

Ultra Slice

Basis Weight Profile Control



Automatic slice control systems are widely used in Pulp & Paper Industry to assure improved CD basis weight profile and end product quality. Ultra Slice profile control system has been on the market for more than three decades with various automatic control system deliveries for pulp and paper industry globally. Investments in R & D and focus on end customer needs guarantees that Ultra Slice profile control stays in the frontline when reliable and trustworthy basis weight control system is required.

Ultra Slice design is user friendly with special focus on ease of maintenance. Access to different actuator components is assured by straight forward design. The Ultra Slice actuators are designed for high precision and torque guaranteeing accuracy on precise and trouble free slice control through each Ultra Slice actuator.

Ultra Slice profile control system utilizes Profic CD control software especially designed for Ultra Slice profile control systems. Profic CD control software is made with an open architecture aimed to assure no expensive service contracts required. Profic CD control provides interactive support functions such as historic graphic trends as well as built in trouble shooting tools and control tuning support tools. 2 – sigma basis weight improvement with Ultra Slice and Profic CD has generally been over 50% and profile recovery time improvement 25 – 50%.

Profic CD control is also provided with remote service capability assuring quick service and troubleshooting assistance as well as remote technical support at all times.

BENEFITS

Ultra Slice Profile Control:

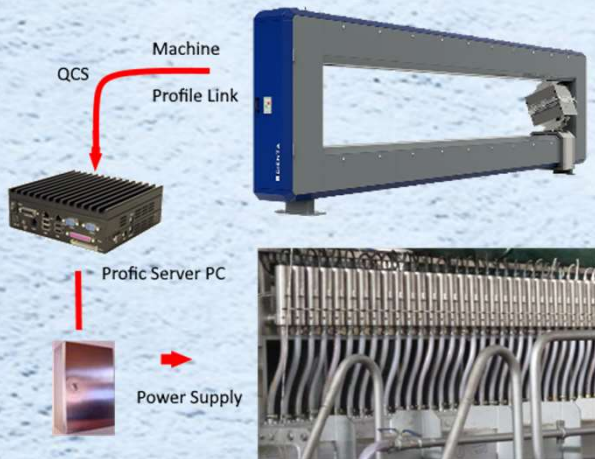
- Improved CD basis weight profile
- Less brakes and broke
- Faster grade changes
- Faster start – ups
- Better runnability

Profic CD control:

- Open architecture
- No service contract required
- Historic graphic trends
- Trouble shooting tools
- Control tuning support tools
- Remote Service

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System Lay – out

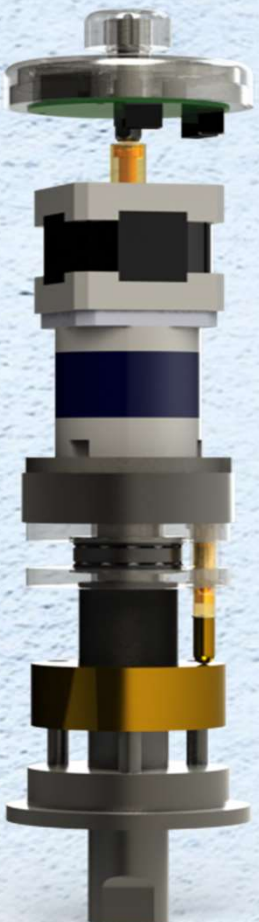


Digital Display

Other features:

- All signals digital, reliable communication over a 2 – wire system
- Stand alone operation available also with Siemens PLC
- Profile CD control software can be incorporated into scanner PLC
- Can also be used on coat weight profile control

Ultra Slice DE X – act 5



Specification:

- Control range: $\pm 2,5$ mm
- Operating force: 7 500 N force
- Interface options: Profibus, Modbus, Ethernet
- Power: +24 V, 0.25 A
- Ambient temp: 10 – 60 °C
- Body material: AISI 316L
- Resolution: 5 000 steps / mm
- 1 step change: 0,2 μ m
- 0 – 100 % response: 30 s max.

Position feedback:

- State of the art Hall sensor device
 - Ratio metric measurement interpreted by a 16 Bit resolution A / D converter at 15 μ V resolution between 0 – 5.

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