BCB - BAR COUNTER

- High counting accuracy
- High production capacity, bars/second
- Simple and fast change of bar diameter pending parts
- Floor standing panel with display for easy settings
- Built-in kick-off arm for the last counted bar of each bundle
- Low maintenance requirements
- High operating availability

SUND / BIRSTA
The Bar Counter BCB is designed for automatic counting of bars as an integrated part in Sund Birsta handling systems, but the counter can also be integrated into existing systems.

The Bar Counter is equipped with automatic identification of the counter wheel and separating screw, as well as the bar diameter. If an incorrect counter wheel or separating screw is fitted the machine will give an alarm.

The Bar Counter has its own PLC system and control the chain at the BCB-area by interface signals. The actual bar diameter and number of bars in the finished bundle is set by the operator.

The speed of the chain conveyor, the separation screw and the counting wheel are synchronized.

Two laser photocells execute, together with a pulse encoder, the counting operation. One laser photocell detects whether one or two bars are being fed and the other photocell performs the counting.

When the preset number of bars has been counted, the counting wheel stops and a kick-off arm transfers the last counted bar to the finished bundle.

The BCB Bar Counter can be manually or automatic retracted from the counting position for maintenance purposes.

**Delivery specifications**

- **Machine weight:** 900 kg
- **Shipping weight:** 1310 kg

**Bar counter, type BCB**

- **Hydraulically driven:** All functions
- **Pneumatic, clean blowing of laser photocell:** 5 Bar (0.5 N/mm²)
- **Counting range:** Ø 8-65 mm
- **Counting speed, Ø 8 mm.:** 10 bars/sec.
- **Counting screw, for product diameter:** Ø 8-60 mm
- **Counting wheel, for product diameter:** Ø 8-65 mm

**Hydraulic requirements, guidelines**

- **Pressure:** 100 Bar (10 N/mm²)
- **Flow:** 50 lit/min.

**Control system**

- **Stand alone or connected to a network:** PLC
- **Operator control:** Floor standing panel
- **Voltage (control and command):** 24V DC

**Options**

The Bar counter is left or right handed depending on the lay-out.