

# JADS SERIES

*All Electric Servo Drive Injection Molding Machine*

*Ultra-Speed All Electric Packaging Machine*



*Model*  
**J280ADS-300H-US**  
**J350ADS-460H-US**  
**J350ADS-1400H-US**  
**J450ADS-1400H-US**  
*Made in HIROSHIMA*

**JSW**



JQA-QMA13993  
JQA-EM6416

Offering the highest levels of productivity and reliability, the J-ADS Package Machine is an all-electric injection molding machine that achieves high-speed, high-accuracy thin wall molding while at the same time delivering energy savings and high rigidity.

Features include 24:1 L/D with M7 mixing screw and extended daylight for stack tools with sliding shoes for third plate. Our newest injection molding machine also offers:

## Ultra-Speed Injection

Injection speed of 19.69 in/s (500mm/s)

## Measurable energy savings

Power is regenerated during deceleration of each servo motor

## High-Speed plasticization

Faster RPM equals 20% improvement in PP plasticization

## High-Speed mold open/close

Clamp open/close speed increased by 20%

## Long Screw / Barrel

24:1 L/D provides plasticization and homogenous melt for fast cycles

## Ceramic Heater

Heater capacity at the H1 and H2 zone has been increased with ceramic bands to prevent any variation of the barrel temperature during high speed plasticization

## High Rigidity Bed Frame

The bed frames have been reinforced to reduce vibration during fast clamp cycles with heavy molds

## Regenerative Power System

Power is generated during deceleration of each servo motor.

(Approximately 6% is generated during mold open/close)



## Slide unit for 3-plate Support

Stack molds have center plates supported with sliding shoes on the linear guide rails.

50% increase in mold weight maximum over standard

## Double Flight M7 Screw (Standard)

Double flight prevents the unmelted resin from getting mixed into the heating barrel and allows the high speed screw rotation.

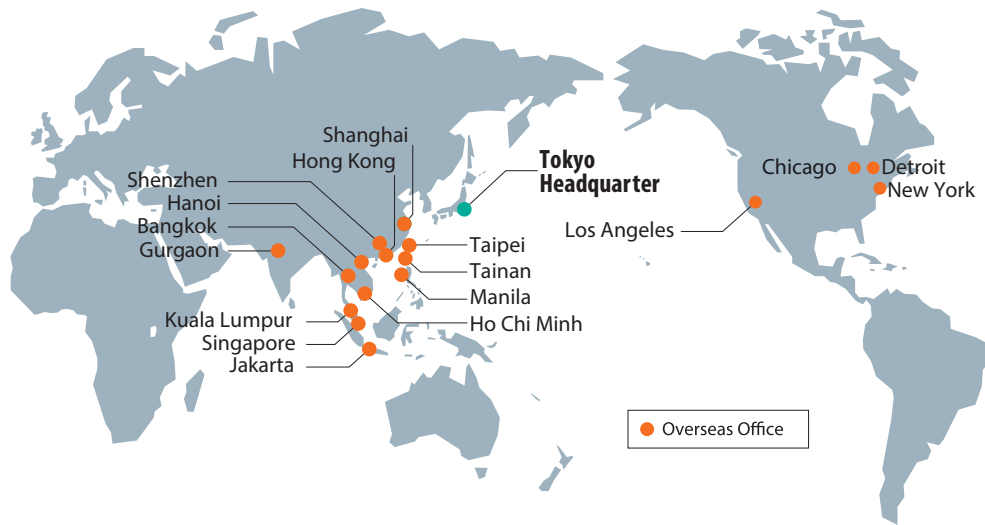
This will increase the plasticizing capacity (plasticizing rate) and decrease the molding cycle time.

## Maddock + Double Flight HP Screw (Option)

Combination of Maddock screw and double flight screw provides an excellent mixing of resin material; the dispersion problem does not occur even with a low back pressure during high-speed rotation of screw.

\*Plasticization rate is lower than M7.

Superior dispersion performance can be obtained with 10 to 100 times of master batches and 0.01% to 2% of dry color.



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