

YASKAWA - Varispeed

(YASKAWA ELECTRIC - JAPAN)



The ultimate

Working Partner

for plastic injection moulding machines.

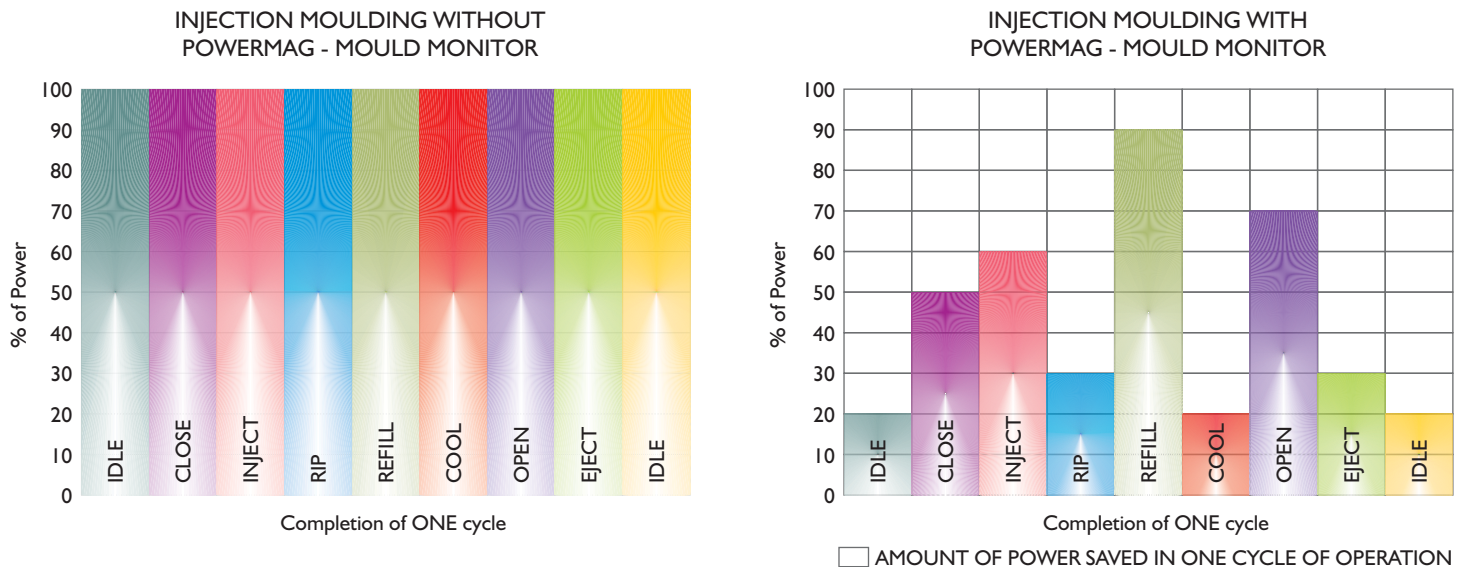
30% to 70%
POWER
SAVING

Time to optimize your benefits

Principle of Operation

In normal injection moulding machines the main motor operates at maximum rated speed and hence the hydraulic pump coupled to the motor deliver maximum flow of oil. This full flow of oil cannot be utilized in process and therefore it is controlled by hydraulic valve so that partial amount of oil is utilized during process and the remaining oil is reverted back and hence the power consumption unit / hour will be in higher side.

By incorporating YASKAWA - Varispeed Frequency Drives, the RPM of the motor can be controlled and programmed according to the process. This achieved by using IGBT Technology based variable speed frequency inverter and the power consumption is in proportion to the motor RPM. So that only required amount of the oil is pumped resulting in maximum power saving and reduce



Special Features

- Energy saving of 30% to 70%
- Powerfactor is improved to 0.99 without external capacitor.
- The wear & tear in the pump cartridge is minimized due to reduced speed.
- The starting current is minimized hence reduced mains peak demands.
- The motor is protected against over current, over voltage under voltage, over temperature and phase loss.
- The oil temperature rise is reduced due to reduction in throttling of pump flow. Proportionate saving in power and water for cooling is achieved.
- The life of rubber parts used for sealing in the hydraulic system is enhanced.
- Depreciation is 100% for Power Saving Equipment
- The drive can run in 2 Phases and continue to give 3 Phase to motor which will run safely.



POWERMAG CONTROL SYSTEMS PVT. LTD.

Head Office:

532, Nehru Nagar, Maniyakaran Palayam, Coimbatore - 641 006. India.
Mobile: 092444 07258 Tel: ++91-422-2532013, 2537990
Fax: +91-422-2537988, email: info@powermag.in

Chennai Office:

Plot No. 38, Rama Krishna Nagar, Kolapakkam,
Chennai - 602 101. Mobile: 098402 35984

Our Other Offices at **Delhi - Mumbai - Kolkata**