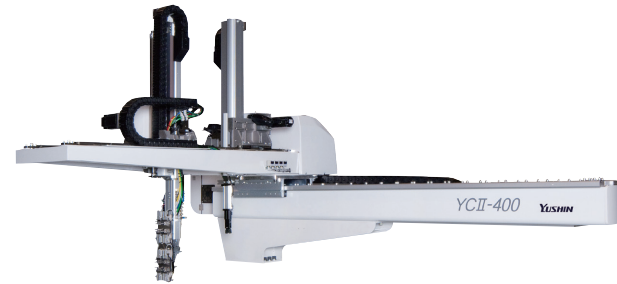


# 1 All-Axis Servo Driven Type Take-Out Robot

YCII-400S/D, YCII-600S/D-e

## YC II -400S/D, YC II -600S/D-e

Lightweight, vibration-resistant, power-saving models now support easy introduction in low-clearance installations



For CE supported languages.  
Please contact our sales  
department.

Clamping force **280 - 650 tf**

**S** Standard

Vibration control

Optimized design  
+ Power-saving

Low posture  
(Double speed mechanism)

All-axis  
servo-driven

### All-Axis Servo Driven Take-Out Robot for Energy-Smart Manufacturers

YC series robots benefit from much lighter components and structures by incorporating design optimization technology. This weight reduction results in significantly better energy efficiency and longevity. Design optimization also targeted factors like natural oscillation and damping characteristics to greatly reduce arm vibration. The YCII-400/600 models are sized for molding machines with clamping forces from 280 to 650 tf.

### Equipped with E-touch compact-YC as standard



- ECO Vacuum®
- ECO Monitor®
- Predictive Maintenance\*

\* Continuously monitors take-out robot during operation and alerts operator with a message if any signs of potential trouble are detected.

#### Standard Specifications

| Power supply                               |                           | Drive method                       |                     | Controller model   |                         | Working air pressure |                               | Flip angle      |                                      |
|--------------------------------------------|---------------------------|------------------------------------|---------------------|--------------------|-------------------------|----------------------|-------------------------------|-----------------|--------------------------------------|
| 200/220 VAC<br>(50/60 Hz)<br>Single phase* |                           | Digital servo motor<br>3/5-axis    |                     | E-touch compact-YC |                         | 0.49MPa              |                               | 90°             |                                      |
| Model                                      | Power consumption         | Traverse stroke<br>(mm)            | Kick stroke<br>(mm) |                    | Vertical stroke<br>(mm) |                      | Air consumption<br>(NL/cycle) | Payload<br>(kg) | Target IMM<br>clamp capacity<br>(tf) |
|                                            |                           |                                    | Main arm            | Sub arm            | Main arm                | Sub arm              |                               |                 |                                      |
| YCII-400S                                  | 2.2 kVA<br>200 VAC 11.0 A | 1700<br>(1900)<br>(2200)<br>(2500) | 1000                | —                  | 1100<br>(1300)          | —                    | 11.0<br>(ECO Vacuum OFF)      | 10              | 280-450                              |
| YCII-400D                                  | 2.8 kVA<br>200 VAC 14.0 A |                                    | 868                 | 868                |                         | 1100<br>(1300)       | 7.4<br>(ECO Vacuum ON)        |                 |                                      |
| YCII-600S-e                                | 2.2 kVA<br>200 VAC 11.0 A | 2200<br>(2500)                     | 1100                | —                  | 1300                    | —                    | 17.0<br>(ECO Vacuum OFF)      |                 | 400-650                              |
| YCII-600D-e                                | 2.8 kVA<br>200 VAC 14.0 A |                                    | 968                 | 968                |                         | 1300                 | 9.0<br>(ECO Vacuum ON)        |                 |                                      |

S type : Robot is equipped with main arm only. D type : Robot is equipped with main arm and sub arm.

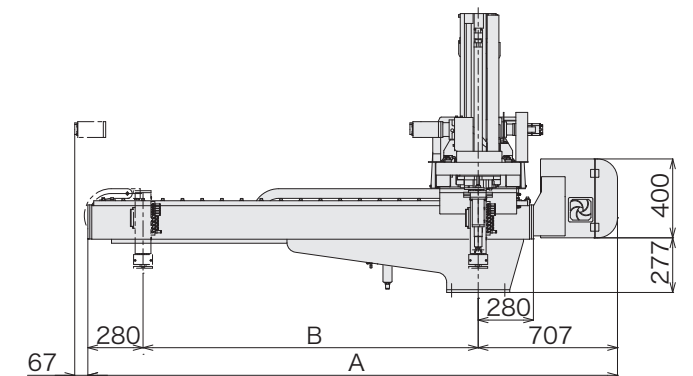
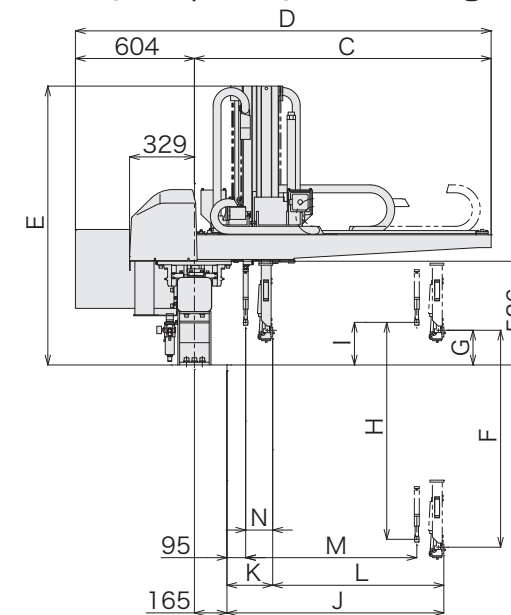
( ) : Modified stroke

Payload includes the end-of-arm tool.

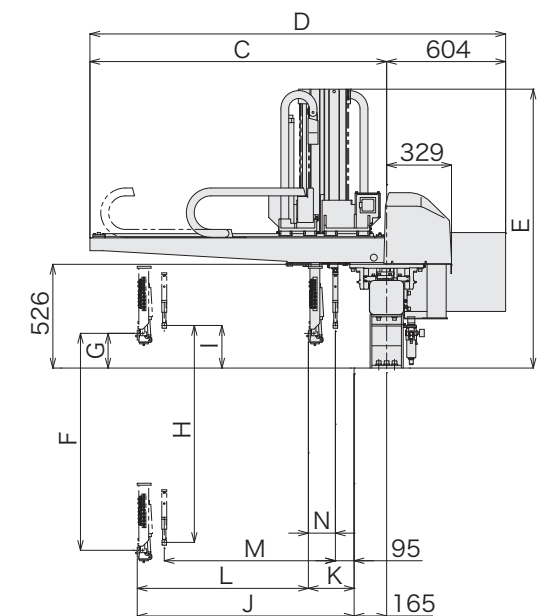
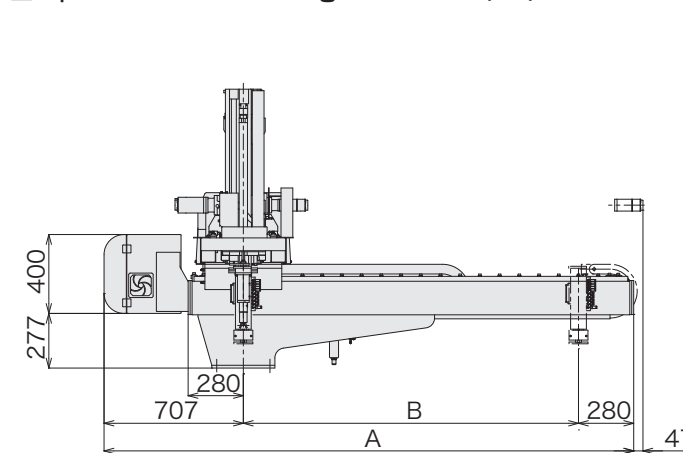
\* When using the High-Speed Traverse option of the YCII-400, a three-phase power supply should be used.

Separate catalog available

#### Rear (Non-operator) Side Discharge Direction (mm)



#### Operator Side Discharge Direction (mm)



(mm)

| Model       | A                                  | B                                  | C    | D    | E              | F              | G   |
|-------------|------------------------------------|------------------------------------|------|------|----------------|----------------|-----|
| YCII-400S   | 2687<br>(2887)<br>(3187)<br>(3487) | 1700<br>(1900)<br>(2200)<br>(2500) | 1505 | 2109 | 1414<br>(1514) | 1100<br>(1300) | 176 |
| YCII-400D   |                                    |                                    |      |      |                |                |     |
| YCII-600S-e | 3187<br>(3487)                     | 2200<br>(2500)                     | 1625 | 2229 | 1514           | 1300           | 86  |
| YCII-600D-e |                                    |                                    |      |      |                |                |     |

| Model       | H              | I   | J    | K   | L    | M   | N   |
|-------------|----------------|-----|------|-----|------|-----|-----|
| YCII-400S   | —              | —   | 1100 | 100 | 1000 | —   | —   |
| YCII-400D   | 1100<br>(1300) | 216 |      | 232 | 868  | 868 | 137 |
| YCII-600S-e | —              | —   | 1200 | 100 | 1100 | —   | —   |
| YCII-600D-e | 1300           | 126 |      | 232 | 968  | 968 | 137 |

( ) : Modified stroke

YCII-400S/D, YCII-600S/D-e

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