



bückmann



SCREEN TENSIONING SERVICE



FABRIC TECHNOLOGY



CONTRACT MANUFACTURING



bückmann

BÜCKMANN – Your reliable partner for bulk goods materials processing.

In 1984 the family-run business was founded by Robert Bückmann. What started out as a small screen tensioning service operated from his own garage has since grown into a group of companies operating across several sites.

Today the screen tensioning service together with the contract manufacturing and fabric technology divisions are the cornerstones of the company's range of products and services.

International customers in the bulk goods industry as well as many other sectors rely on BÜCKMANN's experience that stretches back over decades.

BÜCKMANN products are used in the following fields:

- food
- pharmaceuticals
- chemicals
- plastics
- timber
- powder coatings
- minerals
- medicine
- mechanical engineering
- energy
- recycling



Management
System
ISO 9001:2015

www.tuv.com
ID 9108632010

SCREEN TENSIONING SERVICE

A screening machine can only achieve optimal performance if it has a properly tensioned screen frame. BÜCKMANN is your reliable screen tensioning partner. We manufacture high-quality, state-of-the-art screen frames with glued joints tailored for each specific application. Spot welding or soldering can also be used to fasten the screen fabric in place.

BÜCKMANN also provides a re-tensioning service. Defective screens can be overhauled and returned to the customer on schedule in near mint condition.

Furthermore, we can also provide spare and wear parts for numerous screening machines. Various screen frames and a wide range of accessories can be supplied at short notice.

FABRIC TECHNOLOGY

A high-quality fabric is crucially important for any screening and filtration process. It is essential for adhering to the product specification and maintaining the desired level of quality over the long term.

BÜCKMANN has a warehouse which stocks a large assortment of screening and filter fabrics made of metal, synthetic and natural silk. Thanks to our many years of experience of processing these fabrics, we can manufacture screening and filter elements which are tailored to our customers' specific requirements. If you wish, we will help you to select suitable screening and filter fabrics for each new production process – from the initial planning steps through to series production.

CONTRACT MANUFACTURING

BÜCKMANN provides a wide range of powder and granulate processing services. BÜCKMANN's contract manufacturing operations include services such as screening, sifting, grinding, mixing, compacting, filling and repacking for customers in the fine and speciality chemicals industries and other sectors.

One-off orders, for example to resolve production bottlenecks, are handled flexibly and reliably. The long-term undertaking of complete process steps is also common.

Thanks to the decades of experience that we have accumulated in collaboration with our customers, at BÜCKMANN we know what the processing of bulk goods is all about. Rigorous adherence to specifications and the purity of the products are just as important as meeting deadlines and discretion.

SCREEN TENSIONING SERVICE

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SCREEN FRAMES RE-TENSIONING SERVICE

Fast service, extensive know-how and high quality. So you always have the right sieve for your application. Bückmann can also provide many other screening machine-related products.

Complete new frames in many different types

- Manufacture of screen frames from stainless steel, aluminium and wood in standard design or according to customer specification

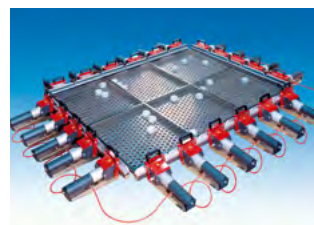
Screen frame re-tensioning service

- Tensioning of screen frames for all screening machines
- Large selection of stainless steel and synthetic screen fabrics
- As well as standard glues, many special glues are available that are suitable for use in contact with foodstuffs, or for use in high temperatures or wet conditions or with abrasive products
- The screen fabrics or perforated metal plates can be fastened in place with spot welding or soldering
- Tensioning of ultrasonic screen frames
- Screen frames for use in explosion-hazard areas
- Tensioning of filter and centrifuge elements
- Frames for clean room, air-conditioning and hospital systems
- Tensioning up to 3.00 m and more is possible
- Quality certificate with each order



Delivery and pick-up service/transport boxes

- Reliable, on-schedule pick-up and redelivery of screen frames using our own vehicles can be provided as agreed with you
- Logistics organisation for pick-up and dispatch
- Special transport boxes for secure shipping of screen frames



SCREEN TENSIONING SERVICE

Spare and wear parts



- Stainless steel intermediate ring



- Ball tray for screen cleaning balls, made of stainless steel or carbon steel



- Seals for screen frames and screening machines



- Rubber vibration absorbers



- Clamp screws for tumbler sieves



- Various spare parts for plansifters



- Measuring and testing instruments

Screen cleaning balls

- Of various diameters and materials (including rubber, silicone, polyurethane)
- For use in contact with foodstuffs as per EU 10/2011 and/or FDA



Material	Hardness grade	Colour	Design/quality	Ø in mm
Rubber	up to 90° Shore A	e.g. black, white, brown, transparent	suitable for foodstuffs, oil-resistant, acid-resistant	15, 20, 25, 29, 30, 35, 40, 50
Neoprene	up to 80° Shore A			
Silicone	up to 55° Shore A	transparent		
Polyurethane	up to 80° Shore A			
Special features	Sieve balls with iron core, or fully magnetisable sieve balls. Special diameters can be supplied on request			



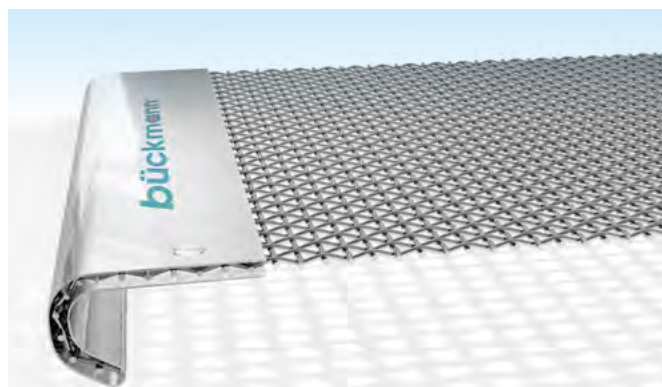
SCREEN TENSIONING SERVICE

Screens with hook stripes

- For various types of screening machines
- As an end or side tensioning device with a fine screen fabric or large mesh, made of several materials

Various designs

- Stapled or glued rubber seal/silicon seal
- PUR-strips for extra wear protection
- Wire cloth folded by 180°
- Upper fold for supporting fabric
- Many other special types also possible



Designation/ type	Standard Hooks	Double fold hook	Welded hooks for mesh	Hooks for spot- welded mesh	Flat tensioning hooks (double)	Flat tensioning hooks
Side tensioning						
End tensioning						

Test sieves

- Test sieves made of stainless steel or synthetic fabrics
- With test sieve fabric made of DIN ISO 3310-1 stainless steel or woven polyamide
- With soft solder seam resistant to temperatures of up to 170°C
- Available sieve diameters 50 to 600 mm
- Special manufacture also possible, e.g. with handles
- Test sieve fabric with mesh sizes from 20 µm to 150 mm
- Square perforated metal screens with aperture size from 4 mm to 125 mm
- Extensive range of accessories for analytical screening machines, e.g. cover, collecting vessels or seals
- Suitable for all current analytical screening machines



Sleeves

- Sleeves for plansifters and other uses

Material/colour	Hight in mm	Ø in mm
Rubber, black	273	100, 150, 200, 250
Neoprene, white		
Synthetic fabric	on request	on request
Polyurethane, transparent		



- Sleeves with flange connection (for food, pharmaceutical and other applications)
- Uncoupling sleeves for weighing processes
- Solutions for foodstuffs (EU 10/2011, FDA) and for EX-hazard areas



Exclusive partner of



SCREEN FABRICS MANUFACTURE FILTRATION

Sieve and filter fabric supplied in rolls or manufactured. Bückmann supplies metal and synthetic fabric solutions for various uses. The applications extend far beyond the bulk goods industry. We can provide advice on selecting the material and we will manufacture to your specifications.

Screen cylinders made of synthetic and metal fabrics

- Screen cylinders for turbo sieves or made to measure
- Screen cylinders of various types:
 - for the food industry, including with PUR welded seam, all components EU 10/2011-compliant
 - for EX-hazard areas with antistatic screen fabrics
 - as standard with seaming and taped longitudinal seam
 - made of stainless steel including with seaming or support mesh, for the food industry also made of AISI 430 magnetisable steel

Standard sizes – screen cylinders for turbo sieves	
Diameter	Length
110 mm	210 mm
185 mm	290 mm
185 mm	385 mm
185 mm	485 mm
185 mm	580 mm
310 mm	375 mm



Flexible sleeves made of filter fabric

- Dust-proof, flexible connectors to inlet and outlet of sifters/ sieves or other transitions
- Made to measure, e.g. with elastic braid, spacer rings or additional inner tube
- Selection of material according to the usage requirements, anti-static fabric also possible

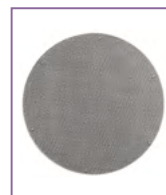


FABRIC TECHNOLOGY

Customer-specific manufactured metal and synthetic fabrics

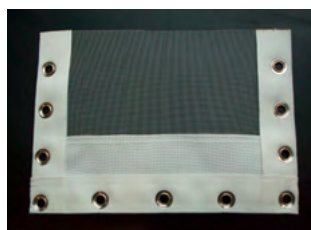
Manufactured metal fabric

- Stamped parts, e.g. screening discs with or without seaming, also multi-layer
- Manufactured cuttings, including with seaming and eyelets
- Cylinders in various types, including with support fabric
- Sieve baskets, including with support basket or handle
- Manufacturing methods include stamping, cutting, cylindric seam and spot welding, edging



Manufactured synthetic fabrics

- Stamped parts such as screening discs, hot or cold stamped
- Manufactured cuttings, including with seaming and eyelets
- Screen cylinders for turbo sieves or other applications
- Sleeves for flexible, dust-proof connectors in bulk goods operations
- Manufactured filters for various fields of use
- Conveyor belts of various sizes and in various types
- Sieve and filter tubes
- Manufacturing methods include hot/cold cutting, sewing, gluing, stamping, ultrasonic welding

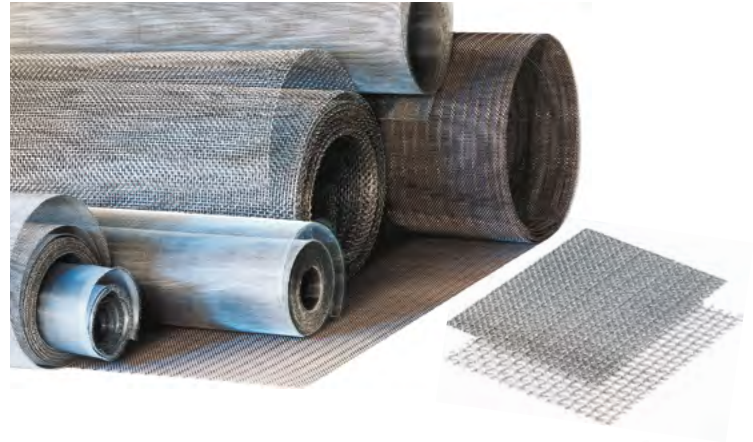


FABRIC TECHNOLOGY

Sieve and filter fabrics

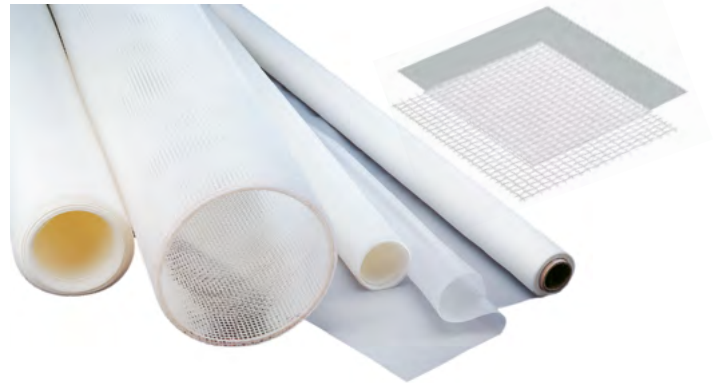
Metal fabrics and crimped screens

- Warehouse stocks of standard fabrics, including in widths up to 3.00 m
- Materials include AISI 304 and AISI 316 stainless steel, AISI 430 and AISI 318LN magnetisable stainless steel, AISI 301 stainless spring steel, chromium steel, spring steel, bronze and brass
- Crimped screens in various types and sizes
- All fabrics supplied in rolls or cut to parts as required
- Perforated sheets in various hole types and sizes



Synthetic fabrics and extruded nettings

- Materials include polyamide, polyester, polypropylene, PEEK, PPS and fluoroplastic
- Many fabrics suitable for foodstuffs as per EU 10/2011
- Antistatic fabrics in various designs
- All fabrics supplied in rolls or cut to parts as required
- Extruded nettings made of various materials and supplied in tubes or rolls



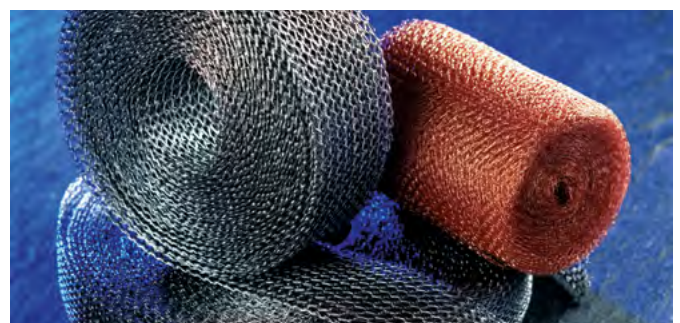
Filter media made of needle felt and filter fabric

- For dust removal/collection equipment and equipment for separating solids and liquids
- Filter tubes, pockets and bags made of fibre polymer or filter fabric
- Materials include PP / PES / PAN / PPS / AR / PI / PTFE
- Various equipment including water- and oil-repellent, anti-static, spark arresting, or with PTFE coating / PTFE membrane
- Accessories such as filter support baskets and filter frames



Knitted wire mesh

- Supplied as seamless tubes or moulded parts as required
- Fields of use include filtration (demisters), positioning and insulation applications
- Made of various types of metal and synthetic



CONTRACT MANUFACTURING

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SCREENING MIXING GRINDING COMPACTING FILLING AND REPACKING

You too can benefit from our wide range of machinery, our extensive know-how, and our many decades of experience in the field of bulk goods contract manufacturing. Bückmann handles every enquiry precisely according to the customer's wishes. Our number one aim is to enhance your product.

We specialise in

- Bulk goods in the fine and speciality chemicals field
- Superabsorber for technical and hygiene applications
- Powders and granulates for the catalyst and refractory industry
- Separate department for black products (e.g. activated carbon)
- Bulk goods with low minimum ignition energy
- Bulk goods classified as hazardous substances

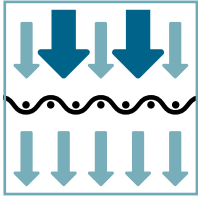
Production tests and quality assurance

- Carrying out of trials with the assistance of engineers
- Checking of product parameters before, during and after production
- Auditing by the customer is possible



CONTRACT MANUFACTURING

Screening



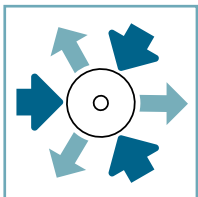
- Numerous screening machines with various types of drive and throughput capacities
 - Tumbler sieves
 - Vibration sieves
 - Plansifters
- Use of various screening aids including ultrasonic technology and ball-cleaning-systems

Mixing



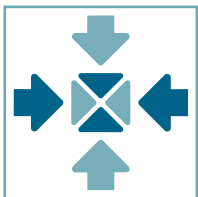
- Various batch mixers for mixing bulk goods
- Double cone mixers for the gentle mixing of especially shear-sensitive products
- Mixing under an inert atmosphere
- Mixing with the aid of knife heads that can be engaged as required
- Mixing with the additional injecting of liquids

Grinding



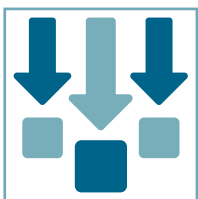
- Grinding equipment with product-specific, replaceable grinding tools
- Roller mill for gentle, low-dust grinding
- Pre-crushing of agglomerate

Compacting



- Compression of bulk goods
- Improving the fluidity of bulk goods that are not free-flowing

Filling and repacking



- Filling equipment for bagging into valve sacks or open sacks
- Filling into big bags, drums, containers or octabins also possible
- Special equipment for filling under inert atmosphere
- Small-package filling



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