

JSW THE JAPAN STEEL WORKS, LTD.

URL <http://www.jsw.co.jp/>

Division Gate City Ohsaki-West Tower, 11-1, Osaki 1-chome, Shinagawa-ku,
Head Quarter: Tokyo 141-0032, Japan
Phone: +81-3-5745-2081 Fax: +81-3-5745-2083~84
URL http://www.jsw.co.jp/inj_f/inj_index.htm

JSW Plastics Machinery Inc.

Head Office: 555 South Promenade Ave., Unit 104, Corona, California 92879, U.S.A.
Phone: +1-951-898-0934 Fax: +1-951-898-0944
Chicago Office: 540 Capital Drive, Suite 130, Lake Zurich, Illinois 60047, U.S.A.
Phone: +1-847-550-0704 Fax: +1-847-550-0725
Detroit Office: 24404 Catherine Industrial Drive, Suite 310 NOVI, Michigan 48375, U.S.A.
Phone: +1-248-449-5422 Fax: +1-248-449-6018

JSW Plastics Machinery (S) Pte Ltd

Head Office: 17, Gul Lane, Jurong Town, Singapore 629413, Republic of Singapore
Phone: +65-68614511 Fax: +65-68623166
Philippine Office: Chemdis Bldg., Don Jesus Blvd., Alabang Hills Village, Muntinlupa City,
Philippines
Phone: +63-2-809-8982 Fax: +63-2-809-6221
Indonesia Office: Graha Cevril, Jl. Senopati Raya No.6A, Jakarta 12110, Indonesia
Phone: +62-21-725-7486 Fax: +62-21-725-7865

JSW Plastics Machinery (M) SDN. BHD.

D6-5-G,(Ground Floor), Block D6, Pusat Perdagangan Dana 1,
Jalan Pju 1A/46, 47301, Petaling Jaya,
Selangor Darul Ehsan, Malaysia
Phone: +60-3-78426076 Fax: +60-3-78426078

JSW Plastics Machinery (T) Co., Ltd.

368/4 Soi Soonvijai 4, Rama IX Road, Bangkok, Huaykwang,
Bangkok 10310, Thailand
Phone: +66-2-369-4007 Fax: +66-2-369-4035

JSW Plastics Machinery Vietnam Ltd.

Room103, Techno-Center Thang Long Industrial Park Dong Anh District,
Hanoi, Viet Nam
Phone: +84-4-951-6383 Fax: +84-4-951-6384

JSW Plastics Machinery (H.K.) Co., Ltd.

Room 907, Corporation Park, 11 On Lai Street, Shatin N.T., Hong Kong
Phone: +852-2648-0720 Fax: +852-2686-8204

JSW Injection Machine Maintenance (Shenzhen) Co., Ltd.

1/F, Block A, Sanhe Industrial Park, Yongxin Street, Yingrenshi Village,
Shiyan Town, Baoan District, Shenzhen, 518108, People's Republic of China
Phone: +86-755-8602-0930 Fax: +86-755-8602-0934

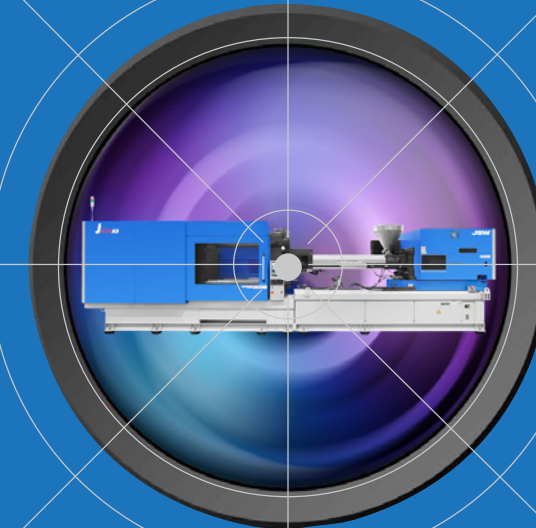
JSW Plastics Machinery (Shanghai) Corp.

14-C, Strength Plaza, No.600-4, Tianshan Road, Shanghai, 200051,
People's Republic of China
Phone: +86-21-5206-7031 Fax: +86-21-5206-7033

JSW Plastics Machinery (TAIWAN) Corp.

Head Office: 1F, No.23, Da Hu 1st Rd., Guishan Shiang, Taoyuan, Taiwan, R.O.C.
Phone: +886-3-396-2102 Fax: +886-3-396-2104
Tainan Office: 15F-7, No.689-78, Shiau E. Rd., Yungkuang City Tainan, Taiwan, R.O.C.
Phone: +886-6-311-4192 Fax: +886-6-311-4193

JAD SERIES
All Electric Servo Drive
Injection Molding Machine



High-Speed Electric
Packaging Machine
J220AD – J650AD



JSW Hiroshima Plant



JSW Injection Molding
Machinery Division

JSW

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 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.

HIGH SPEED MOLD OPEN/CLOSE

Clamp open/close speed has been increased by 20%.

LINEAR GUIDE RAILS FOR MOVING PLATEN (LGR)

LGR insures higher precision while supporting multi-cavity heavier mold weights.

SLIDE UNIT FOR MOLD SUPPORT

Stack molds have center plates supported with sliding shoes.

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.

HIGH SPEED PLASTICIZATION

Faster RPM combined with mixing screw has improved PP plasticization by 20% to support high speed 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 RIGIDITY BED FRAME

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

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).



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.

MULTI-CIRCUITS PIPING FOR MOLD COOLING WATER

Four large stainless steel water manifolds with 12 inlet and outlet are supplied.

AUTO LUBRICATION SYSTEM WITH JSI GREASE

Our auto lube systems have been upgraded with JSI grease ensuring maximum lubrication.

HIGH PERFORMANCE SYSCOM 3000 CONTROLLER

The 15 inch touch screen panel provides high operability and visibility.

CONTROL SYSTEM RESPONDING TO HIGH SPEED MOLDING

The electrical load capacity has been increased to 2.5 times of the standard machine, will not over heat during high speed molding.