

Belts for the Wood Panel Board Industry



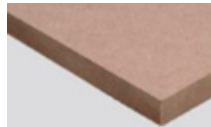


Understanding your business

Solid industry knowledge and experience

Within the Panel Board Industry, Ammeraal Beltech has been setting the standard for years with consistent high quality products and market specific features.

Modern high performance wood processing involves production of large volumes of particle board, MDF, HDF, OSB and plywood. Leading OEMs and end users choose Ammeraal Beltech belting solutions for reliable and safe processing.



Medium & High-Density Fiberboard (MDF and HDF)

Particle Board (PB)

Oriented Strand Board (OSB)



ATEX certified belts

- Materials in gas or dust form can become flammable or combustible even if they are normally not, which may create a potentially explosive environment.
- Equipment in these environments can only be used safely if complying with the ATEX Equipment Directive.
- Ask the Ammeraal Beltech experts for the current ATEX qualified belt range suitable to be used in most common potentially explosive zones.

Find out more at www.ammeraalbeltech.com



A trusted partner in the wood industry

Ammeraal Beltech partners with its customers, OEMs and End Users alike, to provide conveyor and process belting solutions that can improve product quality, reduce maintenance times and lower manufacturing costs.

Innovative solutions to meet customer challenges

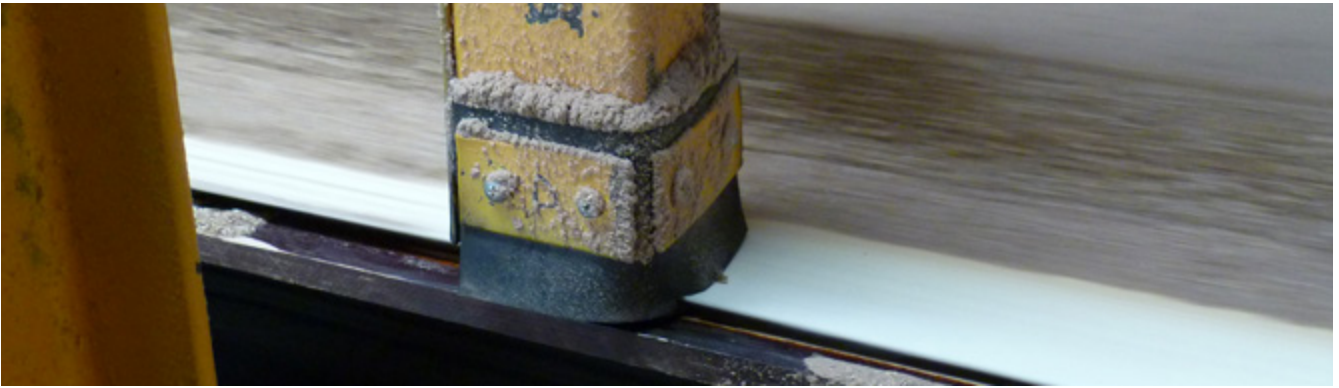
Industry challenges		Ammeraal Beltech Solutions
Prevention of antistatic loading	→	Antistatic belts
Potentially explosive environment	→	ATEX certified belts
Minimum downtime	→	QuickSplice and ZipLink® belts
Reliable operation	→	Seamless endless woven belts
Chemicals	→	Linatex PU coated belts
Wear resistance	→	Polyurethane belt covers
Abrasion resistance	→	RAPPLON® power transmission belts
High efficiency	→	uni Modular Belts

We offer a wide range of belting products. By choosing Ammeraal Beltech, you can not only reduce your supplier base, you will also have access to our worldwide network of industry and product specialists.

ONE STOP SHOP
belt

- local stock
- quick belt replacement
- short delivery time
- 24/7 service

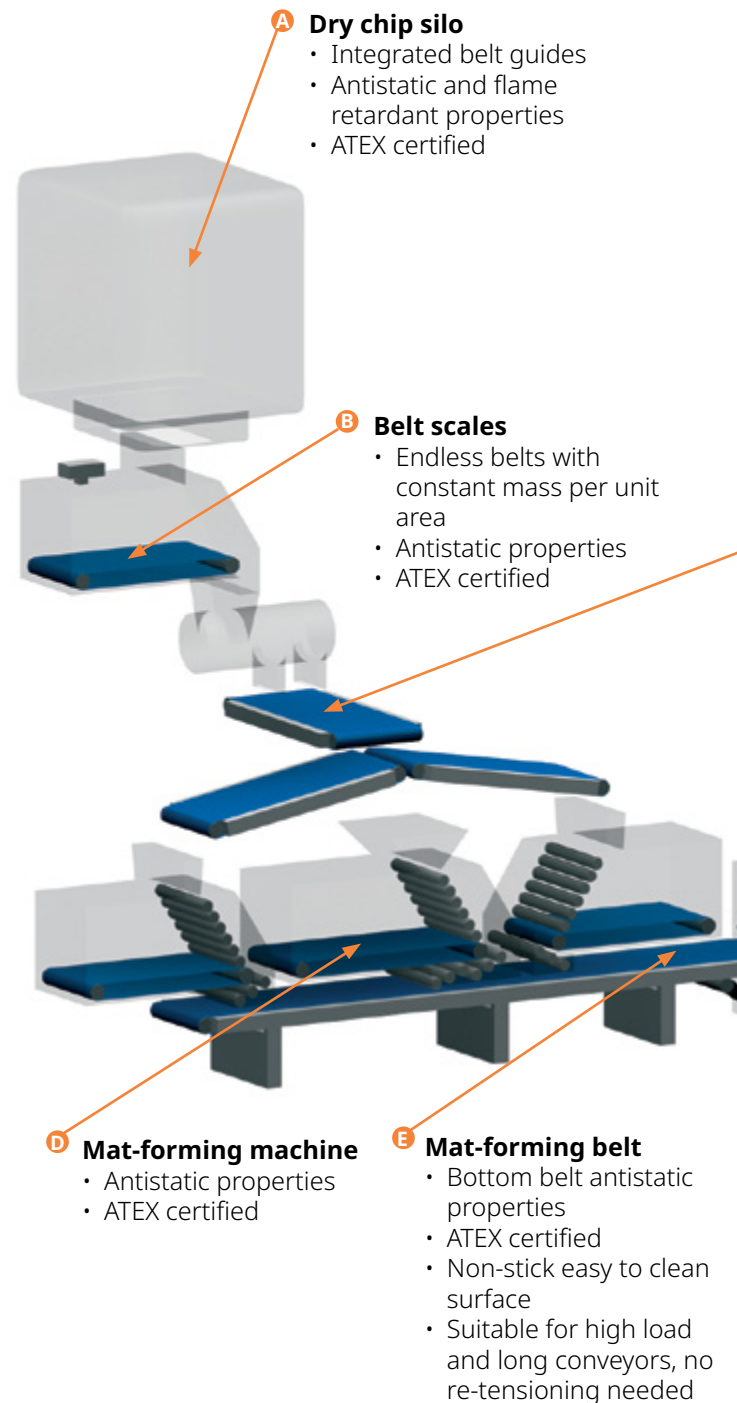


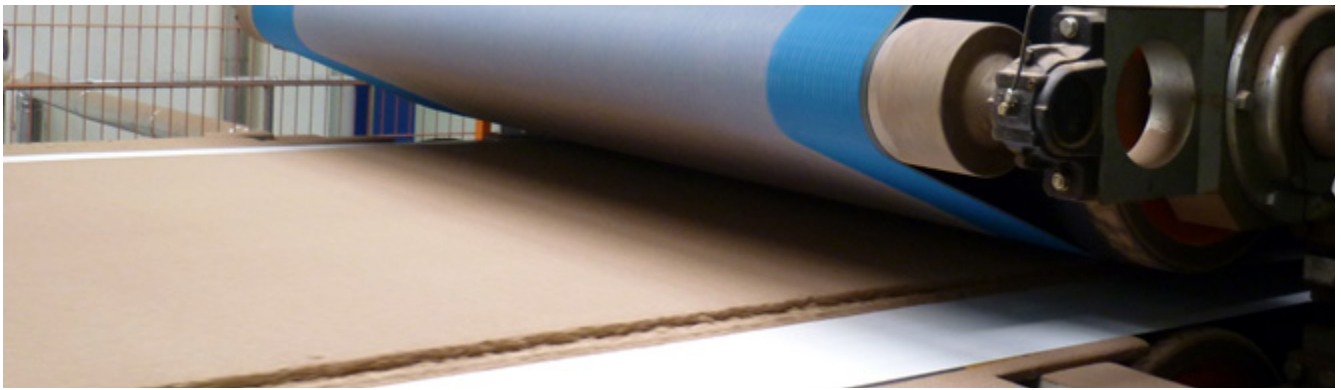


Chipboard Panel Production

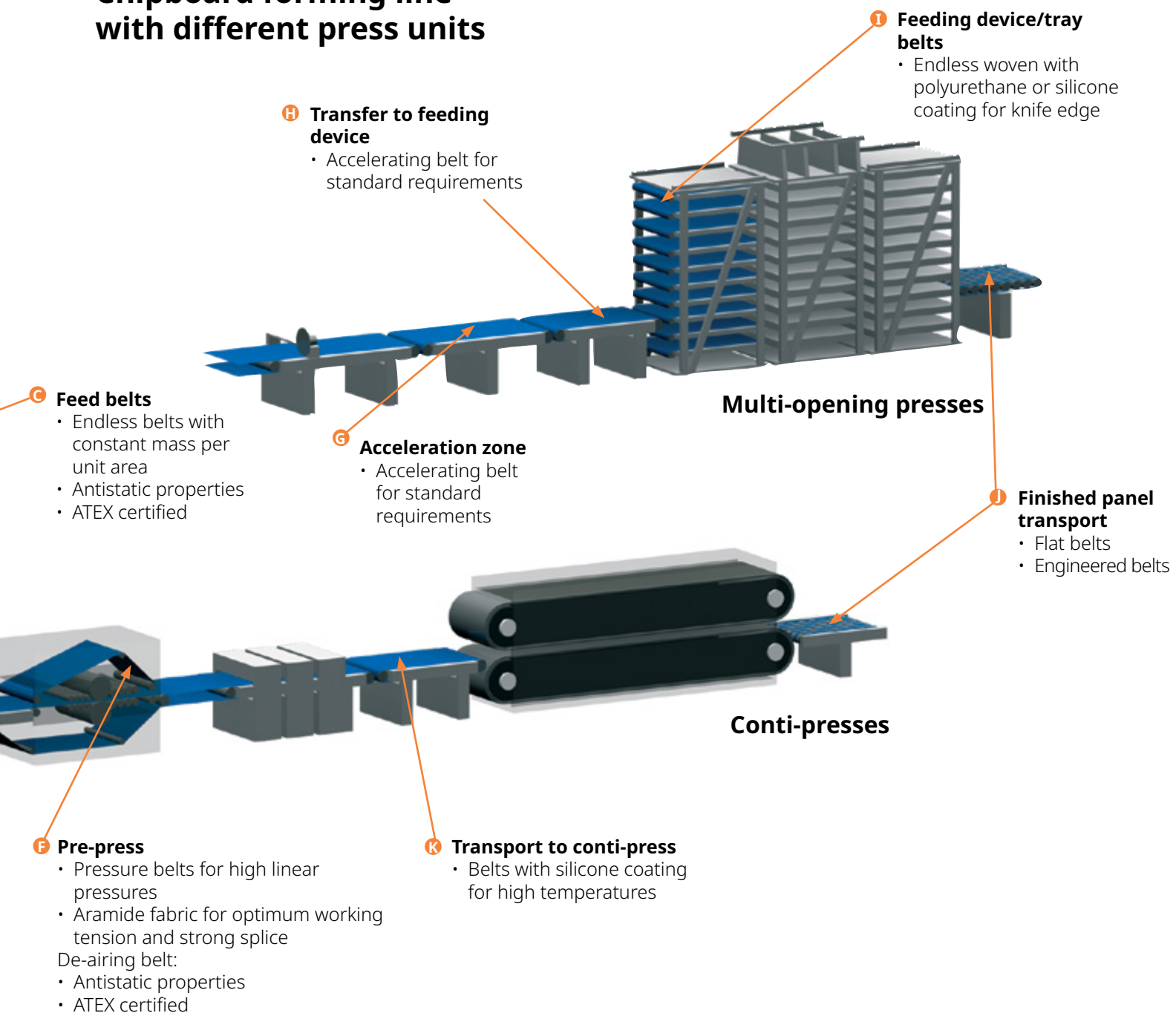
Ammeraal Beltech belting products reduce production losses.

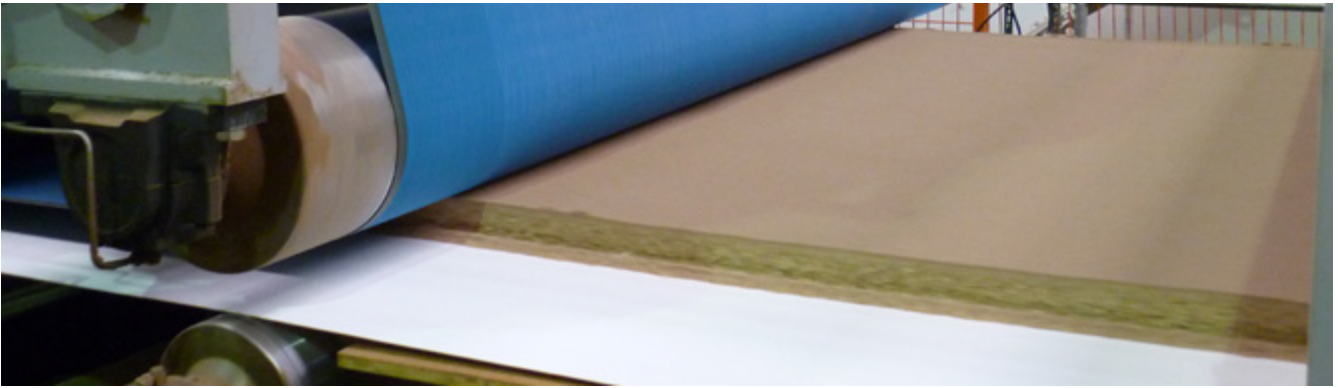
- › High durability, reliable and abrasion resistance belts keep maintenance and belt wear to a minimum.
- › Wear resistant cover materials give extremely good resistance against wood pulp, promoting extended belt life.
- › Our conveyor belts, endless woven belts and plastic uni Modular Belts have been specially developed to full specific production requirements.





Chipboard forming line with different press units





Ropanyl Forming Belts

Our Ropanyl forming belts are made of high quality fabric with a thin PU coating to provide reliable processing of wood fibres and chips.

Main features

- Longitudinally flexible; suitable for small diameter transfers (typically 25 mm at a 135 degrees turn)
- High force/elongation value; suitable for high loads and long conveyors, no re-tensioning needed
- Dimensionally stable; excellent tracking properties and lays perfectly flat
- Very good antistatic properties; no material accumulation due to build up of electronic charge
- Good abrasion and chemical resistance
- Excellent tracking properties; easy to clean
- Strong splice made with unique Maestro equipment

Benefits

- High performance
- Maintenance free
- Long belt life & ATEX approved

Applications

- Transfers & accelerating
- Board conveying & finishing
- Drying tunnel

Technical data

Belt type	Ropanyl EM 20/1 00+03 white M2 AS/93Sh
Article code	514213
Belt thickness	1.8 mm
Weight	2.0 kg/m ²
Force at 1% elongation	20 N/mm
Surface finish / hardness	fine matt finish / 93 Shore A
Min. pulley diameter flexing / back flexing	20 / 80 mm
Temperature range	-20 to +80°C
Max. standard / production width	3000 / 3250 mm

Also available with low weight tolerance:
514667 Ropanyl EM 20/1 00+03 white M2
AS FG/93Sh LWT

Ropanyl is a brandname of Ammeraal Beltech

AS = antistatic

The effectiveness of our forming, transfer, accelerator
and Pre-Press Belts for Particle Board Production
is proven in many factories worldwide





Ropanyl Pre-Press Belts

Ropanyl pre-press belts are made of aramide fabric with a highly qualified cover surface to provide maximum compressing and reliable distribution of compression.

Main features

- High force elongation value
- Good abrasion resistance and a homogeneous belt surface
- Excellent antistatic properties; no build-up of electronic charge
- Very good chemical resistance
- High pressure resistance; good distribution of compression
- Strong splice made with unique Maestro equipment

Benefits

- Excellent belt performance
- High production safety
- Maintenance free
- High quality production
- Long belt life
- ATEX approved

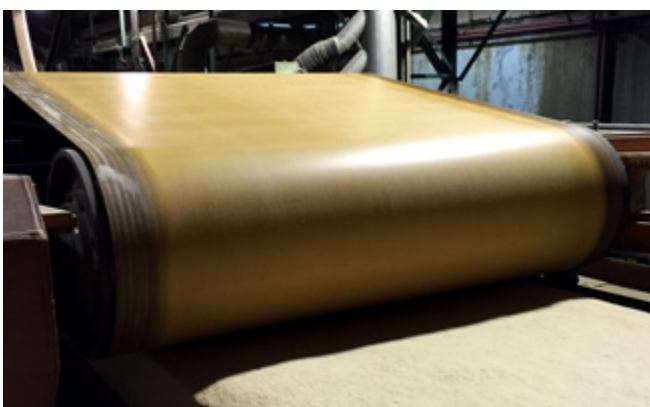
Technical data

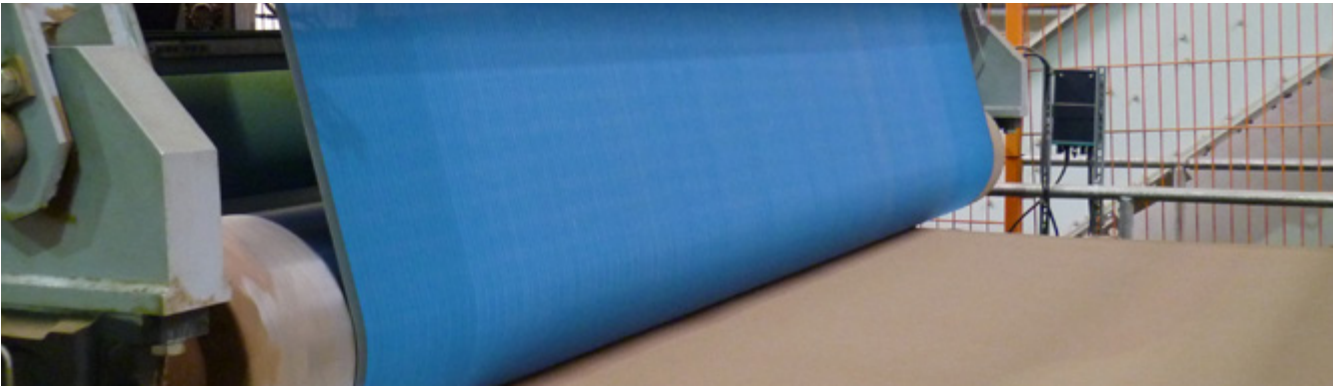
Belt type	Ropanyl EM/K 60/3 00+04 black M2 AS
Article code	514395
Belt thickness	3.8 mm
Weight	4.1 kg/m ²
Force at 1% elongation	60 N/mm
Surface finish / hardness	fine matt finish / 93 Shore A
Min. pulley diameter flexing / back flexing	250 / 300 mm
Temperature range	-20 to +90°C
Max. standard / production width	3000 / 3100 mm

Ropanyl is a brandname of Ammeraal Beltech

AS = antistatic

Available as
spliced or truly
endless version
for high forces





De-airing belt for Particle Board Production

Our de-airing belts are made of high quality polyester monofilament. Carefully selected bronze yarns woven in a maze structure assure the best electrostatic discharge and prevent particle build-up.

Main features

- Highly flexible
- Excellent tracking properties
- Balanced air- permeability
- Good abrasion and chemical resistance
- Easy to clean surface
- High pressure resistance; good distribution of compression
- Highly antistatic due to bronze maze

Benefits

- No particle build-up as result of electrostatic discharge
- High production safety
- High quality production
- ATEX approved

Applications

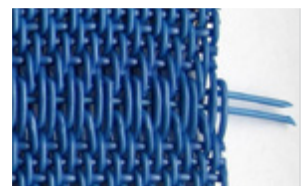
- Transfer and accelerating
- Board conveying
- Finishing
- Drying tunnel

Belts can be equipped with 4 different splices

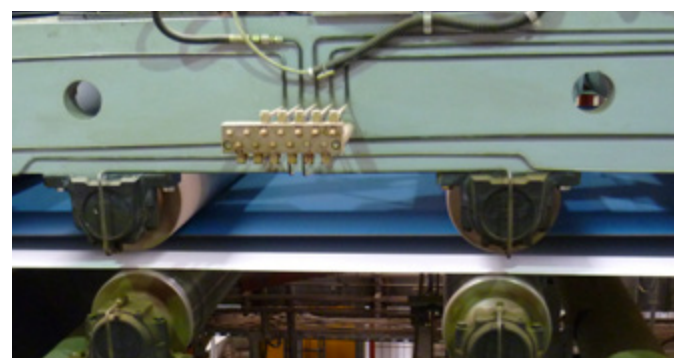
- Endless Woven
- Stainless steel fastener
- Plastic pin-seam
- Finger splice prepared

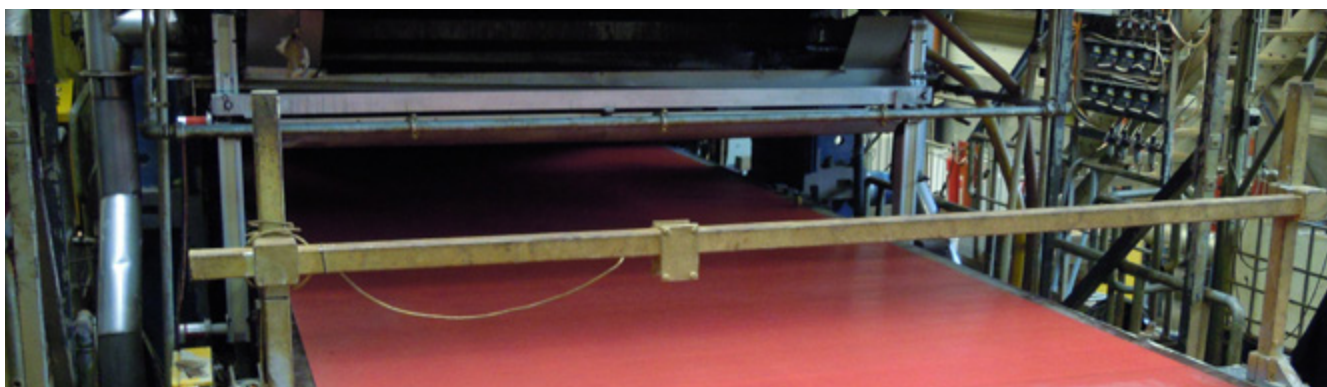
Technical data

Belt type	Conducto 2206	Conducto 5090
Article code	581951	581952
Belt thickness	1.95 mm	1.85 mm
Weight	1.55 kg/m ²	1.55 kg/m ²
Force at 1% elongation	14 N/mm	24 N/mm
Air permeability CFM 127 Pa	425 cfm	340 cfm
Min. pulley diameter flexing & back flexing	120 mm	120 mm
Temperature range	-40 to 110°C	-40 to 110°C
Max. standard / production width	3300 / 5000 mm	3300 / 5000 mm



Double pinseam





Infeed belt for Panel Board Production

Ammeraal Beltech infeed belts for conti-presses are based on the ZipLink® concept: the quickest splice method ever allows you to install a seamless belt without disassembling your machine, resulting in a major increase of your production time and cost savings.

Ammeraal Beltech infeed belts are made of high quality polyester mono-filament with a Silam silicone impregnation. The special design allows the belt to operate on small pulleys and knife edges.

Main features

- Longitudinally flexible; suitable for small diameter transfers and knife edges
- Dimensionally stable; excellent tracking properties and perfectly flat
- Low friction bottomside
- Resistant against high temperatures
- Seamless

Benefits

- Quick installation or repair; shortest production downtime
- Smooth, economical operation; less energy consumption
- ATEX approved

Applications

- Infeed belt for conti-press
- Transfer belt

Technical data

Belt type	Silam EZP 8/1 0+01 red HR
Article code	583060 / 583061
Tension layer	ZipLink® mesh for easy and quick belt change
Belt thickness	1.9 mm
Weight	1.75 kg/m ²
Force at 1% elongation	8 N/mm
Min. pulley diameter flexing / back flexing	6 / 10 mm
Temperature range	-40 to +180°C
Max. standard / production width	3100 / 4000 mm

Silam and ZipLink® are brandnames of Ammeraal Beltech



Easy to use insertion tool



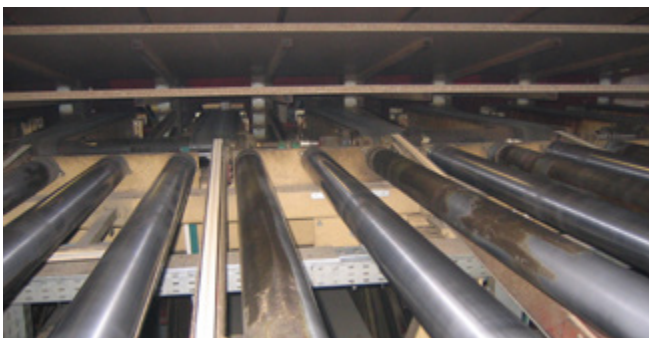
Complete toolbox available, including instruction CD



Dynasteam – the special infeed belt which can speed up your production process by 10-30%!

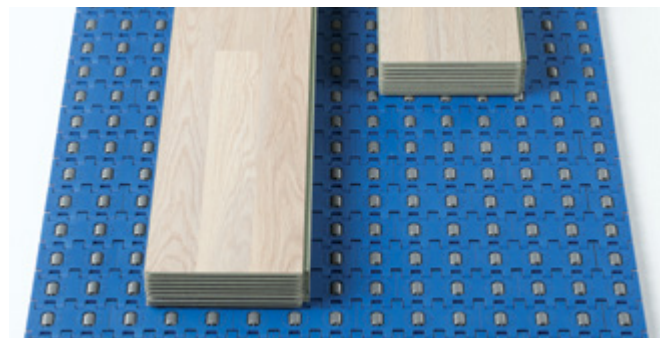


Specialised Belting Solutions



Specialised Belts, custom-made designs

- Positive drive, no belt slip.
- Thermoplastic and rubber covers in varying durometers and materials.
- Endless Woven pre-press belts. The truly endless construction eliminates the risk of splice failure. With antistatic properties to prevent static loading.
- UV resistant belts.



uni Modular Belts with integrated rollers

- Excellent positioning of furniture, flooring, or shelves.
- Positive drive prevents mistracking.
- Impact resistance combined with excellent wear resistance characteristics.
- High efficiency by eliminating jams, line stoppages, and product damage.



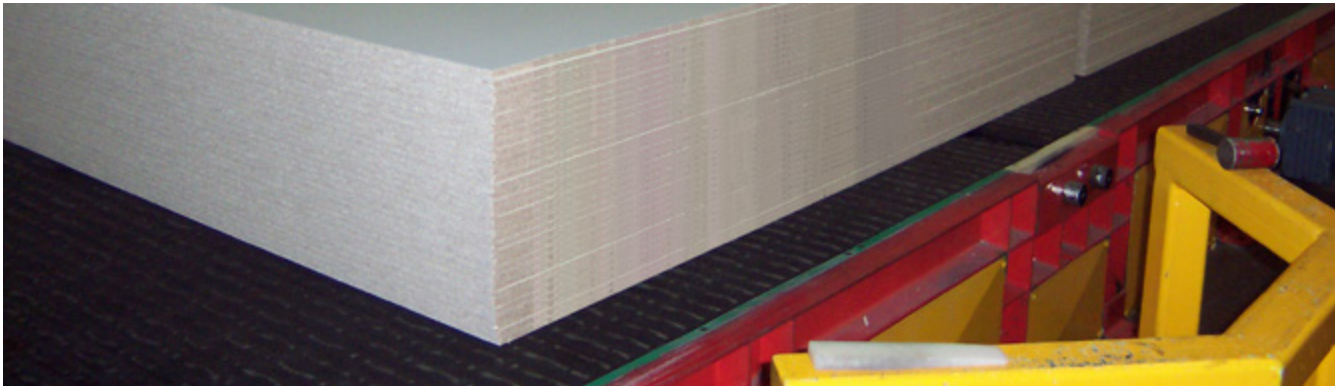
Engineered Belts

- Belts for modern production processes.
- Wide range of cover materials.
- Pin Joint for easy connection.



High Performance Flat Belts

- High performance roller drive belts.
- Quick splicing for less downtime.
- High performance drive belts.
- Belt calculation program.



Just-in-time delivery

At Ammeraal Beltech, we understand the importance of keeping your business running because we know just how costly and disruptive downtime can be.

A solid combination of geographical coverage, industry-segment knowledge and product management is the foundation of our innovative and service-oriented organisation.

Ammeraal Beltech has a Global Sales and Service Team and Partner Network ready to help round the clock!



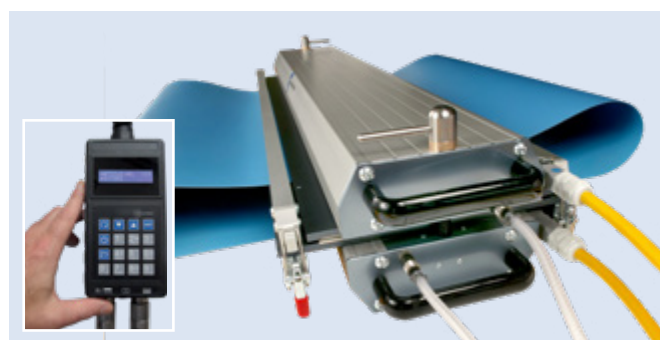
28 fully owned operating companies

and over 150 authorized distributors



Excellent products, service, advice and fabrication

- Ammeraal Beltech offers a wide range of belting solutions and accessories to help you improve processes to secure a seamless operation.
- Skilled personnel are on call to install or repair belts, using professional equipment that is suitable for wood production plants.
- Most orders can be dispatched directly from stock.



Quick, easy and precise belt splicing

With our expanded Maestro splice equipment range, Ammeraal Beltech has taken an important step forward in the critical areas of splice quality, speed, and precision.

Our new compact, hand-held, computerized splicing press control-box is the perfect complement to our Maestro press, and makes precise splicing as easy as 1-2-3.

Find out more at www.ammeraalbeltech.com

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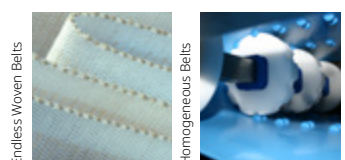
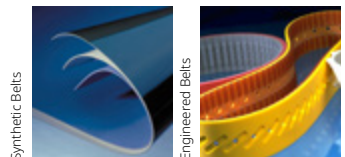
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**Expert advice, quality solutions
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for all your belting needs**



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