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# Keep processes running and productivity optimized

## Siemens tiastar™-Smart and tiastar-HD: Driving profits for the food and beverage industry

### Siemens tiastar-Smart Motor Control Center – Intelligence for Continuous Control

Competitive challenges, energy and commodities costs, regulations, environmental variables – in process industries, the pressures never stop. Nor should your operations. The key to maximizing output, and your competitive advantage, is to keep material and work moving. The Siemens tiastar-Smart Motor Control Center helps you keep processes in operation by avoiding potential faults that can bring production to a halt.

### Built-in diagnostics and protection

Motor faults occur for a number of reasons: overloads, voltage issues, mechanical failures. Whatever the cause, impending faults give warning signs. The tiastar-Smart MCC allows you to monitor operational data in real time to identify potential problems and take preventive measures before a fault occurs. Additionally, better visibility into your process helps you maximize efficiency throughout the system.

### Protect, monitor and control the entire process

The new tiastar-Smart MCC offers these benefits for automated processes:

Savings	Flexibility	Consistency	Efficiency
Siemens tiastar Smart MCC allows you to avoid unnecessary engineering costs with pre-designed, built-in functionality. Easier configuration and commissioning save time and money. Integrated motor status monitoring saves service and maintenance costs. Detailed diagnostic data allows quicker troubleshooting of problems. Monitoring power saves energy costs.	Siemens tiastar-Smart MCC is designed for easy customization. Plug-and-play expansion modules provide new functionality with no new wiring and little costs. When demands change, reconfigure processes quickly, without programming, without re-engineering circuits and without extra wiring and hardware.	Automatic process adjustments can ensure product consistency regardless of environmental parameters. Monitor key process variables such as motor current, voltage and external temperature. Automated variable adjustments control parameters, keeping processes up and maintaining product consistency and quality. Plus, autonomous back-up function assures production continuity if the network fails.	Providing real-time visibility into your processes, Siemens tiastar-Smart MCC delivers vital operating information, detecting component fatigue for pre-emptive maintenance and motor management. It also monitors energy factors such as current, power, voltage, power factor, operational hours and number of starts, allowing you to optimize energy efficiency and maximize operational efficiency and output.

Answers for industry.

Siemens tiastar-Smart  
and tiastar-HD:  
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## Save floor space and increase production capacity

### Siemens tiastar™-HD Motor Control Center – High performance in a smaller footprint

When physical space is at a premium, the tiastar-HD features a smaller footprint to enable greater production capacity. The tiastar-HD is engineered to fit equivalent control equipment into a space up to half the size (6" units versus standard 12"), while still adhering to UL and NEMA standards. This user-friendly motor control center can open your facility for all available production space to maximize revenue.



### Fit more control into less space

The new Siemens tiastar-HD MCC delivers big benefits in a smaller package:

#### Savings

The reduced footprint means fewer sections required, which lowers the investment cost.

#### User-Friendly Operation

The modular plug-and-play units are easy to install, remove and service. White interiors provide improved visibility.

#### No Compromises

Design and construction meet UL845 and NEMA standards, Siemens tiastar-HD MCCs use NEMA contactors to achieve the reduced footprint for FVNR sizes 1-4.

#### Flexibility

Modular units designed for plug-and-play performance to meet your needs.

To find out more about how Siemens tiastar MCCs deliver solutions for the food and beverage industry, contact your Siemens representative today.

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