

# The Three Pillars of YUSHIN

## Robots



Take-out robots



Palletizing robots

Approximately two-thirds of plastic molded products are made by a process called injection molding. Plastic melted at high temperature is injected into the mold and then cooled to form molded products. Dedicated robots for removing plastic products from molds are called "take-out robots," which are installed on many injection molding machines and used in the production of a wide variety of products.

Take-out robot is playing an active role in manufacturing

a variety of plastic molded products, ranging from small parts inside smartphones to large parts such as automotive bumpers. Until now, YUSHIN has actively introduced a variety of industry-first technologies in pursuit of the speed of robots (Ref. p5, p6). In addition, palletizing robots that convert the mechanism of take-out robots are being sold to new users outside the plastics industry, such as the food industry, contributing to the automation of the work of loading cardboard boxes and other materials on pallets.

## Custom-Ordered Equipment



High-capacity stocker



Gate cut stock system

We offer custom-ordered equipment that supports the automation of each process before and after plastic products are taken-out. The stock system temporarily stores products taken out by take-out robots and supports continuous molding for long periods of time during the

day and night. The gate cut system solves the gate cutting problem of injection molding automation with high speed and high precision. We also offer various other custom-ordered equipment, such as insert molding automation systems and automated packaging systems.

## Parts and Maintenance Services



We have established a comprehensive maintenance and support system throughout Japan and around the world so that users can confidently operate our robots and custom-ordered equipment after they are introduced. We

provide high-quality service to keep customers' production running by responding quickly to the replacement of robots' consumable parts.