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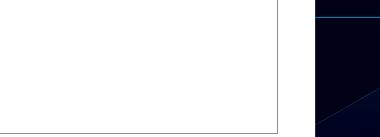
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Model J220ADS | J280ADS | J350ADS | J450ADS





The results of four generations of accomplis hments and new technologies-J-ADS



Providing the maximum safety to all of our cus tomers

AD Strong

Clamping Unit Lightweight high rigidity, low vibrations **Longer mold life**

* Hydraulic unit is optional

Reduced grease use for cleaner machine Clamping force feedback

Reduction in mold maintenance costs

AD Stable

Injection Unit New designed energy saving barrel **New proposals for screw technologies** Stabilization of molded parts **JSW** original recovery functions Wide selection of injection unit to customer needs

AD Smart

Controller Function enrichment with simple operation Simple display of process parameters **Molding condition memo** I/O customized function

AD Support

Energy-saving/

Energy-saving function Power consumption monitor Supporting reduction in power consumption Both predictive and preventive maintenance



-Premier quality in the industry

All Electric Servo Drive Injection Molding Machine

ADStrong Clamping Device

Rigid elamping device manufactured utilizing JSW's expertise in materials technologies. Produced from raw materials, is effective in assuring stable production.

Clamping Device

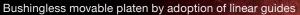
- Lightweight high rigidity, low vibrations
- · Longer mold life
- Reduced grease usage for cleaner operation
- Promoting proprietary manufacturing
- Flat press platen Chapter 2

Friendly to Molds

- Clamping force monitoring
- Clamping force feedback
- Reduction of mold maintenance costs
- Monitoring both mold open and close, and ejection process

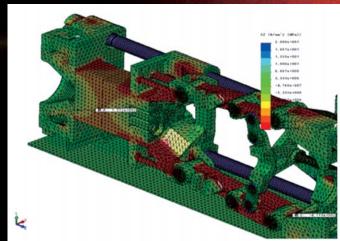
Mold Protection

- Simple auto setting
- Adjusts with mold temperature variations
- Molding-open monitoring, ejector monitoring













Mountable for Large-sized Mold

THE RESERVE OF THE PARTY OF THE		THE WEST OF THE STREET		BELLINE.
	J220ADS	J280ADS	J350ADS	J450ADS
Mold Height Min. – Max.	230~680	250~720	300~770	350~900
Tie Bar Distance (H x V)	650×590	730 ×630	810×730	900×810

(Unit mm)

-JSW proprietary development

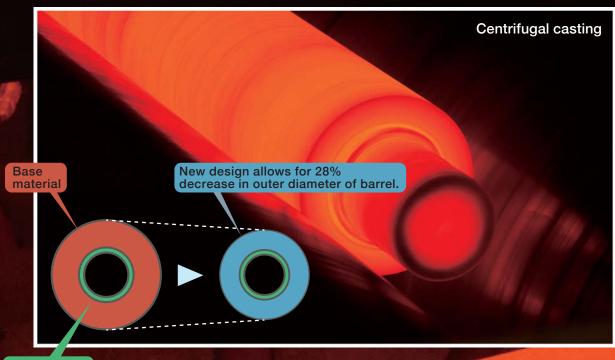
ADStable Injection Unit

ADS SERIES All Electric Servo Drive

The high precision measuring control and the screw variation response to every molding

New designed energy saving barrel

Reduced running cost, Shorter heat-up time



N-ALOY

New proposal for the screw technologies

- Design
 Manufacturing
- Materials Research and development (R&D)

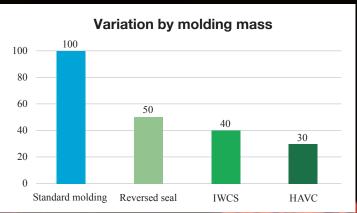


Stabilization of molding component Original measuring technology

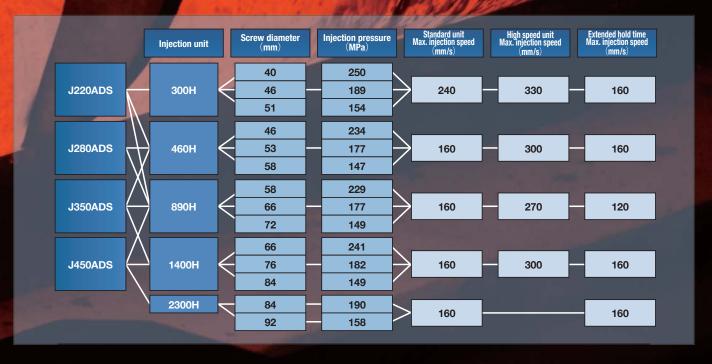
Actual cut away view of barrel



Recovery stabilization control (HAVC > IWCS > Reverse seal)



Wide module selection in response to the needs



- Improvement for operability/ visibility

ADS SERIES All Electric Servo Drive Injection Molding Machine

ADSmart Controller

Enriched advanced function-mounted new controller SYSCOM 5000i

Function enrichment by a simple operation

Main characteristics of SYSCOM5000i

- Large 15" display utilizing energy savings
 LED technology
- Improvement for visibility by expanding the setting screen
- Agile multi-touch operation
- Simple operation lever switch
- On screen instruction manual



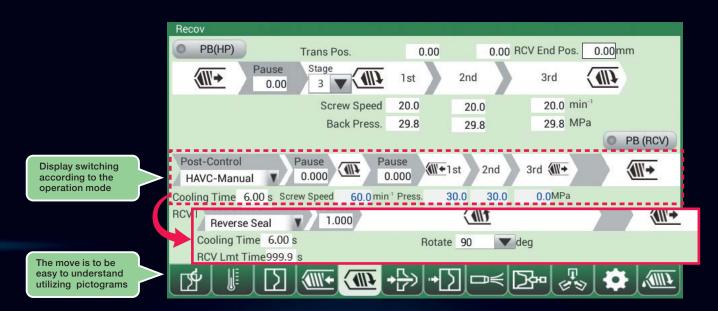






Easy to understand operation process display

Screen layout shows process sequence in each operation on mode.



With further convenient functions



Molding condition memo

Together with the molding conditions, the caution memo in molding and setting of the peripheral systems, and the image of molding components are able to be saved.

Maintenance memo

The history of the molding machine maintenance is able to record on the controller.

The periodical inspection items and the execution history can be checked on the controller.

I/O customized function

I/O signals can be designed on screen.

- (1) Mold opening completed
- (2) Take-out instruction to the ejector
- (3) Take-out from the ejector, and receives the completed pulse signal
- (4) Clamping start3-sec. operation of the belt conveyor

ADSupport

Energy-saving/maintenance

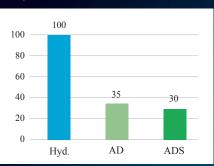
Energy-saving performance

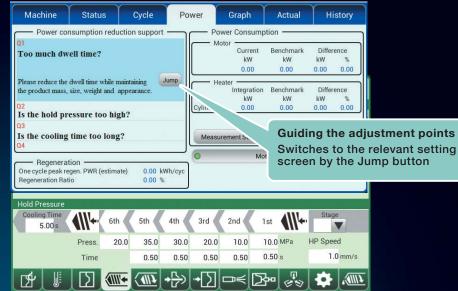
Reduction support for power consumption

Assistance for molding condition change to reduce power consumption

Comparison of the power consumption amount

%Hydraulic machine: 100 standards





Support for maintenance

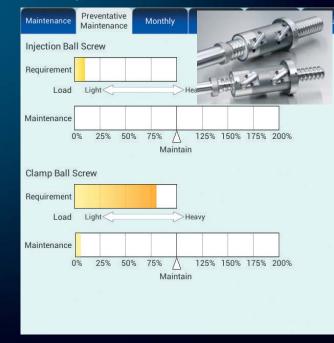
Periodical inspection

The periodical inspection items and the execution history can be checked on the controller.

No.	Point	Date confirmed						
Q-1	Ball screws	2	014/12/15					
Q-2	Automatic grease lubrication apparatus	2	014/12/15					
Q-3	Motor cooling fan		014/12/15					
Q-4	Control panel cooling fan	2	014/12/15					
Q-5	Mold thickness adjusting device	Maintenac	Preventative Maintenance	Monthly	Quarterly Semi-Annual Ar	nual	History Memo	
Q-6	Heater band mounting bolts	No. Q-1	Ball screws	oint .	Grease lubrication state Dirt damage		History	
Q-7	Thermocouples	Q-2 Automatic grease lubric apparatus		lubrication	Operation verification		History	
Q-1		Q-3	Motor cooling fan		Cleaning		History	
Q-8	Grease hose, lines	Q-4	Control panel cooling fan		Cleaning		History	
Q-9	Linear guides	Q-5	Mold thickness adjusting device		Mold thickness increase and decrease implementation		History	
Q-9	ļi	Q-6	Heater band mounting bolts		Loose	D	History	
Q-10	Hydraulic pressure hose	Q-7 Thermocouple			Inserted state		History	
0-11	Hydraulic cylinder	Q-8	Grease hose, lines		Pipe deterioration, Damage Grease leakage	П	History	
		Q-9	Linear guides		Grease lubrication state Dirt, damage		History	
		Q-10	Hydraulic pressure hose		Pipe deterioration, Damage Oil leak		History	
		Q-11	Hydraulic cylinder		Oil leak		History	
		Oti-	g Time 2days	Check All		llective Hi		

Prediction maintenance

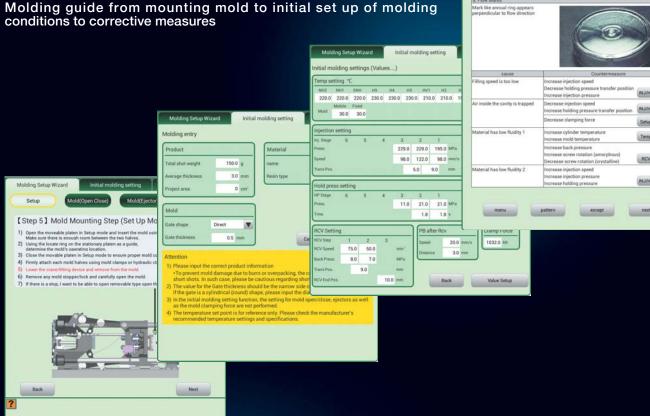
Condition monitor of ball screws based on the operating load.



Molding support

Molding support function

conditions to corrective measures



Energy-saving performance and

enriched JSW's support system

Enriched Hiroshima injection R&D center

Injection school

In preparation for a training lecture by JSW experienced staff. Multiple levels of training are available.





Hiroshima injection R&D center

Injection R&D center has newest machines to support customer's trial test of molds, material, molding process and etc.

