



FACTORY AUTOMATION

No.15-11E

New Product RELEASE

INVERTER FR-A800 Plus

The optimum functions for roll to roll applications are added.



FR-A800 Plus series 6210

Release of the new roll to roll dedicated inverter, FR-A800-R2R

The FR-A800-R2R inverter has various dedicated functions such as winding diameter calculation, providing stable winding/unwinding control independently.



Roll to rol dedicated model with unctions optimum for winding/unwinding

System simplification Stable winding/unwinding can be achieved by the inverter alone. Wide range of applications

Easy startup and adjustment Parameters can be used for mechanical adjustment according to applications.

The inverter can be used in various systems.





A variety of roll to roll dedicated functions are supporting various systems.



to the material is maintained constant by adjusting the

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variable tension on the winding and unwinding sides.

Application example Wire drawing machine

Dancer feedback The FR-A800-R2R is useful for winding in the wire drawing machine. High-speed winding is offered for high-inertia loads. speed control



Relevant functions

Dancer feedback speed control

Winding diameter calculation function Speed control proportional gain compensation

A800 Plus

A new lineup of dedicated inverters for specialized fields are born Plus ! The optimum functions for each dedicated field are added to the already high performance and high functionality FR-A800 series inverter.

Winding/unwinding shaft

The tension is kept constant by accommodating the change in the winding diameter. Calculations are made for the acceleration/deceleration torque (inertia compensation) at a speed change and the mechanical loss torque.

Reference shaft

The line speed is controlled by driving the reference shaft.

Tension PI gain tuning

LINEUP

Standard model



Separated converter type



*1 Models can be alternatively indicated with the inverter rated current (SLD rating).

*2 Specification differs by the type as follows.

*3 Available for the 5.5K or higher.

*4 For the 75K or higher inverter, or whenever a 75 kW or higher motor is used, always connect a DC reactor (FR-HEL), which is available as an option.

Туре	Monitor output	Initial setting			
		Built-in EMC filter	Control logic	Rated frequency	Pr.19 Base frequency voltage
FM	Terminal FM: pulse train output	OFF	Sink logic	60 Hz	9999
(terminal FM equipped model)	Terminal AM: analog voltage output (0 to ±10VDC)				(same as the power supply voltage)
CA	Terminal CA: analog current output (0 to 20mADC)	ON	Source logic	50 Hz	8888
(terminal CA equipped model)	Terminal AM: analog voltage output (0 to ±10VDC)				(95% of the power supply voltage)

Release schedule

Now available

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