On board integrated solution for decentralized machine architecture

Ideal for decentralized machine architectures, the DI2020 drive integrates the servo control directly on board of the FAS H series of high efficiency brushless motors.

Following the evolution of motion control towards solutions with distributed electronics, the DI2020 allows the implementation of a decentralized architecture of the machine controls, with a consequent greater freedom of design compared to traditional centralized cabinet solutions.

This flexibility ensures substantial savings in installation times and necessary materials. With a remarkable reduction of wiring and overall dimensions of the system, it facilitates installations in environments with limited space for control cabinets.

The DI2020 finds its ideal application in machines with modular and open architecture, requiring high precision and maximum dynamic, with quick and accurate execution of movements.

The Safe Torque Off (STO) and Safe Brake Control safety functions are integrated in the standard equipment of every DI2020 model.

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- Reduction of the number of connections and potential failures
- Reduction in component size and number
- Adjustable 90° connectors
- Design simplification
- Significant reduction of costs and installation times
- Possibility to power remotely moving sections of the machine
- Integration with the DM2020 multi-axis system allowing a reduction of the overall energy consumption of the system

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- Industrial machinery with decentralized architecture