

CONTIFEED PID SYSTEM

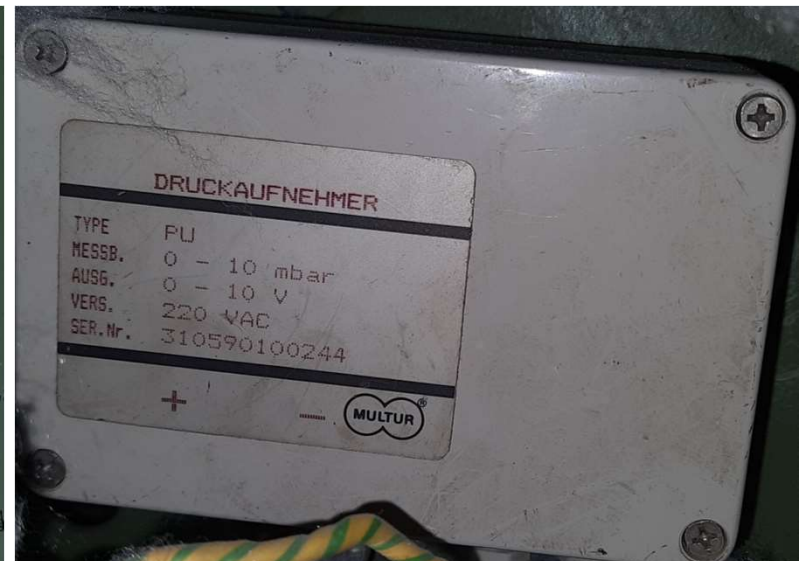
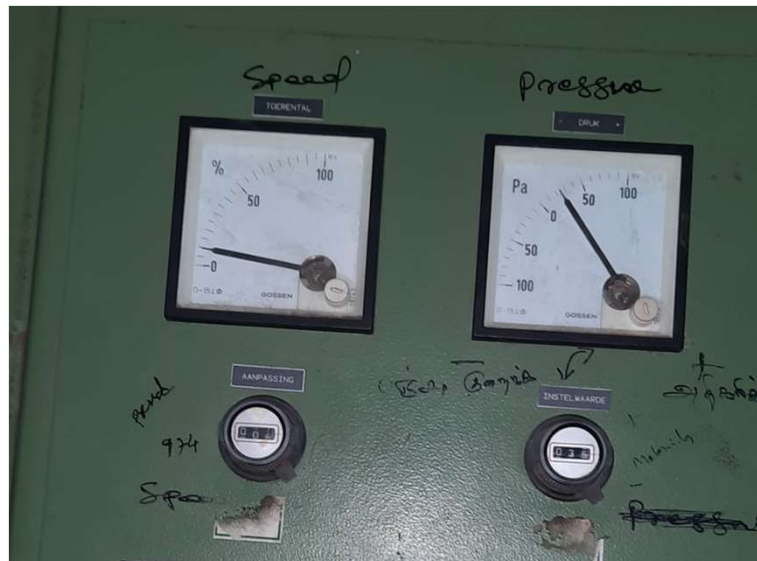
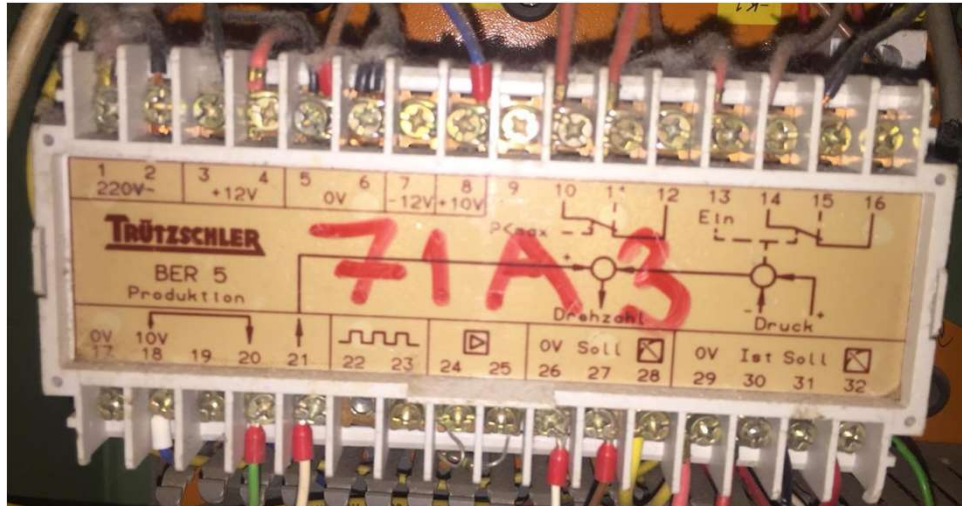


Advantages of our system:

- Based on set pressure value final feeding machine (or) chute feed roller motor speed get vary continuously
- Proper chute filling guides to maintain required feed weight in carding machines
- Very sensitive range sampling (1 Pa) accuracy provided
- Feed roller motor “Stop/Go” ratio will get the successful rate(>90%) because of our intelligent PID controls.
- Minimum level filling pressure safety limit provided. This can control/stop carding machines when there is very less feed materials



OEM BASED ANALOG SYSTEM



Disadvantages of analog system:

- Wide range sampling for the pressure sensor feedback signal
- Set value of pressure & speed through pot meters accuracy will be 10% lower than the values we feed through digital signals(data)
- Analog dial read data can't be reliable
- Can't set the min level filling monitoring
- Frequent calibration required incase of DC Feed roller motor operations.



OUR CONTIFEED SYSTEM

TARGET PRESSURE: 800 Pa
PID MAX. PRESSURE: 1100 Pa

Features:-

- No of machines working can be defined through PID max pressure.
- No need of external cables from each carding machines



OUR CONTIFEED SYSTEM

SPEED BANDWIDTH

MIN: 900 rpm / MAX: 1200 rpm

ACC: 1 sec / DEC: 0.5 sec

Features:-

- To fine tune the “Stop-Go” ratio of feed roller motor
- We can do the smooth start curve of feed roller motor



OUR CONTIFEED SYSTEM

MIN LEVEL PRESSURE: 300 Pa

Features:-

- We can define stop limit for chute pressure monitoring
- This will control the carding machines runs with low material level.



To stop carding
doffer motor

THANK YOU

