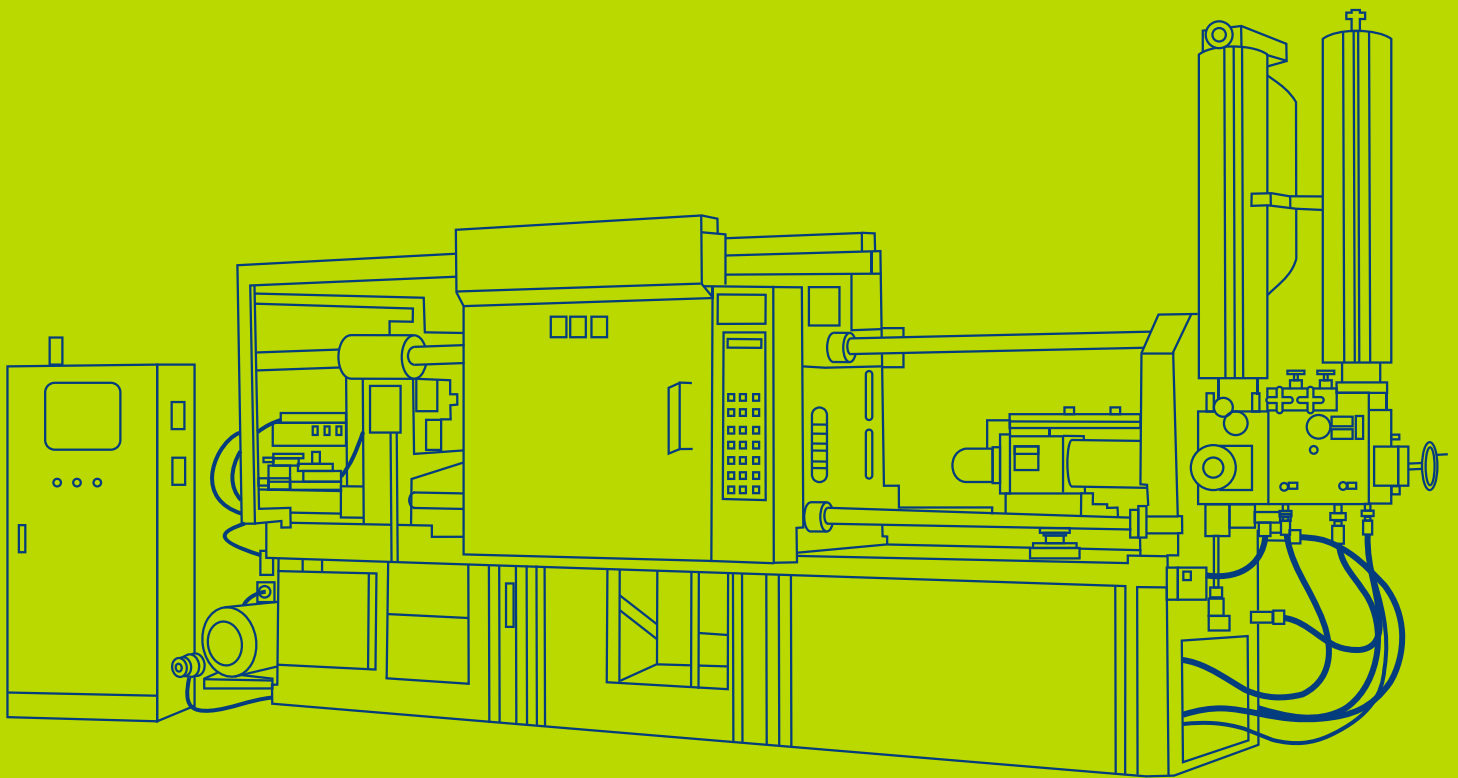


# ENERGY-SAVING AUTOMATION SOLUTION FOR PRESSURE DIE CASTING MACHINES

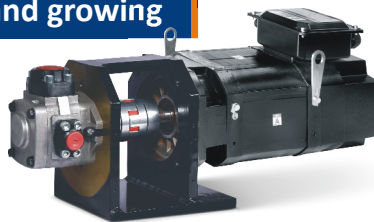


## Servo Drive Technology for Hydraulic Gear Pumps

12000+  
installations  
and growing



**KEB Servo Drive**  
Intelligent, compact



**SynchroTorq®** | Servo Series  
PERMANENT MAGNET SERVO MOTOR

**PM Servo Motor:** Excellent  
Dynamic Response with CE  
Approval and Class H Insulation

**Internal Gear Pump with  
Cradle & Coupling:**

Low Noise, High Efficiency

**Flow Ratings - 60 LPM to 700 LPM | Pressure - 120 Bar to 320 Bar**

## Benefits of Servo Drive Solution for Pressure Die Casting machines



30% to 50% potential energy savings in hydraulic systems.



Adjustable stroke length of the RAM with various velocities.



Lower pump noise by 10-20 dBA.



High dynamic performance due to fast response of the Servo Motor and Servo Pump.



Increased productivity due to faster cycles and lower scraps/rejections.



KEB Drive with pump protection feature and parameters in hydraulic terminology.



Stable and accurate pressure holding with excellent flow control results in improved product quality.



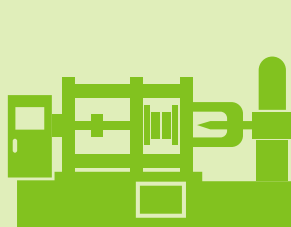
Various machine cycles can be easily programmed through HMI interfaced PLC.



Same PDC machine can be utilised for various products/jobs due to flexibility in parameterisation.

We provide retrofitting Servo solution of existing Pressure Die Casting machine for energy savings and faster R.O.I.

## Bharat Bijlee offers complete automation package for Pressure Die Casting machines



- Bharat Bijlee manufactured AC Servo Drive under license from KEB, Germany.
- PM Servo Motor with encoder/ resolver feedback and KTY temperature sensor.
- Internal Servo Gear Pump with low noise and high efficiency.
- Bell housing (cradle) with coupling.
- KEB display panel with keypad and various communication protocols.
- Installation and commissioning support.
- **Accessories:** EMC Filters, Touch Screen HMI, PLC, AC Input Choke, Brake Resistor, Pressure Sensor, Shielded Power and Resolver/Encoder Feedback Cables.

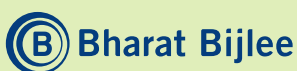
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