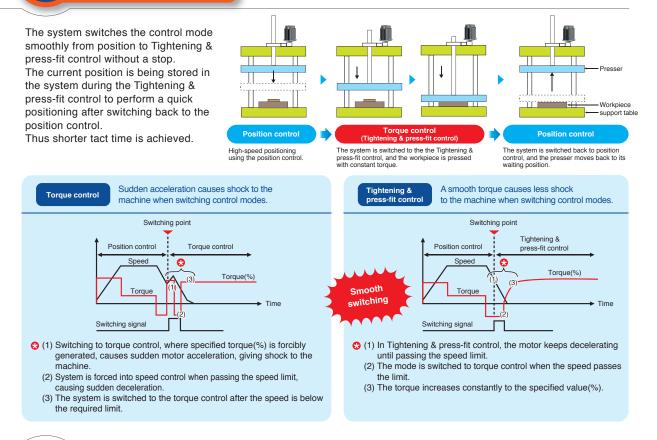
Changes for the Better



 ${\bf 4}$ Offering the Best Solution

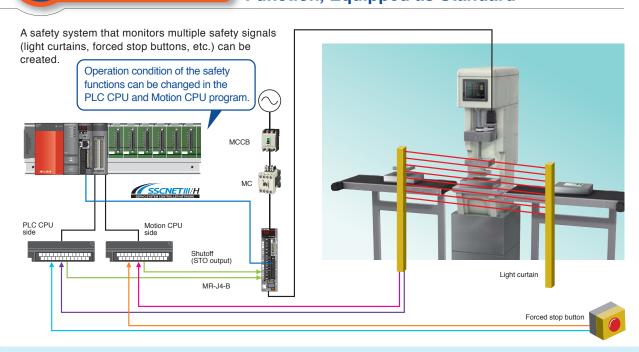
Solution Tightening & Press-fit Control

Achieving Shorter Tact Time with Quick Switching, and Less Shock with Smooth Movement

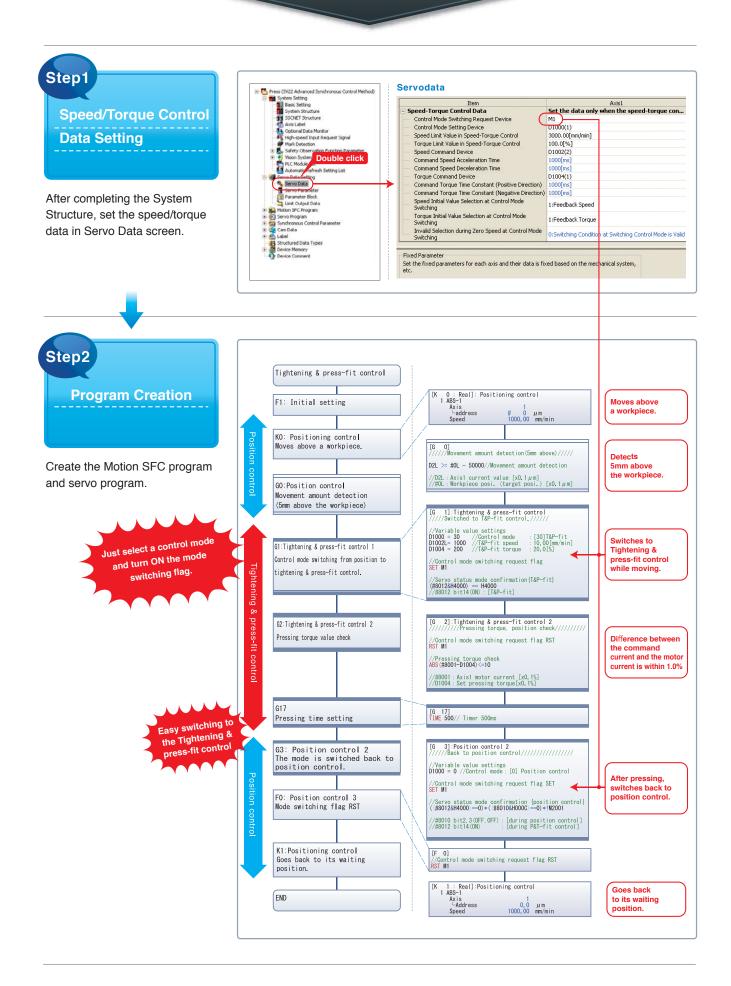


2 Solution Safety Signal Comparison Function

Motion Controller and Servo Amplifier (MR-J4_-B) Ensuring Your Safety with the Safety Observation Function, Equipped as Standard



Setup Procedure



MISUBISHI SERVO AMPLIFIERS & MOTORS

MELSERI/0-J4 The Leading Edge in Safety and Convenience **Features** Safety Function Compatible with Safety Function IEC/EN 61800-5-2 as Standard [Shut-off by STO function] [Shut-off by STO and SS1 functions] MELSERVO-J4 series servo amplifiers have integrated STO (Safe Torque Off) and SS1*1 (Safe Stop 1) functions. Safety system is easily configured Molded case Molded case circuit breaker (MCCB) circuit breaker (MCCB) ļ J in the machine. (SIL 2) Safety Magnetic contactor for relay circuit Magnetic contactor for preventing unexpected preventing unexpected Turning off the control power of servo amplifier is start is no longer required start is no longer required not required, cutting out the time for restart. 1 Magnetic contactor (MC) Magnetic contactor (MC) Additionally, home position return is not required. for servo alarm servo alarm* Magnetic contactor for preventing unexpected Safety equipment (MR-J3-D05, safety programmable motor start is not required.*2 controller, etc.) SS1 signal MR-J4 MR-14 *1. Safety equipment (MR-J3-D05, etc.) is required. *2. Two magnetic contactors are not required when STO function is used. However, in this diagram, one magnetic contactor is used to shut off the power at alarm occurrence MR Configurator2, the User-friendly Software for Easy Setup, Tuning and Operation Easy to Use **Graph Function** Machine Analyzer Function The number of measurement channels is increased to 7 Input random torque to the servo motor automatically channels for analog, and 8 channels for digital. Display various and analyze frequency characteristics (0.1 kHz to 4.5 kHz) of a machine system just by clicking the servo statuses in the waveform at one measurement, supporting [Start] button. This function supports setting of setting and adjustment. Convenient functions such as [Over write] for overwriting multiple data and machine resonance [Graph history] for displaying suppression filter, etc. (Part 1-1-graph history are available. Waveform measurement for the Measurable connected axes is mechanical characteristics simultaneously performed via Motion controller communication. NEW Patent Maintaintenance Function Powerful Maintenance Support with Machine Diagnosis Function pending This function detects changes of Machine information is [Monitoring with monitored. MR-J4-B Changes are machine parts (ball screw, guide, MR Configurator2] detected by bearing, belt, etc.) by analyzing automatically Personal estimating friction SSCNET III/H GOT machine friction, load moment of computer compatible Motion controlle Command inertia, unbalanced torque, and changes in vibration component Servo from the data inside the servo status data amplifier, supporting timely maintenance of the driving parts Encode Ball screw Servo motor Solution Man, machine and environment in perfect harmony MITSUBISHI ELECTRIC CORPORATION

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