Model
J280ADS-300H-US
J350ADS-1400H-US
J450ADS-1400H-US

Made in HIROSHIMA
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

**Long Screw / Barrel**
24:1 L/D provides plasticization and homogenius melt for fast cycles

**High-Speed mold open/close**
Clamp open/close speed increased by 20%

**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.