

Cost reduction through mill roll technology

- long life time
- reduced storage
- high coefficient of friction
- roller repair
- reduced maintenance

New Mill Roll Technology

Optimal properties through intensive R & D

MITEX mill rolls are used in various applications. Their state of the art properties allow a multiple life time of standard coverings and provide individual technical advantages. Further steps in our R&D department are in progress.

Only fabrics of high standard fleeces are used.



Applications of MITEX mill rolls

- Steel, stainless steel, aluminium, copper and brass industry
- Cold strip mills, coil industry
- Automobile presses and automotive suppliers
- Automotive blank washers
- Presses and punching stations
- OEM and plant construction
- Pipe manufacturing

Leading in mill roll technology

Mitex as a leading manufacturer offers mill rolls with state of the art properties for various applications like squeezing and rinsing as well as guiding, transportation and pulling. Long life times and high squeezing efficiency are only two of the multiple advantages of MITEX mill rolls.

MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

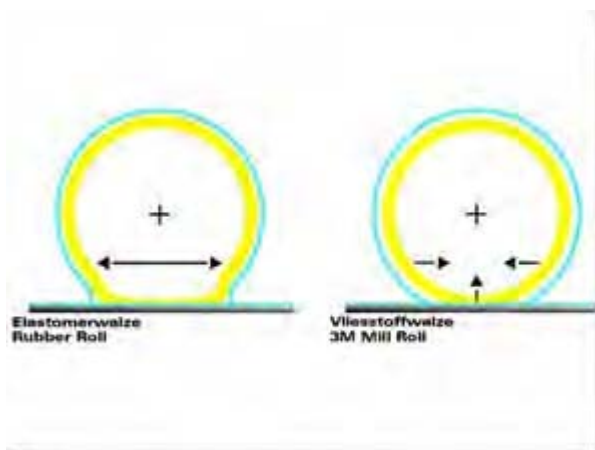
E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

Materials



Various basic materials are available for your individual application.

Advantage of a MITEX mill roll



Construction

Specific designs and individual roller constructions provide Solutions for various applications.

Higher Performance under pressure: Due to its porosity and adopted hardness the MITEX mill rolls offers higher squeezing efficiency in comparison to conventional rubber rolls. The suction / absorption process after the NIP enhances the squeezing effect.

MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

Various applications

Squeezing rolls

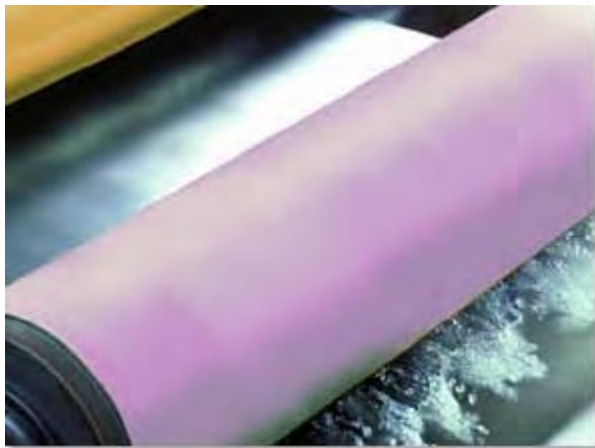
Aqueous Media

Due to its compressible matrix and the resulting absorption mechanism MITEX mill rolls enhance the squeezing effect in comparison to rubber rolls.



Chemical media

MITEX mill rolls are also available for alkaline and acidic media. For different pH values Mitex offers specific materials. Our technicians will recommend certain coverings according to your process parameters. (up to 20 % (w/w) HCl / H₂SO₄; 5 % HNO₃)



MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

Oil and lubricants

Our mill rolls are widely used in automotive blank washers as oiling and de-oiling rolls. Also presses and punches show enhanced performance due to MITEX mill rolls.

De-oiling

De-oiling rolls in Sendzimir mills remove excess processing and milling oil.



Oiling

Oiling rolls apply an even oil film on metal surfaces.



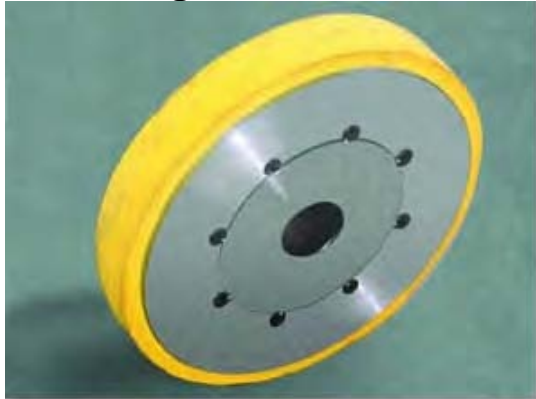
MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

Measuring wheels

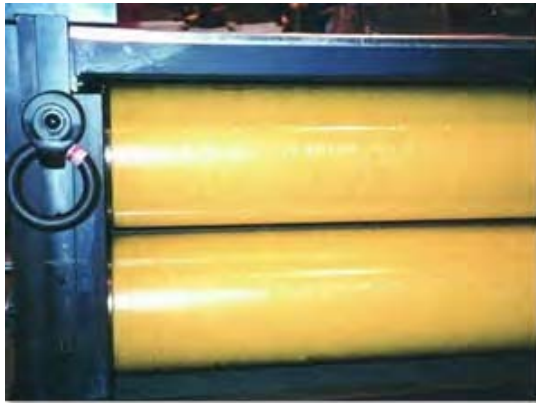


Aquaplaning will be reduced by using our mill rolls.

Drive wheels in Pipe mills



The high coefficient of friction reduces slippage of drive wheels on oily pipe surfaces.



Automotive blank washers

MITEX mill rolls provide an even oil film on metal surfaces in automotive blank washers.

Drive, Bridle and Tension rolls

Due to their high coefficient of friction MITEX mill rolls are the ideal coverings for drive, bridle, tension and deflection rolls. Small metal, dust and dirt particles can be absorbed into the mill roll surface and therefore provide a surface protective property. Damages on metal surfaces will be reduced. Due to its coefficient of friction high tensions can be achieved. The control and guiding of cold mill strips is much easier.



MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

European Service made in Germany

Our service is around

As a modern and customer orientated company we offer a wide range of services incl. the repair of mill rolls. Our technical stuff is at your disposal all over Europe.

MITEX repair service

With our specific material and mill roll construction a fast and easy repair is possible. In case of damages these areas can be replaced by new material followed by the finishing process



(1) Cracks in the roller surface indicate a damage in the entire structure.



(2) Damaged areas are removed.



(3) The removed areas are replaced by new mill roll inserts.



(4) The final finish of the repaired roll provides a brandnew roller covering.

MITEX Gummifabrik – Hans Knott GmbH

Ludenberger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>

MITEX product range

- rubber and PU rollers
- silicone rollers
- fluor polymer coverings
- fleece for surface protection
- surface protection bars
- steel and stainless steel cores
- FEP/PFA coverings
- ceramic rolls for furnaces
- hard surface coatings
- magnetic rolls
- conveyer rolls
- chrome rolls

Contact us

Our individual service and a cost analysis will convince you of the advantages of MITEX Coating Rolls/Applicator Rolls and our Roller Technology.



Gummifabrik
Hans Knott GmbH



Global
Roller
Technologies
Group



Elastomertechnologie

MITEX Gummifabrik – Hans Knott GmbH

Ludenerger Str. 36-40
D – 40699 Erkrath

Tel.: +49 211 9 00 06-0
Fax: +49 211 24 61 18

E-Mail: info@mitex.de
<http://www.mitex.de>
<http://www.grtg.biz>