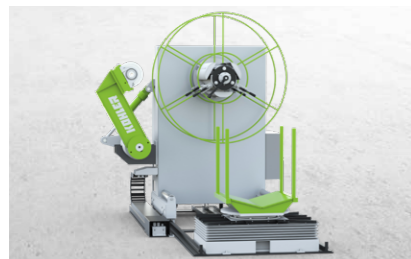
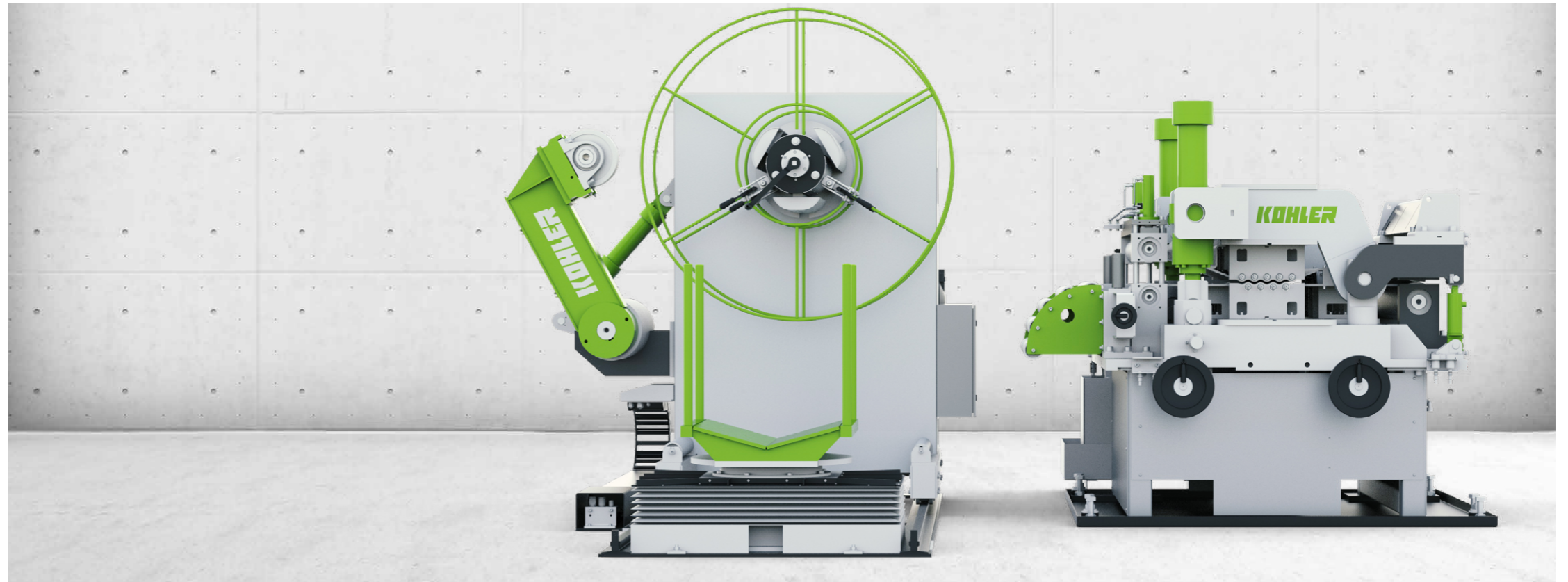


ULTIMATE
PRECISION
AND COMPACT
DIMENSIONS

**COMPACT STRIP
FEEDING LINE WITH
NEXT-GENERATION
FEED LEVELING
MACHINES**

COMPACT STRIP FEEDING LINE FOR PRECISE LEVELING

The compact strip feeding line from KOHLER levels sheets with outstanding precision. Its compact dimensions make it ideal for use in cramped spaces. The innovative direct drive of the leveling rollers increases the leveling range of the newly developed feed leveling machine while also making it more economical.

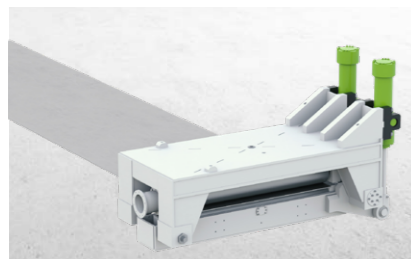


Coil Handling

- Decoiler with coil loading chair
- Strip width 100 mm to 1300 mm
- Coil weight 4 t to 20 t
- A sliding wedge expansion that is gentle on materials

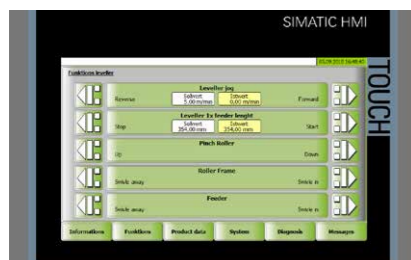
Options:

- Coil loading car



Pinch rollers (option):

- Electrically driven pinch rollers on the coiler mandrel for a large strip cross section
- Additional roller basket or impact protection



Operating Concept

- Operating concepts with individual automation level



Direct Drive

- Direct drive of the leveling rollers via gear motors instead of conventional distribution gears and cardan shafts
- Up to 20% increase in leveling range with the same leveling roller diameter in comparison to a conventional drive
- The material processing is gentle on surfaces



Feed Leveling Machine

- Low-maintenance owing to the lack of open oils and the use of lifetime lubrication
- User-friendly maintenance concept with a 35° opening angle of the roller frame, resulting in easier access
- Leveling rollers are easy to inspect and upgrade



Supporting Rollers

- Generously sized supporting rollers
- High force flow
- Increased output range

COMPACT. INNOVATIVE. ECONOMICAL.

STRIP FEEDING LINE IN A COMPACT DESIGN WITH INNOVATIVE DIRECT DRIVE



Decoiler

The single decoiler holds coils with a weight of 4 t to 20 t and a strip width of 100 mm to 1300 mm. The coil is securely held in place using a sliding wedge expansion that is gentle on materials. Different concepts are used to secure the coils on the coiler mandrel as needed. A coil loading car can be used as an alternative to the coil loading platform.



Pinch Rollers (optional)

Depending on the thickness and width of the strips, an optional electrically driven pinch roller can be used. This can be used, for example, if the loop supply and length during zig-zag operation are insufficient or the pressure roller cannot transfer the required strip tensile force. The lower pinch roller is pitched for strip insertion. An additional roller basket or impact protection are available as an option.



Feed Leveling Machine

The newly developed feed leveling machine processes material with strip thicknesses of 0.5 mm to 8 mm and strip widths of 100 mm to 1300 mm depending on the yield point. The feed length is 50 mm to 9999 mm. The feed leveling machine achieves up to 60 strokes per minute with pilot release. Generously sized supporting rollers optimize the force flow and thus increase the output range in comparison to machines with smaller supporting rollers.



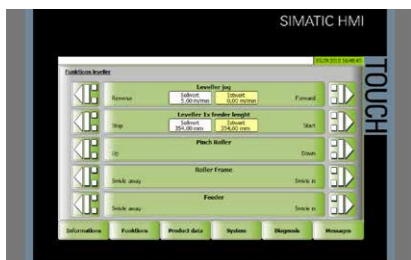
Direct Drive

The direct drive of the leveling rollers results in significant advantages in comparison to conventional distribution gears with cardan shafts: The compact feed leveling machine impresses thanks to its increased leveling range while using less power. The surface of the sheets to be leveled is also handled gently during processing. Susceptibility to wear is reduced as the direct drive has fewer movable parts.



Easy Maintenance

The machine impresses users thanks to its easy maintenance. The lack of cardan shafts in the leveling roller drive means there is no need for lubrication. The leveling rollers have a significantly lower level of wear and thus have a longer service life. The top roller frame can be swiveled up by 35°, thus facilitating access to the leveling rollers and making them quick and easy to clean, maintain and upgrade.



Operating Concept

Operating concepts can be tailored to customer requirements with individual automation levels. Material data are saved, or status reports and maintenance instructions shown during this process.

OPTIMAL LEVELING RESULTS EVEN IN CONFINED SPACES

THE COMPACT STRIP FEEDING LINE BOASTS OUTSTANDING COMPACT DIMENSIONS, HIGH ECONOMIC EFFICIENCY, AND AN INNOVATIVE MACHINE DESIGN. THE PRECISE LEVELING RESULTS OF THE NEW FEED LEVELING MACHINE GENERATION MEET THE HIGHEST QUALITY REQUIREMENTS.

Compact Design

- The sophisticated concept saves space, making the line particularly well suited for confined spaces.
- No loop guidance or strip transfer bridge is required for the line concept. This means that no additional structural measures—e.g. for a loop pit—are required.

High Economic Efficiency

- The newly developed direct drive of the leveling rollers reduces the line's power consumption.
- Maintenance costs are reduced as there are fewer moving parts in the drivetrain leveling roller drive.
- The efficiency of the strip feeding line is increased due to the reduced maintenance requirements.

Innovative Machine Design

- The innovative direct drive of the leveling rollers enables the performance range to be increased by up to 20% with the same roller diameter in comparison to lines with a conventional drive concept.
- Generously sized supporting rollers ensure optimal force flow.

Individual Options Available

There are various options available to precisely adapt our compact strip feeding line to your requirements. Please do not hesitate to contact us.

