

## LÜRAFLEX<sup>®</sup> INNOVATIONS



Materials, processes and requirements are growing at a continuous pace. Complex web runs, increasing speeds and complex materials and composites demand the right solutions. Constant proximity to processes and continuous communication with engineers on site are indispensable to develop advanced elastomer materials and intricate profiling work.

### CONCAVE SPREADER ROLLS

The concave roll shape means that material at the roll edge runs on a larger diameter than in the centre. This achieves an additional spreading effect.

Patented design (DE 101 35 124)

### SPREADER ROLLS FOR THIN ALUMINIUM FOIL

With ultra-thin aluminium foil running at high speed, an air pocket may form in the middle of the spreader roll.

This problem can be eliminated by two different solutions without damaging the aluminium.

Patented designs (DE 101 51 623, EP 1336 680 and DE 102 06 568)

### AIR CHAMBER ROLLS

These patented LÜRAFLEX<sup>®</sup> PRESSURE ROLLS with AIR CHAMBER SYSTEM feature highly efficient compressibility with excellent recovery (EP 1 593 631). Air chamber geometry is adapted to the parameters required by the application.

Designs include electrically conductive and anti-adhesive qualities and resistant to ozone, water, oil, acid and temperature.

Applications include integration in longitudinal cutting machines, contact roller before reeling, squeeze roll, splice roll etc.

### PRESSURE/CONTACT ROLLS FOR WINDING

Profiled or smooth, compact or sandwich construction.

All-Presscoat, with damping properties provided by a special surface profile, with „dynamic“ pinch, improved air squeezing.

Contact rolls with air chamber system in longitudinal cutting machines to compensate for diameter differences between applications without any problem.

### GUIDE ROLLS

The product web is centred by a special surface profile

(DE 198 57 123 and DE 101 35 124).