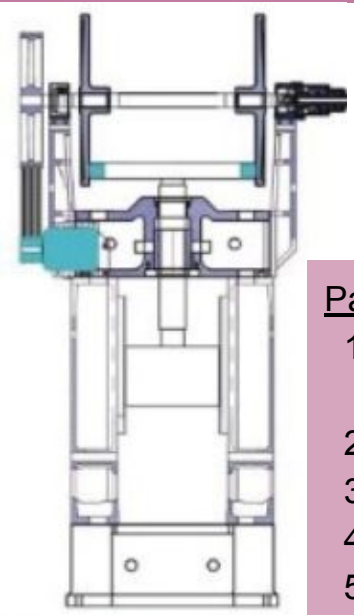
# Modification from Friction Screw Press to Electric Servo Press



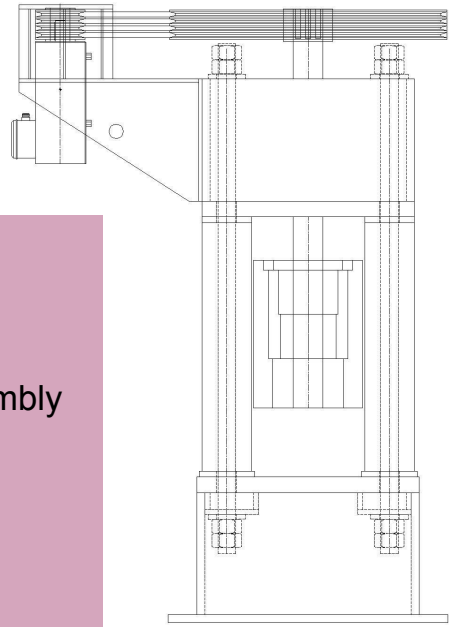
Structure before modification

**Parts to be removed:**

1. Twin Wheel Assembly
2. Arm - Left & Right
3. Head Assembly
4. Wheel
5. Manual Ejector
6. Motor

**Parts to be Added:**

1. Head Assembly
2. Drive Wheel Assembly
3. Hydraulic Ejector Assembly
4. Braking Assembly
5. Servo Motor
6. Electrical Panel
7. Maintenance Platform



Structure after Modification

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Disadvantages of Friction screw Press:

1. Long Transmission
2. High Power Loss
3. More Wear Parts
4. Controlling is not Accurate
5. Labour Intensive
6. High Power Consumption
7. Low Safety
8. Low Production

Advantages of Electric Servo Press:

1. Direct Drive - Short Transmission
2. Low Power Loss- One Button Operation
3. Less Wear Parts- Active Lubrication System
4. Precise & User Input Control Mechanism.
5. Operator Friendly- No skilled Manpower Required
6. Low Power Consumption- 50% Power Saving
7. Online Safety Interlock Mechanism.
8. High Production, with data Monitoring System and daily production count.

## MSP: High production with 50% Power Saving