**ANDRITZ LemaxX Spiral® 200 Series**

- Longest lasting most energy efficient LC refiner plate
- ANDRITZ LemaxX Spiral®

**Features**
- Patented logarithmic spiral bar shape
- Optimum bar and grove width
- Constant bar crossing angle
- Patented variable pitch bar layout

**Summary:**
- Energy Savings
- Long Plate Wear Life

**LC Refining Case Study 43**

**Current**

- Raw material: American OCC
- Grade: Linerboard
- Refiner: 2000 HP [1491 kW], 450 rpm
- Primary Refiners: J&L 46EH149/150, Beloit Jones DD4500

**Current pattern design:**
- Size: 46”
- Arranged plates: 2000 HP [1491 kW], 450 rpm

**Challenge:** Improve refining efficiency

**Solution:** LemaxX Spiral® Series

**Benefits**
- Improvement in fiber treatment
- Improved energy efficiency
- Superior fiber preservation
- Increased plate life

**Plate life increase:** 185% (28 days to 80 days)

**Energy savings:**
- Energy reduction: 7%, which is 75 HP per refiner

**Monetary value of ANDRITZ' solution:**
- TCoO reduction:
  - 182,000 / year
  - $US 137,000 / year
  - $US 45,000 / year

**Conclusion:**

- Thanks for trusting the ANDRITZ team!