

## Application

# Paper mill Application

### Paper machine

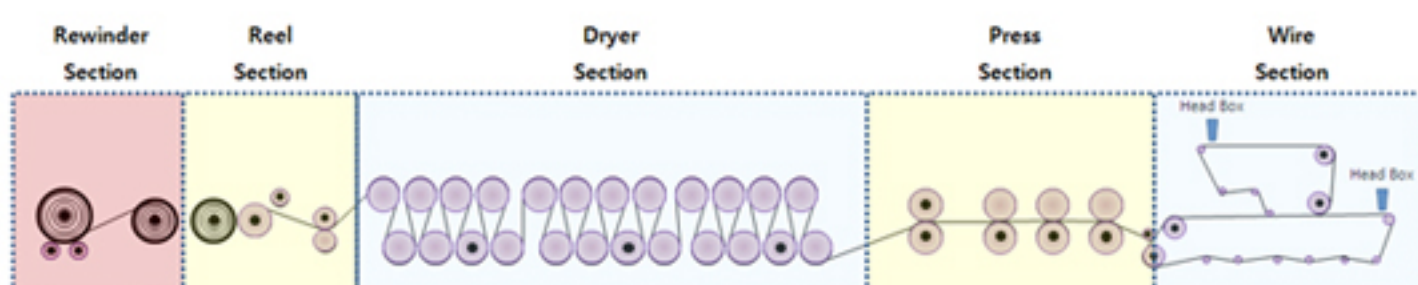
- › Paper machine is a machine to produce a paper using mixed materials and continuous process system to control of tension with each section.

#### •Paper machine

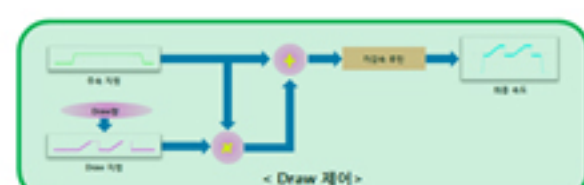
- A machine to produce a paper and is composed of Wire section, Press section, Dryer section and Reel section. Line speed is faster and faster with following stage and PLC controls it. Inverter controls tension with Load Balancing Algorithm.

#### •Way to control of Paper machine

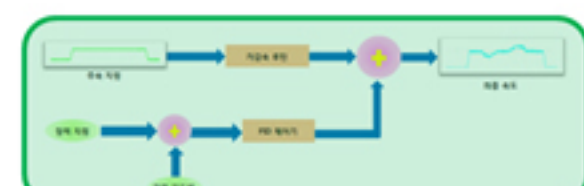
- Draw control: Tension control with section
- Load Balancing control: Torque control of processing Loads
- Override control: Pressure control of Fan-pump



< Diagram of Paper machine >



Draw control from PLC



Load Balancing, Override control from Inverter



## Example of Paper machine

#### •Facility

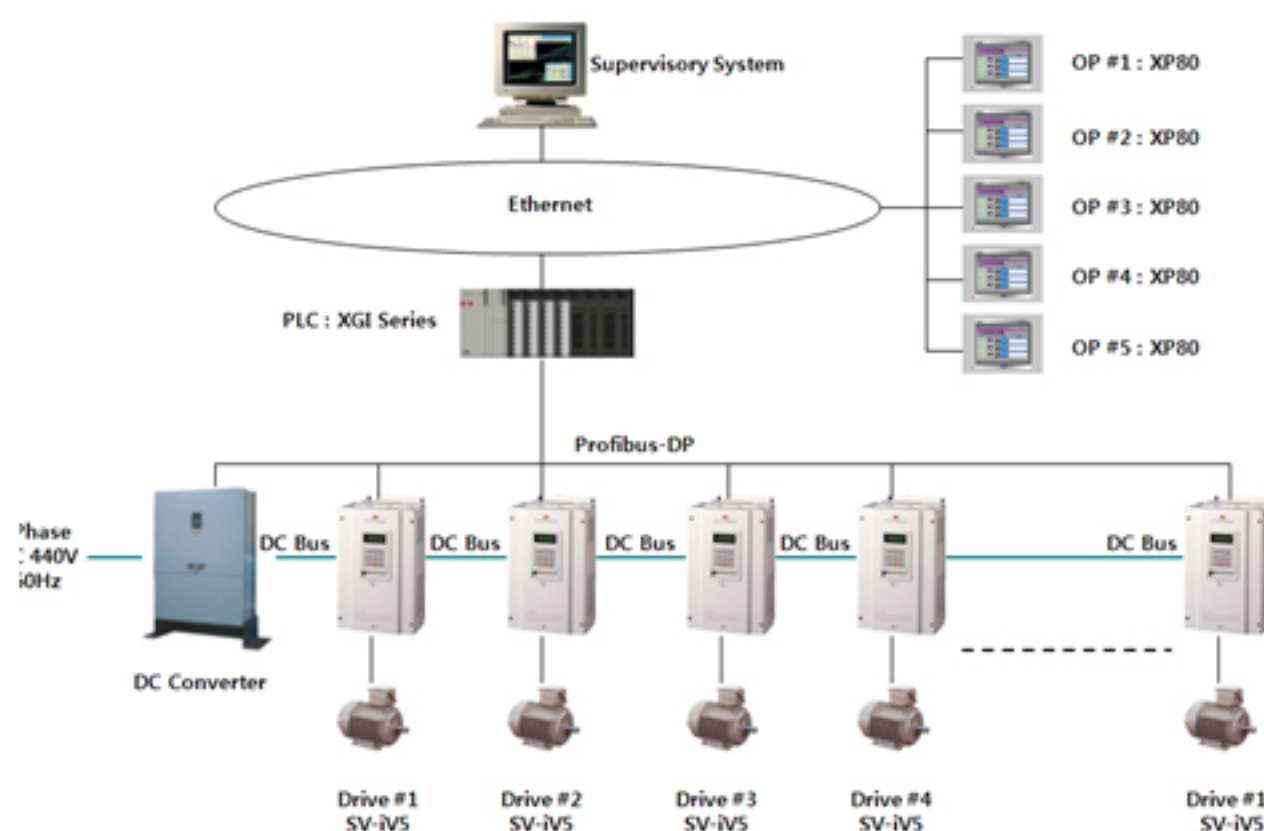
- Paper machine to produce a paper

#### •Applied Products

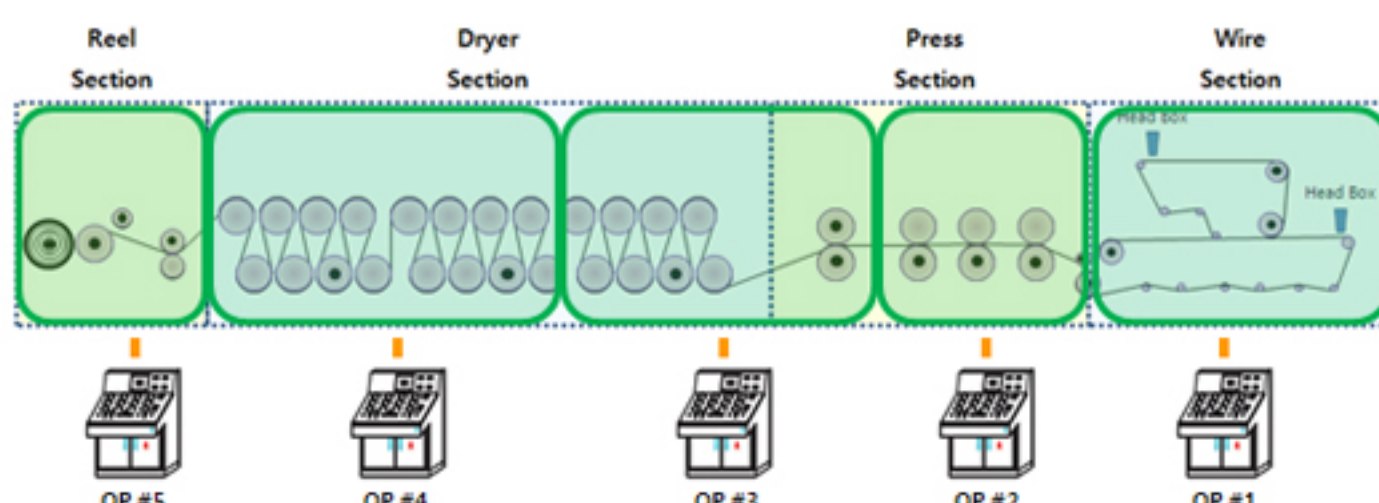
- DC Converter 1set, PLC(XGI) 1set, HMI(XP80) 5set, Inverter(IV5) 19ea, Motor 19ea

#### •Key Functions

- Draw control: Tension control with section
- Load Balancing control: Torque control with processing Loads
- Override control: Pressure control of Fan-pump



< Diagram of Control system >



< Diagram of Paper machine >