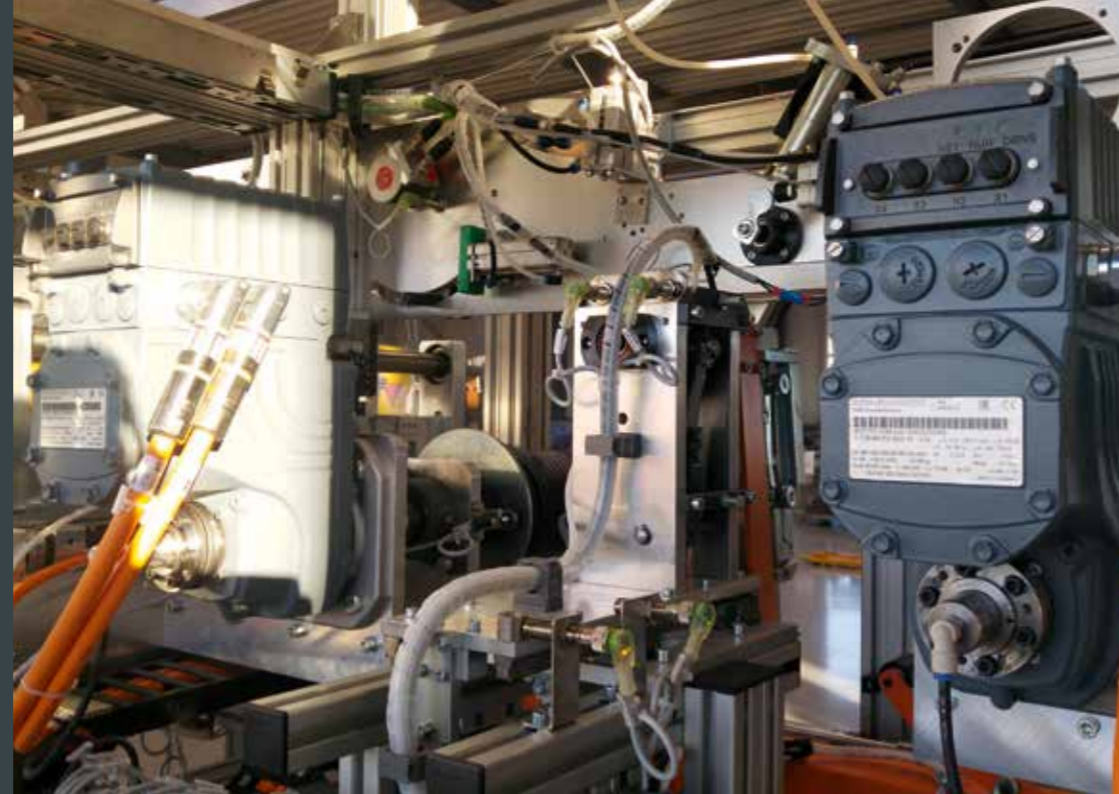


Cap strip line reference project

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:



Calendar reference project

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

Read more at:



Do you want your systems to run just as smoothly as a good tire?
If so, you need the tried-and-tested drive solutions from SEW EURODRIVE!

Contact us at:
zentralespostfach.imai@sew-eurodrive.de



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Drive solutions for the tire industry



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.



Cooling line / downstream area

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



Gantry robots

As a general rule, automated gantry robots are used to efficiently sort the many different unmachined and finished parts in temporary storage. We also automate your gantry robots from a single source and offer application-specific software for your all-wheel-drive gantry application.

Your benefits with CMP servomotor

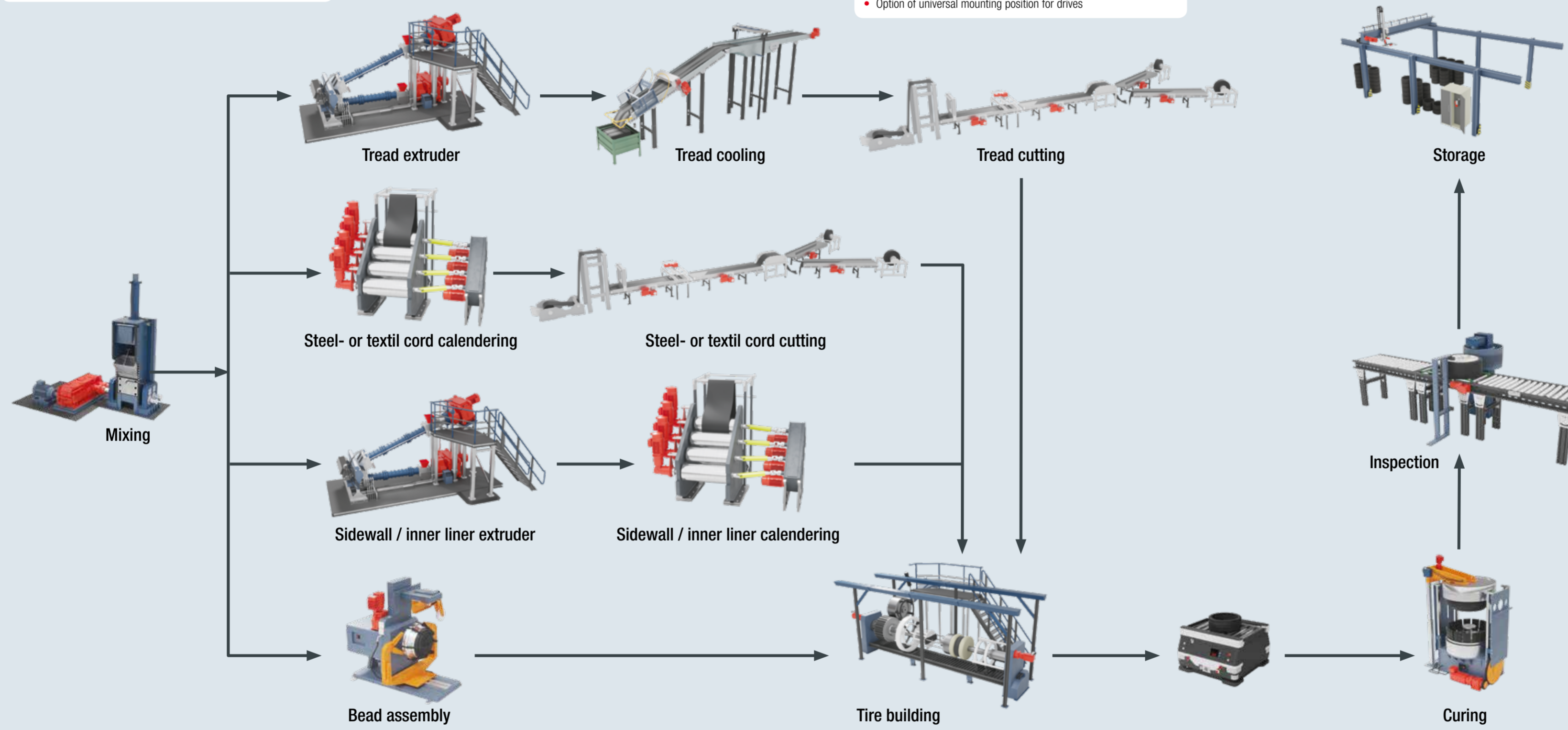
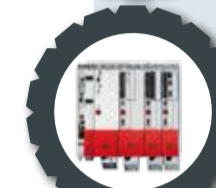
- Excellent dynamics
- Precise positioning thanks to integrated encoder
- Powerful brake
- Tailor-made drive solutions

Your benefits with MOVIAxis® multi-axis servo inverter

- High level of modularity
- Suitable for customized expansion
- Simple startup

Your benefits with MOVI PLC® power controller

- Integrated system bus
- Control up to 64 axes with response times in the 1 ms range
- Efficient automation thanks to various performance classes



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

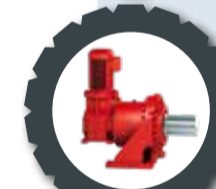
- The motor offers a highly reliable safety function thanks to the integrated SEW brake.
- The calender rollers are brought to a halt within an angle of up to 30°, even when running at full speed

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



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.

Read more about drive solutions for the tire industry:



Roller conveyors / interlinking materials handling technology

Our ECDriveS® drive systems keep things moving on roller conveyors that interlink different processing stations or storage/retrieval areas.

Your benefits

- Application module for handling green tires in a way that prevents dents and indentations
- Control options: PROFINET®, EtherCAT®, EtherCAT® IP, binary, etc.
- Positioning possible using an integrated encoder
- High starting torque and high power rating



Transporting green tires to the curing presses

Our MAXO MS TV005 transportation vehicles with integrated roller conveyor are ideal for transporting green tires to the curing presses on a flexible and scalable basis.

Your benefits

- Optimization through MAXOLUTION® process and system simulations
- Flexible and scalable logistics system that frees up space
- Real-time tracking
- Integrated roller conveyor with ECDriveS®



Mechanical curing presses

Our synchronous CMP servomotors are used as main drives in the vulcanization process.

Your benefits

- Excellent dynamics
- Precise positioning thanks to integrated encoder
- Powerful brake
- Tailor-made drive solutions

