

## ECSXIII

AC SERVO SMART ELECTRIC  
INJECTION MOLDING  
MACHINES

## BASIC WARRANTY

Shibaura Machine Manufactured Parts .....	12 Months
AC Servo Motors & Printed Circuit Boards, including Servo Drivers.....	12 Months
Material Processing, Screw Barrel and Non-Return Valve.....	12 Months
Repair Labor Including Travel Expenses	12 Months
Non-Shibaura Manufactured Parts .....	12 Months
Barrel Heater Bands .....	12 Months

## WARRANTY BEGINS

The warranty period begins on the date of "Start-Up" or 60 days from invoice, whichever occurs first.

## BASIC COVERAGE

This warranty covers any repair or replacement of parts which becomes necessary due to a defect in materials and workmanship under normal use except those items listed under "What is not covered."

## Printed Circuit Boards &amp; Servo Motors

Shibaura Machine printed circuit boards, amplifiers, servo motors are warranted for a period of twelve (12) months against failure due to defects in material and workmanship.

## Screw, Barrel &amp; Non-Return Valve

Material processing screw, barrel and non-return valve are warranted for a period of twelve (12) months against defects in material and workmanship, but are specifically not covered for damage resulting from wear, corrosion or cold start-up.

## Hydraulic Power Unit

Optional hydraulic core pull power unit is warranted for a period of twelve (12) months against defects in material and workmanship. Hydraulic filters are not covered.

## Non Shibaura Manufactured Parts

Includes servo motor drive belts, ball screws, air valves, electrical components and mounting pads.

## Heater Bands

Material barrel heater bands are warranted for a period of twelve (12) months, but the nozzle band and thermocouple are not warranted.



## WARRANTY EXCLUSIONS

## Factors Beyond the Manufacturer's Control

Repairs and adjustments required as a result of misuse, negligence, modification, alteration, tampering, disconnection, improper adjustments or repairs, accidents, and use of add-on parts or materials.

Damage of Surface, corrosion resulting from acidic atmosphere.

## Lack of Maintenance

Repairs and adjustments caused by improper maintenance, lack of required maintenance, or the use of fluids other than the fluids specified in the Owner's Manual.

## Deterioration

Vibration, wear, tear, or deterioration such as discoloration, scratching, or rusting of bare metal.

## Wear of Screw, Barrel and Non-Return Valve

Screws, barrels, or non-return valves that have been damaged by glass, mineral or other fillers or corrosive materials.

Screw or non-return valves that have been damaged by rotating the screw with insufficiently melted materials (cold start-up) or dry cycle with no material.

## Damage by Trucking or Rigging Company

Damage by trucking or rigging company during shipping or installation. It is the responsibility of purchaser to inspect the machine upon receipt and report any damage to trucking company or rigger. Shibaura Machine is not liable for insurance deductible.

## Consequential or Incidental Damages

Plant down time, lost profits, lawsuits by third parties and other types of consequential or incidental damages are not covered by any warranty.

# Shibaura Machine

Shibaura Machine do Brasil LTDA.

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