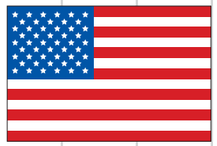
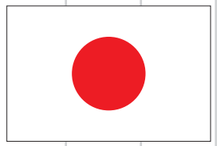
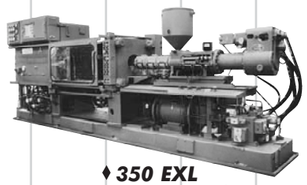
MITSUBISHI HISTORY

YEAR 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88





Technical joint venture for the development of injection molding machines with Natco and Mitsubishi using both American and Japanese technologies

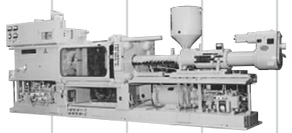


♦ **350 EXL**
Transistor Control System
225～850 Metric ton

♦ **450 MH**
Development of
Hydro-Mechanical Clamp
450～1250 Metric ton

1250 MF ♦
Mass Production Method
Adopting Common Component
350～1600 Metric ton

1600 MM ♦
Small Footprint and Rapid Development
of Large Tonnage Machines
1600～5000 Metric ton



♦ **350 MV**
Integrated Circuit Control
225～450 Metric ton

650 MD ♦
All Original
Mitsubishi Machine
350～1450 Metric ton

75 MS ♦
MAC-II Controller
Introduction of Small Machinery
75～220 Metric ton

♦ **75 MSII**
MAC IV Controller
75～200 Metric ton

550 MG ♦
Introduction of MAC-V for Mid-Size Machines
350～850 Metric ton

YEAR 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06

♦ **650 MM**
Mid-Size Hydro-Mechanical Design and
Introduction of Invertor Screw Motor, UB screw
350～850 Metric ton

♦ **Start of U.S. Operations**

♦ **Mid-Size MJ**
MAC-VI Controller
390～1200 US ton

MJII ♦
MAC-VI Controller
Next Generation Hydraulic Clamp
90～320 US ton

720 MMJ ♦
MAC-VII Controller
Hydro-Mechanical Clamping System • Small Footprint -
22% Length Reduction • UB Screw Enhanced Plasticizing Capacity
610～1200 US ton

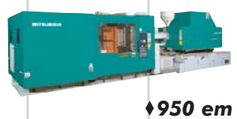
MEtII ♦
MAC-VIIIt Controller
High Precision, High Cycle Molding
Versatile Control Function
System Expandability
35～300 US ton

♦ **ME II**
MAC-VIII Controller
Precise Control Over All
Machine Functions
Direct Drive (DD) Injection
Servo Motors
390～500～720 US ton

♦ **Small MJ**
MAC-VI
Controller
90～320 US ton

MMIII ♦
Next Generation Hydro-Mechanical Design
Development of Cavity Pressure
Profile Control System
1450～4400 US ton

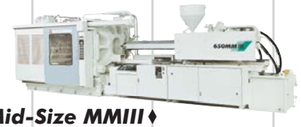
390 ME
MAC-VII Controller
All Electric
Precise Injection/Clamp Control
Excellent Repeatability
30% Speed Increase
UB Screw Enhanced
Plasticizing Capacity
390～500～610 US ton



♦ **950 em**
MAC-VIII Controller
Sequential Injection with 4-Point
Uniform Clamping Mechanism
for Offset Molding
720～1600 US ton

♦ **Large em**
MAC-VIII Controller
Worlds Largest Electric Injection
Molding Machine
Fastest Automotive Bumper
Cycle Time
3300～3850 US ton

♦ **50 MSS**
Hybrid Electrical and Hydraulic Technology
15～50 Metric ton



Mid-Size MMIII ♦
Mid-Size Hydro-Mechanical
550～850 Metric ton

180 MSJ ♦
MAC-VII Controller
Full Hydraulic Direct Clamp Type • High Efficiency Variable
Displacement Pumping System (up to 320 ton)
Three Way Part Removal (up to 320 ton)
90～500 US ton