Cap strip line reference project

A cap strip line produces high-quality cap ply strips (strips of rubberized nylon or hybrid threads). The GfA cap strip line is a revolutionary development in tire manufacturing, combining three processes in a single unit. We worked with GfA De Pryck to create a suitable system.

Read more at:

Calender reference project

In conjunction with KraussMaffei Berstorff, we developed an application solution for a calender that is based on standardized large gear units instead of special designs.

Read more at:
**Extruder**

Our robust X series industrial gear units in extruder design reliably drive the extruder screw, thus helping to mix the material thoroughly.

**Your benefits**
- Extruder-specific solution
- Robust and powerful gear units offering fine graduation
- Customer-specific gear unit interfaces to the machine
- Wide range of options: Cooling, sealing systems, etc.

**Extruder**

Our MOVIGEAR® mechatronic drive system really comes into its own here with its special properties in transporting the extruded rubber strip, which is still warm.

**Your benefits**
- High energy efficiency thanks to the synchronous motor (savings of > 40%)
- High overload capacity (350%)
- Significantly reduced number of variants
- Power and communication in a single cable
- Simple and safe cabling thanks to plug connectors
- Setting ranges larger than 1:2000 possible
- Significant weight reduction
- Option of universal mounting position for drives

**Cap strip line**

As an alternative to calenders, textile cord can also be integrated into rubber inside a cap strip line. Our MOVIGEAR® mechatronic drive system is used in this process.

**Your benefits**
- Excellent dynamics
- Precise positioning thanks to integrated encoder
- Powerful brake
- Tailored drive solutions

**Calender**

Our industrial gear units in the X or P-X1KP series and our IE3 DRN AC motors drive your calenders, which integrate the steel and textile cords into rubber layers.

**Your benefits with the IE3 AC motor**
- The motor offers a highly reliable safety function thanks to the integrated SEW brake.
- The calender rollers are brought to a halt within an angle of up to 30°, even when running at full speed

**Your benefits with the X series industrial gear unit**
- Robust and powerful gear units offering fine graduation
- Wide range of options and customer-specific gear unit interfaces to the machine

**Your benefits with the P-X1KP series industrial gear unit**
- Direct mounting saves space and reduces the number of components
- High level of flexibility for machine optimization

**Mechanical curing presses**

Our synchronous CMP converters are used as motor drives in the vulcanization process.

**Your benefits**
- Excellent dynamics
- Precise positioning thanks to integrated encoder
- Powerful brake
- Tailored drive solutions

---

Read more about drive solutions for the tire industry: [QR Code Link]