CEREST
Ingénierie Industrielle - Machines spéciales



# Unwinding line

## with tangential drive

● **Mechanische Studien** ● **Realisierungen** ○ **Verkabelung** ○ **Steuerungen**

Unwinders are used to u**nwind a coil of paper** at the infeed to a production line.

The paper is driven **tangentially by a belt**, so that the **linear speed is constant**, irrespective of the coil diameter.

This project involved recovering certain sub-assemblies from an existing line and reintegrating them into brand-new, more compact frames incorporating new functionalities.

The **pneumatic part** of the machines was r**etrofitted**, **simplified** and **streamlined** to meet customer requirements.

Each module can be **easily and quickly relocated** to suit the customer's lifting equipment (overhead crane).

The robust construction (60mm thick steel plates) guarantees **vibration-free operation** and, consequently, process reliability of the line.

The balancer module guarantees **constant web tension** and helps **synchronize unwind speed with line speed** (PID system).

Various options are available:

Park brake, ultrasonic diameter measurement, loading belt to facilitate multi-level strip start insertion, etc...

SPECIFICATIONS :

- **Weight: 3,800 Kg each**
- **Line speed : 600m/mn**
- **Max. coil weight: 500Kg**








Ref : 3681

Leistung hinzugefügt 10/07/23

**CEREST**
20 Rue des Frères Lumiere
68000 Colmar - FRANCE

**MAIL**
cerest@cerest.com

**TELEFONISCH**
+33 (0)3.89.21.02.56

**INTERNET**
www.cerest.com