



BöttcherTec

Roller Solutions for the Wood and Furniture Industry



Systems ►► Industry

EXPERIENCE + KNOW-HOW



Our Commitment, Your Advantage:

■ Highly developed Products

BöttcherTec Roller covering materials in rubber and polyurethane, specially designed for the forestry and furniture industry, hardness and temperature resistance tuned to the specific requirements of each process step. Outstanding quality for stable processes, long roller life and minimum downtime.

■ Global Presence

Central rubber compounding in our highly automated mixing facility ensures identical quality and material characteristics wherever in the world you are. Local application on rollers in our 20 roller manufacturing plants provides local service and short lead times.

■ Complete, systematic Solutions

Individual support and material selection on site by our technical support staff. Laboratory tests help identify any compatibility issues with stains, varnishes, adhesives, etc. before they have a chance to negatively impact your process. Fast and cost-effective service all over the world through our manufacturing network – Böttcher is always close to you!



■ In-depth Application Competence

For decades, Böttcher has been working with customers at all levels in the production and processing of wood and wood-based products to fine-tune the performance of roller materials to fulfill the ever-increasing demands of the industry. Unrivalled technological capabilities and laboratory equipment make it possible to develop and produce materials which transcend the limitations of conventional roller coverings.



Systems ►► Industry



© LEICHT Küchen AG



© Mehling & Wiesmann GmbH



© Mehling & Wiesmann GmbH

Forestry and Furniture: Materials for a Sustainable Future

Wherever we go and whatever we do, wood is an integral part of our lives: we walk and sit on, sleep in and live under furniture, floor coverings and roof constructions made of wood. As a material, wood keeps us in touch with nature, exudes warmth, security and individuality – no two pieces of wood are the same. Wood is at the centre of discussion on climate change and irrevocable environmental damage: the demand for high-quality wood jeopardizes the tropical rain forests and with it countless species of birds and animals whose home they are. At the same time, scientific studies show that wood as a building material can significantly reduce the carbon emissions and the

environmental impact of construction projects. Sharing the planet and ensuring a sustainable supply of wood at all stages in its development is a task which confronts us all. Between ecology and a rapidly growing global population requiring homes and furniture, the wood processing industry faces a multitude of challenges: preserving the fabric of nature while often bringing welcome jobs to rural and otherwise under-developed regions, the industry fulfills both an economic and a social function. And as a supplier of long-term and global partner to the industry, the Böttcher Group helps the industry to take on and master the challenge.

Böttcher: Global Partner of the Wood-Processing Industry

As the world's largest roller manufacturer, with 20 factories in 14 countries, Böttcher develops and manufactures elastomer roller coverings specifically tailored to the requirements of wood processing. All our rubber compounds are produced in our central mixing facility in Germany, ensuring consistent quality all over the world, while our international roller manufacturing network guarantees local service and short delivery times. Wherever you are in the world, you can rely on Böttcher for product supply and support.



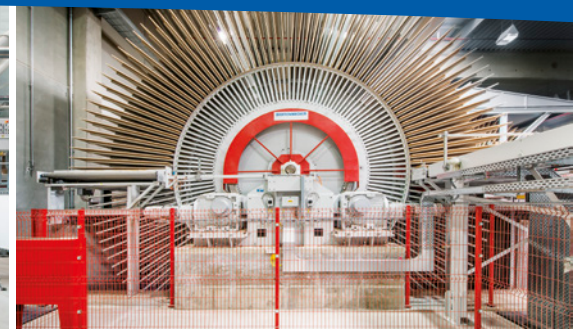
© Hymmen Industrieanlagen GmbH



© Hymmen Industrieanlagen GmbH



© Uwe Mühlhäuser



© Uwe Mühlhäuser

BöttcherTec Rollers: Tailor-made for each Step of the Process

Every stage in the processing of wood and the manufacturing of furniture, floor coverings and construction materials poses its own challenges. In each operation – sawing, sanding, staining or varnishing – the roller coverings have to be specifically designed to withstand the specific chemical and mechanical demands of the process. The chemicals involved in these processes can attack, prematurely age and even destroy the roller

coverings. From the development of the roller material to conducting compatibility tests in our extensive laboratories, we at Böttcher use our experience and our know-how to help you pick the right roller coverings and keep your process running smoothly. Roller hardness, temperature resistance and surface finish all have to be tailored to the specific requirements of each process step. For example, our porous rubber coverings for stain-

ing are available in a range of pore structures and densities, ensuring the correct transfer pressure and volume for each type of material. To help you optimise your sanding process, we offer roller coverings in a variety of durometers and with different gradients in the surface profile: harder coverings and steeper gradients remove more material, softer rollers and flatter profiles enhance the smoothing and polishing effect.

Mechanical properties of roller coverings

- **BöttcherTec** roller covering materials are very wear-resistant and will outlast most other rollers
- For particularly tough applications (e.g. doser rollers) we have developed hard rubber and polyurethane coverings
- Special surface finishes guarantee good traction (important for transport rollers, etc.)
- Anti-aging additives make the materials resistant to ozone and UV light
- High elasticity, less edge marking

Chemical properties

- Formulated to stand up to water- and oil-based coatings, stains and other process chemicals
- Roller surface does not become tacky, remains easy to clean
- Anti-adhesive coverings for laminating
- Coverings do not stain or mark the wood

Special features

- Special grooving options (e.g. Optiroller for precise dosing and transfer when varnishing)
- Porous rubber coverings in a range of durometers and densities

Set and forget: How Roller Quality makes your Life easier

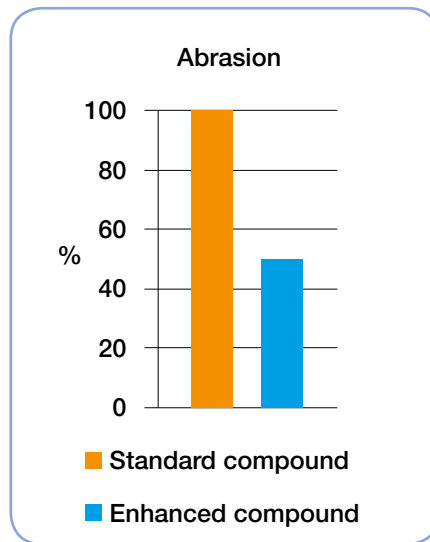
You know your machines and processes better than anyone, we know our materials and their influence on the result. Putting our joint knowledge to work enables the selection of the best material for your roller needs. When conducting on-site trials or investigating problems, we will be right there at

your side to support you in finding the best possible solution. We are happy to analyze your process requirements and develop customized materials to deliver the results you need. We see ourselves as a “Productivity Provider”: your rollers should simply do the job, day after day, week after week. Stable

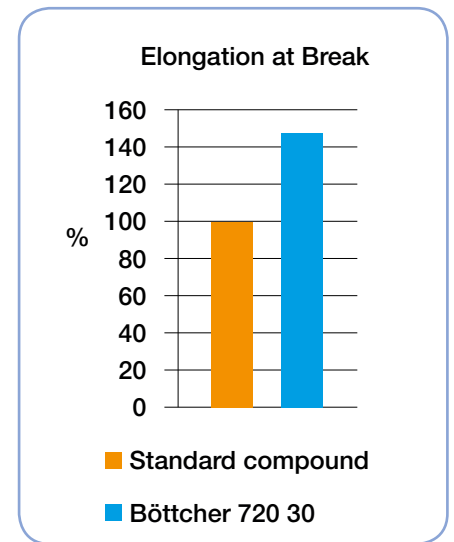
performance and a long life cycle mean that in future you can concentrate more on your process and product quality, without being distracted by roller issues. That’s what we mean when we say “Set and Forget”: install, set and then concentrate on getting the best results from your process.

Wood is a natural material and as such subject to diversity and irregularity. It requires roller coverings specifically designed to accommodate these variations: differences in surface roughness and material thickness can cause friction and varying mechanical loads during processing, leading to premature wear of the rollers. Roller materials specifically designed to be simultaneously more elastic and mechanically robust counteract this and extend roller life.

Coating rollers must be chemically resistant to the different varnishes and at the same time lay down an even coat. Coating edges and grooves is particularly challenging: to achieve an even distribution of the material, the roller covering has to deform and adapt



to the uneven surface. This causes localized stretching of the elastomer covering, which in time can cause the



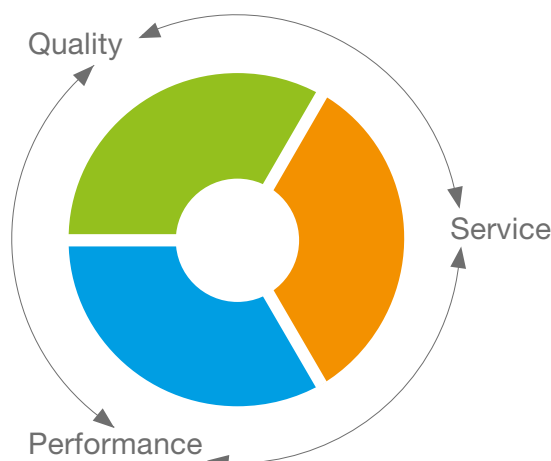
material to rupture. The correct balance of malleability and tensile strength is a hallmark of Böttcher roller materials.

Rely on us for Quality, Service and Performance

Böttcher quality is not merely the result of a tightly controlled production process. It also requires a great deal of research and development. We test 3,000 new compounds for rollers every year, for example. Of those, the field is narrowed to 300. And only the 30 materials that meet our requirements without reservation eventually reach the market – so that you can be sure of working with the best possible solution at all times.

Böttcher service combines the experience gained over 280 years with state-of-the-art know-how and ambitious commitment to our products and our customers. That gives you the assurance of having a reliable partner who knows his business and has his eye on future developments to be prepared for each new trend and challenge.

Böttcher performance has only one objective: to make you even more productive with our high-quality solutions. We make your concerns our concerns, so that your processes become even more reliable and your operations more economical and efficient.



FB Köln

Felix Böttcher GmbH & Co. KG
Stolberger Str. 351 - 353, 50933 Köln
Phone: +49 (0) 221 4907 1
Fax: +49 (0) 221 4907 435
koeln@boettcher-systems.com

Gelsdorf (Compounding)

Böttcher Gelsdorf GmbH & Co. KG
Max-Planck-Str. Straße 2 - 6, 53501 Graftschaff
Phone: +49 (0) 2225 92 31 0
Fax: +49 (0) 2225 92 31 22
gelsdorf@boettcher-systems.com

Gelsdorf (Handrails)

Böttcher Gelsdorf GmbH & Co. KG
Max-Planck-Str. Straße 2 - 6, 53501 Graftschaff
Phone: +49 (0) 2225 92 32 0
Fax: +49 (0) 2225 92 32 49 / 51
gelsdorf@boettcher-systems.com

KB Bergheim

KB Roller Tech Kopierwalzen GmbH
Zum Frenser Feld 2, 50127 Bergheim
Phone: +49 (0) 2273 942 0
Fax: +49 (0) 2273 942 129
info@kbrt.de

Argentina

Böttcher Sudamérica S.A.
1629 Pilar, Buenos Aires
Phone: +54 (0) 2322 46 62 00
Fax: +54 (0) 2322 49 63 51
aschwald@boettcher-systems.com.ar

Australia

Böttcher Australia Pty Ltd.
Castle Hill, NSW 2154, Sydney
Phone: +61 (0) 2 96 59 27 22
Fax: +61 (0) 2 96 59 27 44
info@boettcher.com.au

Austria

Böttcher Österreich GmbH
2353 Guntramsdorf, Austria
Phone: +43 (0) 2236 86 07 01
Fax: +43 (0) 2236 86 07 01 50
office@boettcher.at

Baltic States

UAB Böttcher Balticum
Radmēs g. 3 B, 82142 Radvilīškis
Phone: +370 (0) 42 25 05 38
Fax: +370 (0) 42 25 05 38
boettcher@boettcher.lt

Brazil

Böttcher do Brasil Ltda.
Rua Antonio Ovidio Rodrigues, 1470
Quada D-Lote I e II - Pq. Industrial III, Jundiá - S.P.
Phone: +55 11 35 11 53 44
Fax: +55 11 26 18 18 66
fabio@boettcherdobrasil.com.br

Canada

Böttcher Canada Limited
Mississauga, Ontario L4T 1G3
Phone: +1 905 612 07 38
Fax: +1 905 612 81 27
bob.nixon@boettcher-systems.com

China

Böttcher Printing Equipment (Suzhou) Co., Ltd.
215200 Wujiang, Suzhou, Jiangsu Province
Phone: +86 (0) 512 63 40 71 00
Fax: +86 (0) 512 63 40 75 57
suzhou@boettcher-systems.com

Czech Republic

Böttcher CR. k.s.
68201 Vyškov
Phone: +420 (0) 517 32 65 11
Fax: +420 (0) 517 34 17 18
boettcher@boettcher.cz

Denmark

Teknisk Gummi Horsens A/S
Norgesvej 6
8700 Horsens
Phone: +45 7626 9377
Fax: +45 7562 3987

France

Böttcher France S.A.R.L.
77542 Savigny-Le-Temple Cedex
Phone: +33 (0) 1 64 10 50 50
Fax: +33 (0) 1 64 41 08 90
info@boettcher-france.com

Great Britain

Böttcher UK Ltd.
UK Sales Service Centre and Chemical Manufacturing
Clitheroe, Lancashire, BB7 1QU
Phone: +44 12 00 42 53 00
Fax: +44 12 00 42 61 78
salesandservices@boettcher-systems.com

Hong Kong

Böttcher Hong Kong Ltd.
Kwun Tong Kowloon
Phone: +85 2 23 41 91 11
Fax: +85 2 23 41 91 55
kammyli@boettcher.hk

Hungary

Böttcher Magyarországi Kft.
6000 Kecskemét
Phone: +36 (0) 76 50 53 50
Fax: +36 (0) 76 50 53 52
boettcher@boettcher.hu

India

Böttcher (India) Pvt. Ltd.
Unit 259 -260, Second Floor
Tower B, SpazEdge,
Sohna Road, Sector 47
Gurgaon - 122002
Phone: +91 (0) 12 44 00 17 94
Fax: +91 (0) 12 44 10 53 54
india.info@boettcher-systems.com

Indonesia

PT. Böttcher Indonesia
Kawasan Industri Pulogadung, Jakarta 13920
Phone: +62 (0) 21 46 83 29 36
Fax: +62(0) 21 46 83 29 42
boettcher@cbn.net.id

Italy

Böttcher Italiana S.P.A.
Via C. Goldoni 24, 20090 Trezzano sul Naviglio
Phone: +39 02 484 17 1
Fax: +39 02 484 17 342
boettcher-italy@boettcher-systems.com

Japan

Boettcher Japan K.K.
Tokyo 136-0075
Phone: +81 3 36 47 64 01
Fax: +81 3 36 47 64 11
tomiyama@boettcher.cp.jp

Korea

Boettcher Korea Co., Ltd.
Sadong, 596-4, Changhang-dong,
Ilsadong-gu
Phone: +82 (0) 31 907 67 81
Fax: +82 (0) 31 907 67 86
cjpark@boettcher.co.kr

Malaysia

Böttcher Malaysia Sdn Bhd
47100 Puchong, Selangor Darul Ehsan
Phone: +60 3 80 62 20 42
Fax: +60 3 80 62 42 03
kenny.loo@boettcher-systems.com

Mexico

Böttcher Sistemas S. de R.L. de C.V.
Amado Nervo # 119-A Colonia Moderna
C.P. 03510 Delegacion Benito Juarez
Mexico Distrito Federal
Phone: +52 (0) 55 56 57 72 93
Fax: +52 (0) 55 56 57 94 19
enrique.iturbe@boettcher-systems.com

Middle East

Boettcher Middle East FZ LLC
Office 206, Circular Building P.O. Box: 485025
International Media Production Zone (IMPZ)
Phone: +971 / (0) 44 22 79 84
Fax: +971 / (0) 44 22 76 94
pius.marokky@boettcher.ae

The Netherlands

Böttcher Nederland B.V.
4261 TK Wijk en Aalburg
Phone: +31 (0) 416 69 71 90
Fax: +31 (0) 416 69 73 59
service@boettcher.nl

Poland

Böttcher Polska Sp. z o.o.
05-870 Blonie
Phone: +48 (0) 22 731 61 10*
Fax: +48 (0) 22 731 61 11
office.pl@boettcher-systems.com

Russia

Boettcher CIS, LLC
Moscow 125373
Phone: +7 495 662 30 93
Fax: +7 495 662 30 94
moscow@boettcher-systems.com

Sweden

Böttcher Nordic AB
PO Box 245, Brårudsalén, 68633 Sunne
Phone: +46 (0) 565 165 70
Fax: +46 (0) 565 165 80
info@boettcher.se

Switzerland

Böttcher Schweiz AG
6331 Hünenberg ZG
Phone: +41 (0) 41 784 11 11
Fax: +41 (0) 41 784 11 12
office.ch@boettcher-systems.com

Singapore

Böttcher Singapore Pte. Ltd.
#05-126 Enterprise Hub, Singapore 608586
Phone: +65 64 63 21 31
Fax: +65 64 63 11 31
singapore@boettcher-systems.com

Slovak Republic

Böttcher Slovenská republika, s.r.o.
85201 Bratislava
Phone: +421 (0) 2 63 81 36 24
Fax: +421 (0) 2 63 81 36 25
boettcher@boettcher.sk

Spain

Böttcher Ibérica S.A.
28810 Villalbilla (Madrid)
Phone: +34 91 885 95 77
Fax: +34 91 885 92 68
ventas@boettcher-systems.com

Taiwan

Böttcher Taiwan Co., Ltd.
New Taipei City 235, Taiwan, R.O.C
Phone: +886 (0) 2 82 28 68 48
Fax: +886 (0) 2 82 28 68 49
barry.mao@boettcher.com.tw

Thailand

Böttcher (Thailand) Ltd.
Bangsamak, Bangpakong, Chachoengsao 24180
Phone: +66 (0) 38 57 16 00
Fax: +66 (0) 38 57 16 00
anurux.sasasmit@boettcher-systems.com

KB Thailand

KB Systems (Thailand) Co., Ltd.
Baanlane, Bang Pa-in, Ayutthaya, 13160
Phone: +66 (0) 35 31 42 23
Fax: +66 (0) 35 31 43 88
kan@kbsystems.co.th

Turkey

Boettcher Matbaa Malzemeleri Ticaret Ltd. Sti.
34953 Tuzla - Istanbul, Turkey
Phone: +90 (0) 212 659 93 38
Fax: +90 (0) 212 659 93 40
ozan.karaca@boettcher-systems.com

Ukraine

Böttcher Ukraine
02156 Kiev
Phone: +38 (0) 44 513 80 09
Fax: +38 (0) 44 513 98 38
office@boettcher.ua

U.S.A.

Böttcher America Corporation
Belcamp, MD 21017
Phone: +1 410 273 70 00
Fax: +1 410 273 71 74
david.dinsmore@boettcher-systems.com

U.S.A.

Böttcher America Corporation
Tipton, Indiana 46072
Phone: +1 765 675 44 49
Fax: +1 765 675 41 11
jeff.hoover@boettcher-systems.com

KB America, Inc.

Eagle's Landing Business Park
1565 Jefferson Rd.
Bldg. 100, Suite 160
Rochester, NY 14623
USA
Phone: +1 585 359 37 37
Fax: +1 585 359 37 41
bfarmer@kbamerica.us

