



**Maximum
control**

X-trol

**The new
dimension
for stable
processes**

Strength in the details

Precise, rugged, compact

The quality of the whole results from the synthesis of its components.

X-trol sets standard for functionality, service life and dependability.



Its modular concept forms the basis for variants tailored to the application at hand.

Each individual component has been carefully engineered right down to the final detail and manufactured to stringent quality standards.

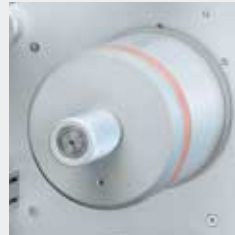


Low-mass reversing rollers with precision, easy-turning bearings and running surface

finishes and geometries specific to the application make for gentle and precise material guidance. The idler roller lever is used to



continuously evaluate the tension in the line for exact control of the reel drive, following the set-point value.



Functionality and ease of use are the essential engineering features of the X-trol. They include the following:

- the expansion chuck with a convenient quick-mounting function and tactile clamp acknowledgement,
- the take-up reel for protection liner unwinding – can be removed simply by pulling on it axially with the hand,
- stepless adjustment of line tension – during operations in process, too,
- opto-electronic diameter sensing to initiate the “roll change” warning.



X-trol is synonymous with quality in every detail.



Thinking anew

Versatile, sensitive, reliable

Exactly controlled feed of tension sensitive materials: X-trol.

X-trol is the trend-setting innovation for motor-powered feed of continuous materials which are sensitive to tensions, entering the process line precisely, with sensitive monitoring and under close control.

The system's strength is found in the reduction to the essentials. The newly crafted and patented solutions satisfy the most demanding engineering and quality requirements – pure precision. The convincing result is a delivery unit which always feeds the material at defined tension, free of transients, gentle on the material and independent of the running speed.

X-trol is your guarantee for the most stable process possible. Custom-built to suit the application and the industry, it makes use of a variety of materials and covers broad ranges in tensions and speeds.

And that, of course, makes for uniform high process quality and production reliability.



LW 50 U

*ad-X-trol with integrated
protection liner unwinding
for self-adhesive tape.*

Skillfully combined

Flexible, adaptable, functional

The quality of the concept is found in the breadth of its options.

X-trol – with all its versions – covers the entire applications spectrum: very fine materials such as bonding wires, membrane fibers and films, industrial yarns or self-adhesive tapes can be handled in just the same way as optical fibers, wire and films or webs made of paper, plastic, aluminum etc.

The concrete task alone sets the limits for the **X-trol** equipment family.

Because it is enormous in its versatility.

Regardless of which model you select: **X-trol** always offers exacting and affordable technology.

Designed as a compact functional module, the **X-trol** can be integrated into an existing unit or used as a separate device. Individual and multiple sequences are possible with a virtually unlimited number of module combinations. Superb flexibility.

Every **X-trol** unit offers

- compact, modular technology
- defined tensions
- enhanced process reliability
- simple, convenient use
- low-maintenance technology with long service lives
- compatible with all automation requirements.

Because **X-trol** means maximum control.



LW 50 LWL

of-X-trol for optical fibers as a twelve-fold integration module with built-in, online tension measurement



Honigmann

Tension management

... for harmonized process solutions

Honigmann expertise is reflected in more than 50 years of innovative performance.

The foundation stone for today's company was laid in 1948 by the firm's founder, Kurt Honigmann, with the invention of the high-frequency "capacitive load cell" – a breathtaking advance at the time. Honigmann quickly came to be known as the industry specialist for electronic tension measurement.

The rapid technological developments in the years which followed formed the basis for numerous patented and highly successful solutions.

Today Honigmann is the top address for tension management

- from the analysis of the problem
- through design and development
- and installation of equipment
- and on to service

all centered on individual customer requirements for processes incorporate optimized tension.

Honigmann – The unique combination of applications knowledge cutting across industrial boundaries, technical know-how, expertise in precision mechanics and customer-focussed approaches to solutions, joined with the advantages of its own development, engineering and manufacturing capacities.

Building in precision and sensitivity in detail, through stability in the unit and its functions, for harmonized process solutions.

Honigmann
Industrielle Elektronik
GmbH

Krebsstraße 2-8
D-42289 Wuppertal

Tel +49-202-622026
Fax +49-202-63568

info@honigmann.com
www.Honigmann.com