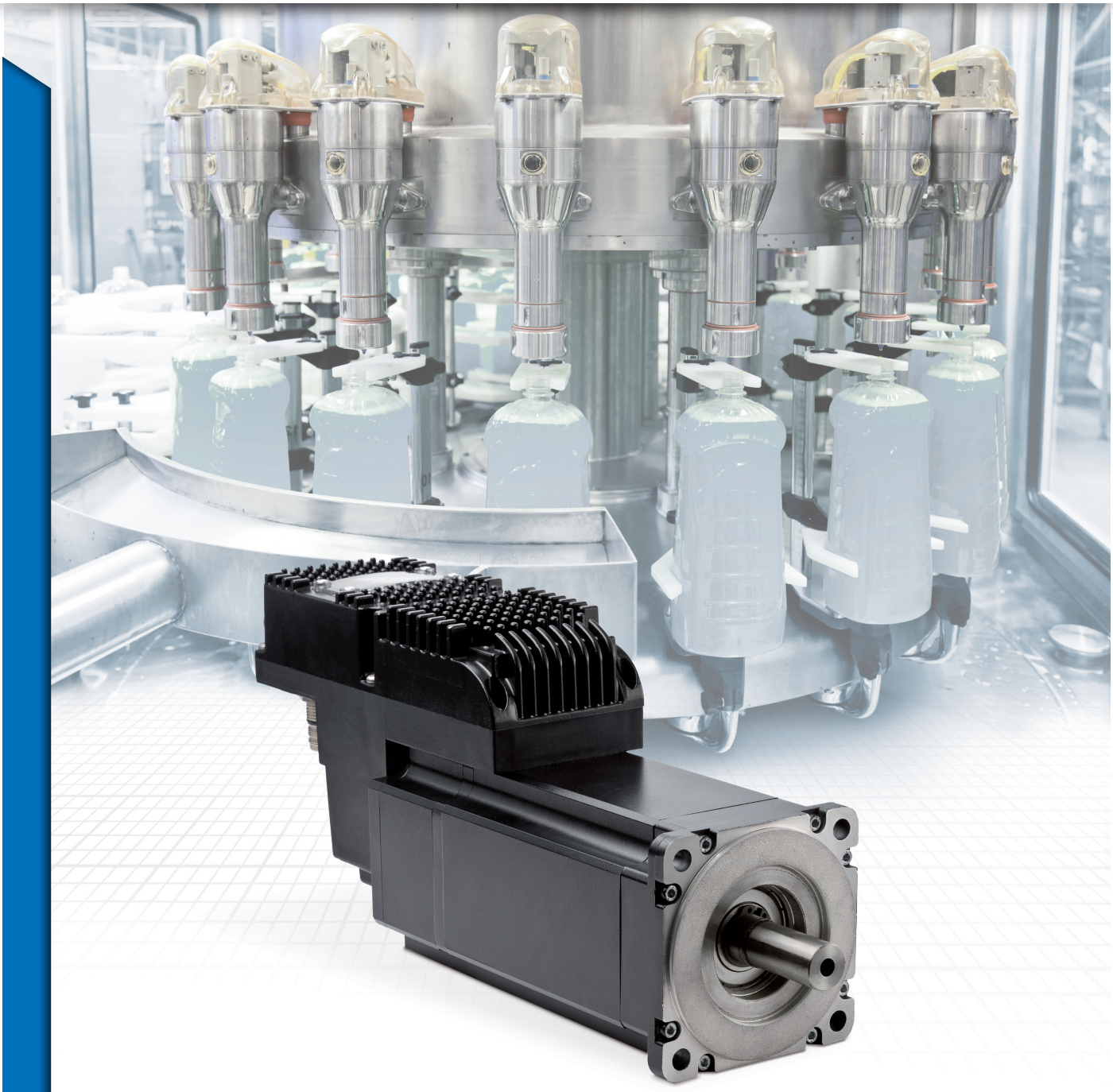
OMRON

Cabinet-free Servo System

Integrated Servo Motor

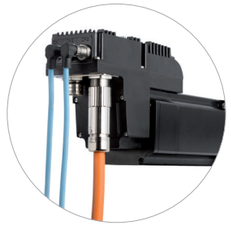


Cabinet space saving
Less wiring than a traditional servo
EtherCAT real-time network

SYSMAC
always in control

Integrated Servo Motor

The Omron servo system, integrating both drive and motor, provides space optimization and installation simplicity. Benefits include a reduction in both installation time and cable and electrical cabinet costs. The servo system is a flexible solution ideal for large machines or for machines with limited space for a cabinet. In addition, the integrated servo motor comes with local I/O for easy wiring of distributed signals and also has a built-in EtherCAT port that offers full integration within the Sysmac automation platform.

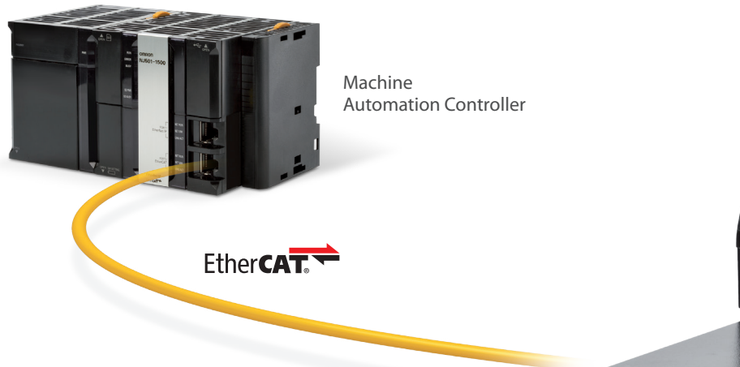


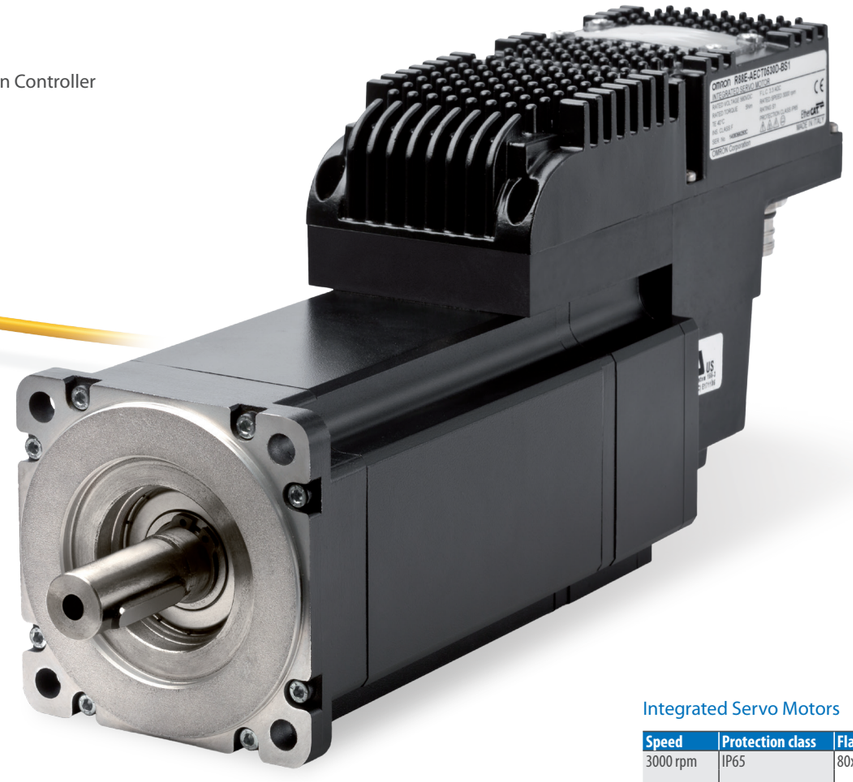
Less wiring, simplified installation

- Power for DC Bus and for logic control in one cable
- Embedded I/O for dedicated or general purpose
- IP65 plug connectors
- Pre-assembled cables for plug-in installation

Rotary filling machine

Packaging line





Sysmac platform

- The built-in EtherCAT port offers complete integration within the Sysmac automation platform providing motion control in real-time.
- The Sysmac Studio software, one Integrated Development Environment, is easy and intuitive. This software includes standard programming with PLCopen Function Blocks for Motion Control and IEC 61131-3 tasks optimizing the engineering time.

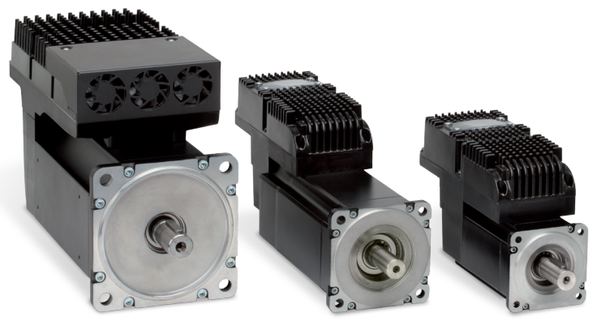
✓ With the Integrated Servo Motor solution you can **save up to 90%** of cabinet space

Features

- Wide range of motors: 2.55 Nm to 25 Nm
- 3000 rpm rated speed
- Space-saving. Cabinet reduction
- Energy saving by sharing the DC Bus
- Incremental and multiturn absolute encoder options

✓ Lower your energy consumption by sharing the DC Bus

✓ Your benefits will **include cable simplification** and **installation time reduction**



Integrated Servo Motors

Speed	Protection class	Flange	Rated torque	Capacity	Model*
3000 rpm	IP65	80x80 mm	2.55 Nm	880 W	R88E-AECT0230(D/E)-(B)S2
			3.2 Nm	1 kW	R88E-AECT0330(D/E)-(B)S2
		100x100 mm	4.3 Nm	1.35 kW	R88E-AECT0430(D/E)-(B)S2
			5.0 Nm	1.57 kW	R88E-AECT0530(D/E)-(B)S2
		142x142 mm	11.7 Nm	3.67 kW	R88E-AECT1130(D/E)-(B)S2
		190x190 mm	25 Nm	7.85 kW	R88E-AECT2530(D/E)-(B)S2

* Motor model type designation detail
D = Incremental encoder / E = Multiturn absolute encoder / B = Motor with brake (Blank = No brake) / S2 = Straight shaft with key

Power Supply Unit

Voltage input	Dimensions (W x D x H)	Output current	Output power	Model
400V Three-phase	82.4 mm x 270.6 mm x 352.5 mm	20 A	11.3 kW	R88S-EAD20R
		40 A	22.5 kW	R88S-EAD40R