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## Introducing the RC-SE Series of Environmentally Friendly Take-Out Robot with Smart ECO Vacuum Function

- Yushin Precision Equipment •

Yushin Precision Equipment Co., Ltd. (President: Takayo Kotani, Headquarters: Kyoto, Capital: 1,985.66 million JPY)—a major manufacturer of product take-out robots for plastic injection molding machines—has introduced the new RC-SE Series of take-out robots with low air consumption, available from July 14.

The new RC-SE Series includes a wide range of devices for target injection molding machines with a clamping force of between 30 and 1,300 tf (tons) to meet various customer needs.

### New Product Features

#### 1. Smart ECO Vacuum for Reduced Air Consumption

The RC-SE Series adopts Yushin's original ECO Vacuum™ technology for reduced air consumption.

Constant suction pressure monitoring ensures optimal vacuum start timing with up to a 78% reduction in air consumption. This helps reduce both electricity and equipment costs related to air compressors.

#### 2. Long Life Mode

Take-out robot drive speed is automatically adjusted according to the molding cycle, reducing the amount of power being used (5% reduction according to in-house measurements). This also helps extend the service life of the guide shaft and timing belt for even greater reductions in running costs.

### 3. Improved Productivity

As with Yushin's flagship FRA Series, the RC-SE Series optimizes vibration control on all axes for superior performance in various molding environments while predictive maintenance also helps minimize downtime. These and other factors all contribute to long-term improvements in customer productivity.

RC-SE Series devices have been priced (not including tax) at 4.15 million yen for target IMM clamping forces between 30 and 100 tf (RC2-0310D-SE), 5.15 million yen for target IMM clamping forces between 150 and 250 tf (RC2-1525D-SE), 6.15 million yen for target IMM clamping forces between 350 and 500 tf (RC2-3550D-SE), and 9.05 million yen for target IMM clamping forces between 1,000 and 1,300 tf (RC2-100130D-SE). Yushin expects to offer about 600 robots per year.

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