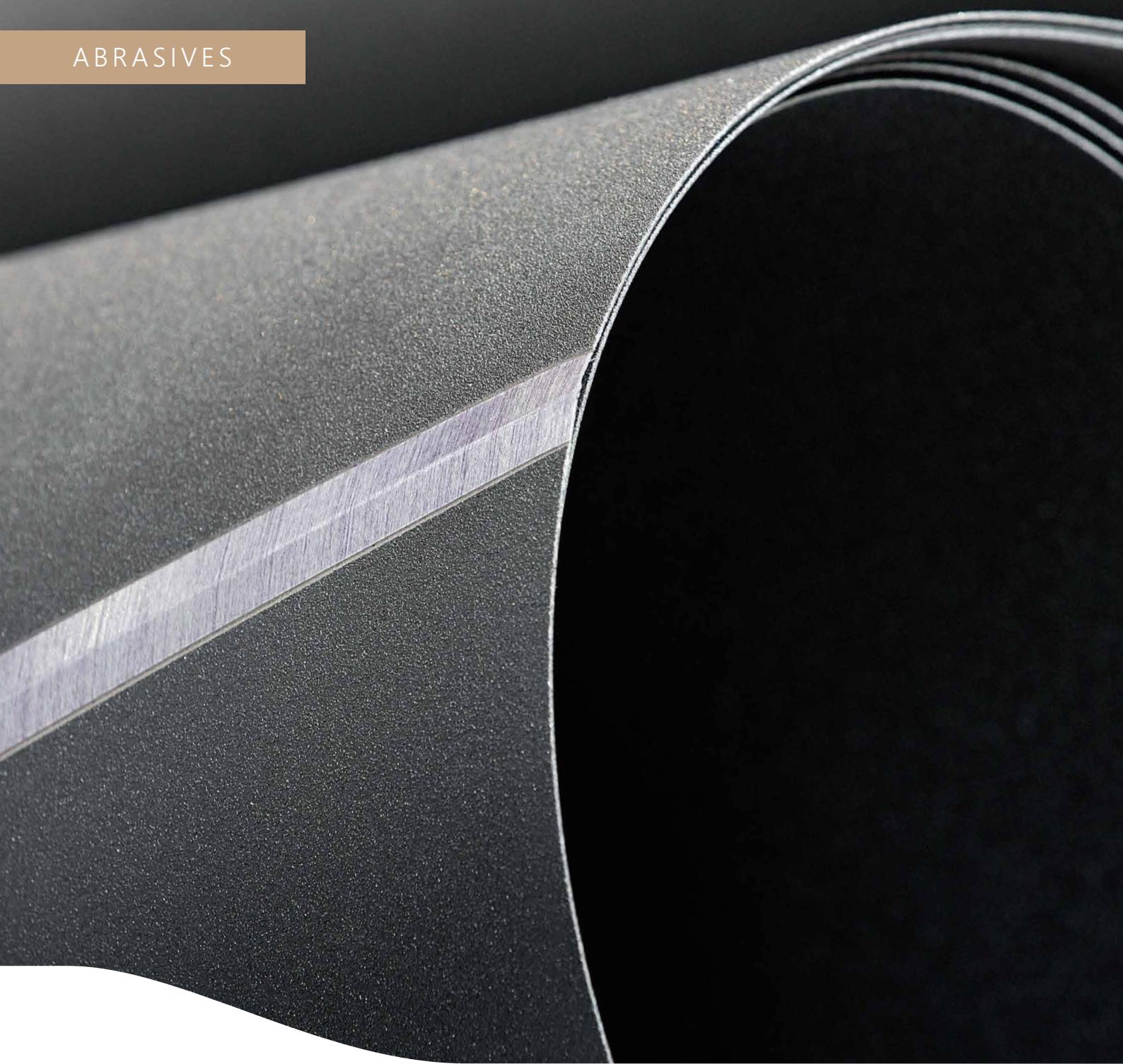


ABRASIVES



steinemann

Surface quality from start to finish.



Total Surface Quality is the goal of every solution we develop for our customers. Every single project imposes unique demands on the machines, abrasives, processing steps and services. These elements must harmonise perfectly to achieve perfect sanding results that live up to your, and our, high standards of «Total Surface Quality».



1.Q

PROCESSES



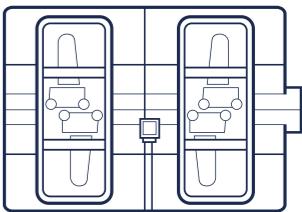
2.Q

SERVICES



3.Q

MACHINES



The configuration of a sanding process determines whether you reach your quality, performance and efficiency targets. To ensure it does, Steinemann offers not only sanding seminars, but also an innovative process control system called the BQC (Board Quality Cockpit). It provides the machine operator with relevant information on the ongoing processes that helps him produce panels of consistently high quality every time.

Steinemann's range of services is geared to maintaining the high performance and uptime availability of all machines currently in operation. We support our customers by offering customised, on-site maintenance and operator training classes, online remote servicing and numerous training videos. Our network of service technicians provides on-site service all over the world.

4.Q

ABRASIVES



The perfect interplay between abrasives and machines is a key factor in quality panel production. That's why we don't leave anything to chance and manufacture segmented belts ourselves. By doing so, we ensure both the machine and material are a perfect match for a given production process.

5.Q

PARTS



Even the best machine is not immune to wear over the long run. To prevent a worn part from causing extended downtime unnecessarily, Steinemann offers an exceptionally well-organised spare parts and repair service with short turnaround times and extensive warranty services.

ABRASIVES

The interplay between sanding machine, belt and platen is a critical success factor in the overall sanding process and, when all three work together perfectly, it leads to excellent results. Steinemann has developed its own range of abrasives and accessories, proven in practice and continuously perfected over many years, and is therefore able to provide customers with a complete sanding system.

WE RECOMMEND: **#** 90 %
STOCK REMOVAL
CALIBRATION UNIT



TSQ-
POLYESTER
COMBINATION

ABRASIVES

QUALITY

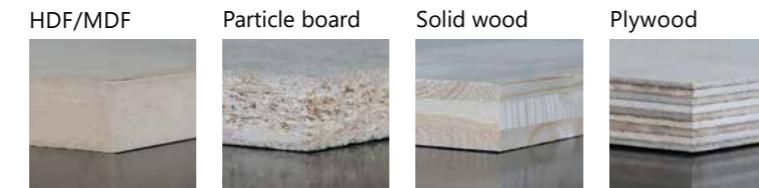
- > Open coating for calibration sanding creates chip space
- > Uniform grain structure for a scratch-free surface after fine sanding
- > Antistatic belt design

AVAILABILITY

- > Short delivery periods thanks to multiple assembly locations
- > Optimised joints
- > Products under constant development

PROFITABILITY

- > Not sensitive to grain shedding in the event of handling errors thanks to tight fabric structure and uniform coating
- > Perfect interplay with the machine results in optimal output quality



APPLICATIONS

SPRINT SYSTEM

This all-in-one system, meaning the permanently installed Sprint Platen in combination with the replaceable Sprint Insert, gives customers a dual advantage: The setup time as well as the changing time are substantially reduced. They can achieve even greater consistency and precision in their sanding process with this innovative concept from Steinemann.

HARD TSQ-
POLYESTER HARD SOFT SOFT **#** 10 %
STOCK REMOVAL
FINE SANDING



SPRINT SYSTEM

QUALITY

- > Excellent panel surfaces
- > Extremely low thickness tolerances
- > Dissipates static charges

AVAILABILITY

- > Short changeover times
- > Constant quality
- > Eliminates assembly errors

PROFITABILITY

- > Short setup time
- > Fast changing system
- > Insert is reusable



TYPES

TOOLS

Steinemann takes a proactive approach to implementing customer requirements. Additional tools help customers to accelerate and simplify the management of the sanding process. Our practical, proven tools, such as the belt introduction trolley, our training videos and the Steinemann App, all have one thing in common: They shorten machine downtime, facilitate the work of machine operators and therefore increase the efficiency of the sanding process.



BELT INTRODUCTION TROLLEY

- > Faster belt replacement
- > Simplified introduction
- > Prevents damage
- > Shorter machine downtimes
- > Requires fewer staff

CLEANING BELT

- > For cleaning of a clogged contact drum profile
- > Backing: Polyester
- > Abrasive grain: Silicon carbide
- > Tensile strength: 170 N/cm²
- > Width: 1950 – 3 300 mm
- > Length: 2 800 – 3 540 mm
- > Belt properties: Antistatic, strong backing

EXTENSION

- > Faster belt insertion
- > Simplified centring
- > Prevents damage
- > Protection of temperature sensors

INSTRUCTIONAL VIDEOS

- > <https://bit.ly/2Ovooe5>



STEINEMANN APP

- > Chatter mark causes
- > Chatter mark analysis
- > Deduction of corrective action recommendations



KNOW-HOW

Steinemann's know-how encompasses the entire sanding process and extends far beyond technical application, workmanship and manufacturing. Our customers benefit from coordinated services and sound process expertise, which we share with them in our training programs. At our headquarters in Switzerland, Steinemann has invested in a modern training centre as well as sophisticated systems for surface analysis.

PANEL ANALYSIS

Surface analysis
Quality assessment

BASIC¹ STANDARD² PREMIUM³

x x x
x x x

Measuring of the surface density
Recommendations for optimising the sanding process

x x

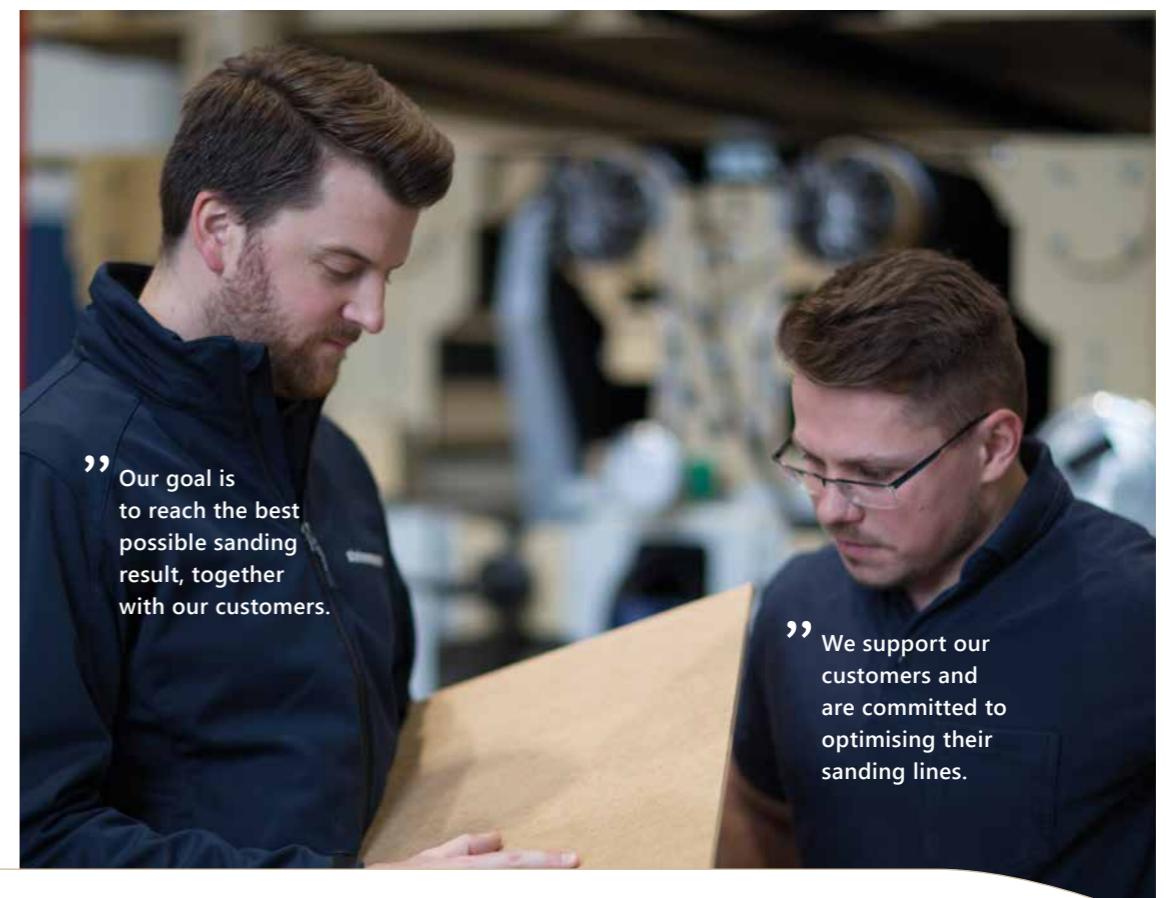
Analysis of the thickness and density distribution
Detailed recommendations for increasing panel quality
Information on raw panels
Influence of the quality of raw panels on the sanding process

x x x

¹ You send your sanded panels to us (with production data)

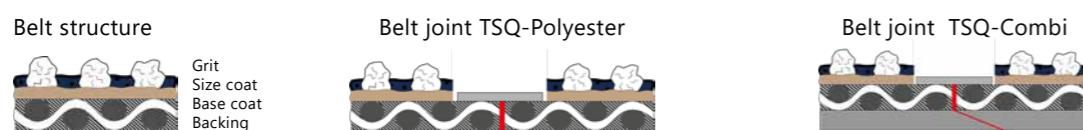
² You send your unsanded and sanded panels to us (with production data)

³ You send your unsanded panels or complete panels including sanding imprints to us (with production data)

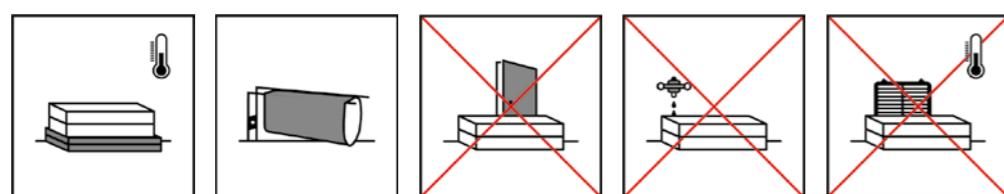


TECHNICAL DATA

SANDING BELT	TSQ-POLYESTER	TSQ-COMBI
Backing	Polyester	Paper/cloth combination
Abrasive grain		Silicon carbide
Width		1 600 – 3 400 mm
Length		2 620 – 4 000 mm
Tensile strength		min 120 N/cm ²
Belt properties		antistatic, strong backing, long service life
Applications		HDF/MDF, particle board, solid wood, plywood
Grit sizes	P036 – P220	P040 – P150



STORAGE CONDITIONS



- > Store in original packaging
- > Do not store on concrete or stone floors
- > Store on shelving or pallets if possible
- > Hang belts for storage if possible
- > Relative humidity 30 – 65 %
- > Temperature: 15 – 30° C
- > Do not store near passageways or building outlets, such as doors or gates
- > Avoid extreme temperatures and moisture
- > Do not store near heat sources
- > Stored under proper conditions, belts have a storage life of minimum 24 months

SPRINT SYSTEM	HARD (PES)	SOFT (FOAM)
Layer structure	Graphite PES – Polyester / Polypropylene ABS – Acrylonitrile butadiene styrene	Graphite FOAM – Polyurethane ABS – Acrylonitrile butadiene styrene
Width / Contact area	70 mm / 55 mm	
Machine width	1 300 – 3 430 mm	
Disposal	Steinemann inserts and belts contain no hazardous substances and can be disposed of in waste incineration facilities.	



Layer structure: Hard

- 1 Graphite
- 2 PES – Polyester / Polypropylene
- 3 ABS – Acrylonitrile butadiene styrene

Layer structure: Soft

- 4 Graphite
- 5 FOAM – Polyurethane
- 6 ABS – Acrylonitrile butadiene styrene

- 7 Static charge dissipated via conductive, graphite top layer, brass grommet and standard insert mount.

70 mm

Steinemann. Worldwide, facts and figures.



With the panel manufacturing industry becoming increasingly global, Steinemann is at home all over the world. Our dense network of branch offices and agencies enables us to provide rapid and reliable support for customers. We personally support every single project, until we have fulfilled all specific requirements on the machine, abrasives, process and services.

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