Calcoil 4000 Results

Metsä-Serla reduces caliper variation 87%

Metsä-Serla reduced caliper variation and improved coat weight control with a Calcoil™ 4000 induction caliper control system.

Customer Benefits:

- **CD caliper variation reduced**
  Within two reels after initiating automatic control, the Calcoil 4000 reduced reel average caliper variation by 87%. Caliper variation has consistently been maintained at these low levels since start-up.

- **Coat weight profile improved**
  The Calcoil 4000’s ability to control caliper and sheet smoothness produces a superior coat weight profile. The system is equipped to profile coat weight or caliper at the option of the operators.

Metsä-Serla has achieved a rapid payback for the purchase of the Calcoil 4000 with a combination of excellent reel building, improved converting efficiency and higher product quality.

### Machine data

- **Grade:** Coated board (wall paper base)
- **Basis weight:** 110 - 240 g/m² (28 to 50 lb/1000 ft²)
- **Sheet width:** 3.8 m (150 inch)
- **Speed:** 450 - 600 m/min (1475 - 2000 ft/min)
- **Coating:** 8 g/m² (5 lb/3000 ft²) per side

### Calcoil 4000 data

- **CD profiling:** 32 zones
- **Zone width:** 120 mm (4.72 inches)

### Closed loop control system

Honeywell using Valmet Sentrol sensor signal acquisition link for raw profiles

> The system has the ability to automatically control the coat weight profile in addition to closed loop caliper control.