

POWTRAN PI500 AC Drives work in an injection molding machine plant who used old model PI7800 drives for 5 years.

Injection molding machine: 15KW.

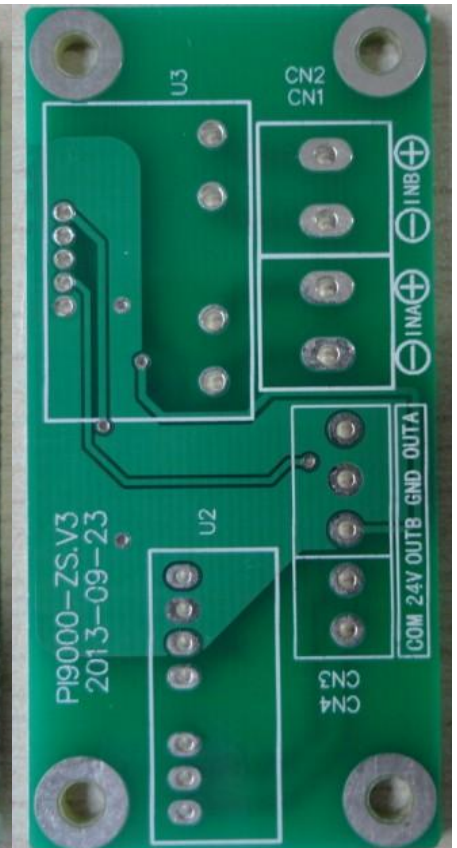
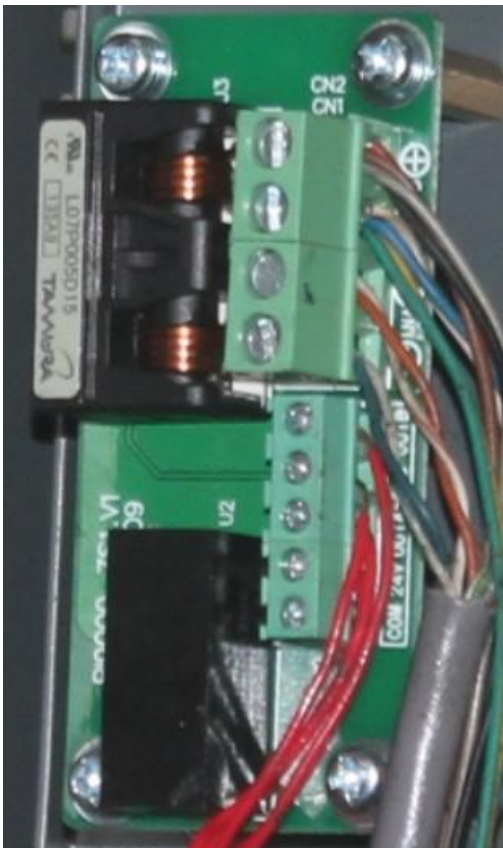
PI500 018G3 (With IMM card , injection molding machine card)

PI500 provide better torque and lower current in various stages of frequency.



IMM card is used to receive 0~1A flow and pressure signal from injection molding machine controller. If signal is 0~10V & 4~20mA, IMM card is not needed.

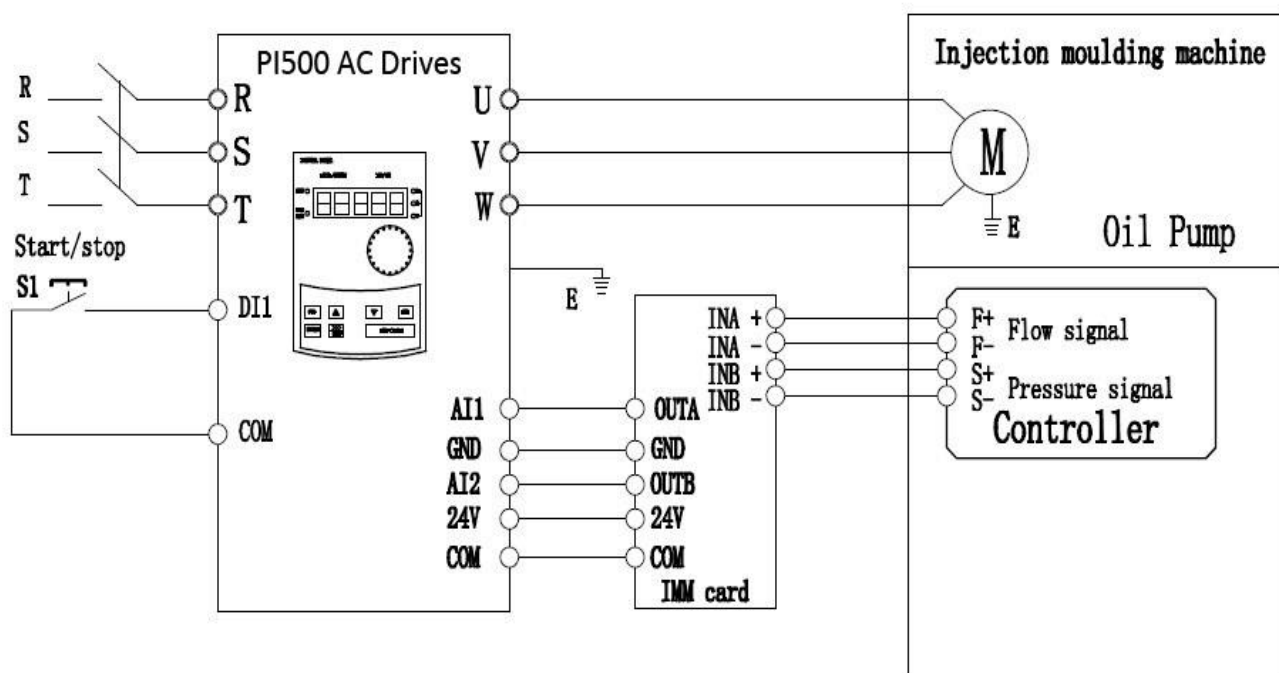
AC Drive control board terminals can receive 0~10V & 4~20mA signal.



PI500 parameters setting and connection diagram with injection molding machine.

Parameters setting:

- F0.03=2** AI1 use for frequency source master setting.
F0.04=3 AI2 use for frequency source auxiliary setting.
F0.07=21 Final frequency is automatically decided by master and auxiliary frequency source.
F0.11=1 Terminal control.
F1.00=1 DI1 use for FWD function.



PI500 AC Drives advantage of working with injection molding machine.

1. Energy saving.
2. Provide higher precision of process requirement.
3. Soft start, reduce current impact to grid and injection molding machine.
4. Reduce oil temperature and noise of oil pump.
5. Reduce mechanical impact & abrasion, improve mechanical life.