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JAD SERIES
All Electric Servo Drive Injection Molding Machine
J220AD – J650AD
High-Speed Electric Packaging Machine J220AD – J650AD
Energy Saving / High Rigidity

“J-AD Series” Package Machine has taken the next step to achieve high speed thin walled molding.

The J – AD Package Machine includes high speed injection … 24:1 L/D with mixing screw; extended daylight for stack tools with sliding shoes for third plate and a redesigned bed to support heavier molds with fast cycles. All this combined with the energy savings of an electric machine.

This advanced technology unique to JSW has been accumulated over 50 years of making molding machines and results in injection molding expertise that is the envy of the industry.

Faster and more accurate, the J-AD Package Machine achieves the highest levels of productivity and reliability.

**HIGH SPEED INJECTION**
The acceleration/deceleration response time of set injection speed has been increased to be 2 times of the standard specification to support thin wall molding.

**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 SPEED PLASTICIZATION**
Faster RPM combined with mixing screw has improved PP plasticization by 20% to support high speed molding.

**HIGH RIGIDITY BED FRAME**
The bed frames have been reinforced to reduce vibration during fast clamp cycles with heavy molds.

**HIGH RIGIDITY PLATEN**
Platen deflection has been reduced by 20% compared to the standard specification; this will reduce part wall variation in multi-cavity tools.

**DAYLIGHT EXTENSION**
Maximum mold thickness has been increased to accommodate stack molds.

**LINEAR GUIDE RAILS FOR MOVING PLATEN (LGR)**
LGR insures higher precision while supporting multi-cavity heavier mold weights.

**MULTI-CIRCUITS PIPING FOR MOLD COOLING WATER**
Four large stainless steel water manifolds with 12 inlet and outlet are supplied.

**CONTROL SYSTEM RESPONDING TO HIGH SPEED MOLDING**
The electrical load capacity has been increased to 2.5 times of the standard machine, will not overheat during high speed molding.

**SLIDE UNIT FOR MOLD SUPPORT**
Stack molds have center plates supported with sliding shoes.

**LONG SCREW BARREL**
24:1 L/D provides plasticization and homogeneous melt for fast cycles.

**CENTER TOUCH IU MOVEMENT**
The nozzle touch force has been doubled and the stationary platen has zero deflection by nozzle touch.

**HIGH SPEED MOLD OPEN/CLOSE**
Clamp open/close speed has been increased by 20%.

**MULTI-CIRCUITS PIPING FOR MOLD COOLING WATER**
Four large stainless steel water manifolds with 12 inlet and outlet are supplied.

**CORE RELIEF**
Longer screw barrel with 24:1 L/D provides plasticization and homogeneous melt for fast cycles.

**CENTER TOUCH IU MOVEMENT**
The nozzle touch force has been doubled and the stationary platen has zero deflection by nozzle touch.

**HIGH PERFORMANCE SYSCOM 3000 CONTROLLER**
The 15 inch touch screen panel provides high operability and visibility.

**AUTO LUBRICATION SYSTEM WITH JS1 GREASE**
Our auto lube systems have been upgraded with JS1 grease ensuring maximum lubrication.

**CLAMPING FORCE FEEDBACK CONTROL (OPTIONAL)**
The clamping force is always monitored and automatically corrected to set value which improves degassing and part quality.

**REGENERATIVE ELECTRIC POWER SYSTEM**
Power is regenerated during deceleration of each servo motor (Approx. 6% is regenerated during mold open/close).

Complying with safety regulations: EU safety regulations (CE Marking) Industrial machinery industry safety rules (MIS K1001)