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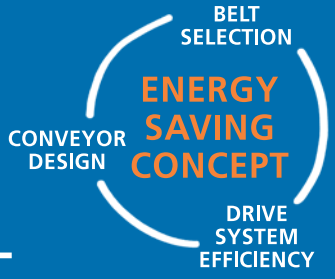
Ammeraal Beltech
Innovation & Service in Belting

Helping DRIVE Energy Efficiency

Ammeraal Beltech's Energy Saving Concept



Less power consumption – Lower operating costs

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www.ammeraalbeltech.com

Reliable and long lasting Energy Efficient Conveying Solutions

Ammeraal Beltech is a leading manufacturer of process and conveyor belting with a reputation for developing innovative solutions for belting applications.

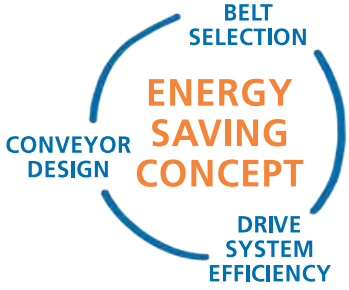
To ensure that belts run efficiently on conveyor systems, Ammeraal Beltech presents a series of belts that offer the potential of a considerable energy reduction. The belt selection is a very important factor in saving energy, but not the only one. Three main factors influence the power demands of a conveyor: motor efficiency, conveyor design and the belt selection. Ammeraal Beltech therefore developed its 'Energy Saving Concept'.

Factors for power consumption
Optimum energy savings are achieved by minimizing unnecessary operations and by limiting friction and resistance to forward motion in the system to the greatest possible extent.

In conveyor systems, the influence of **three basic factors** must be considered:

- conveyor design and component specification
- drive sizing and mechanical efficiency
- conveyor belt design properties and characteristics

System designs featuring the right belt, driven using an efficient drive design on a compatible conveyor frame, often achieve notable reductions in energy consumption compared to conveyors using traditional designs and component technology.



The Ammeraal Beltech Energy Saving Concept assists in finding the best energy reducing solution for your conveyor

Within the Energy Saving Concept, Ammeraal Beltech recommends the following Energy Saving Belts for Airport and Logistics Industry in order to achieve reduction of power consumption.

Technical data Energy Saving Belts		
Belt type	**Flexam EX 10/2 0+05 black M2 AS FR**	**Flexam EX 10/2 0+07 black M2 AS FR**
Article code	**574601**	**574711**
Indication of application	horizontal transport	horizontal transport
Belt thickness	2.5 mm	2.5 mm
Hardness	80 Shore A	95 Shore A
Weight	2.9 kg/m²	2.9 kg/m²
Surface finish	M2 Fine matte profile	M2 Fine matte profile
Execution bottomside	bare fabric	bare fabric
Coefficient of friction to steel	0.17	0.17

Less power consumption
Lower operating costs

CONVEYOR DESIGN	» Existing systems are often inefficient due to over design » Simplify the design to reduce friction caused by component parts » Pay close attention to the combination belt and belt support for lowest friction	**Lower power consumption; efficient operation**
AMMERAAL BELTECH BELT SELECTION	» Existing belts are often too heavy, they should be lightweight and flexible » Highly flexible low weight belts allow smaller pulleys	**Suitable for light conveyor design**
	» Low belt stretch; longer conveyor lines possible with longer conveyors and less drives » Always apply the correct belt tension	**Less energy consumption; low bearing resistance**
	» Very low friction fabric underside reduces surface resistance	**Reduced energy consumption**
	» Low decibel noise construction, level approx. 3 dB lower than conventional belting	**Assists in achieving standards for workplaces**
	» Proven track record at airport and logistics centres worldwide » Standard belt range exhibits low energy characteristics similar to that of specially developed energy saving belts	**Proven technology**
MOTOR DRIVE SYSTEM	» Accurate resizing » Select the right type and size of motor » Avoid unnecessary operation; install motion control devices	**Maximum efficiency gain**

Ammeraal Beltech helps its customers design more energy efficient conveying solutions.

Contact us to find out how we can help you achieve energy savings too.

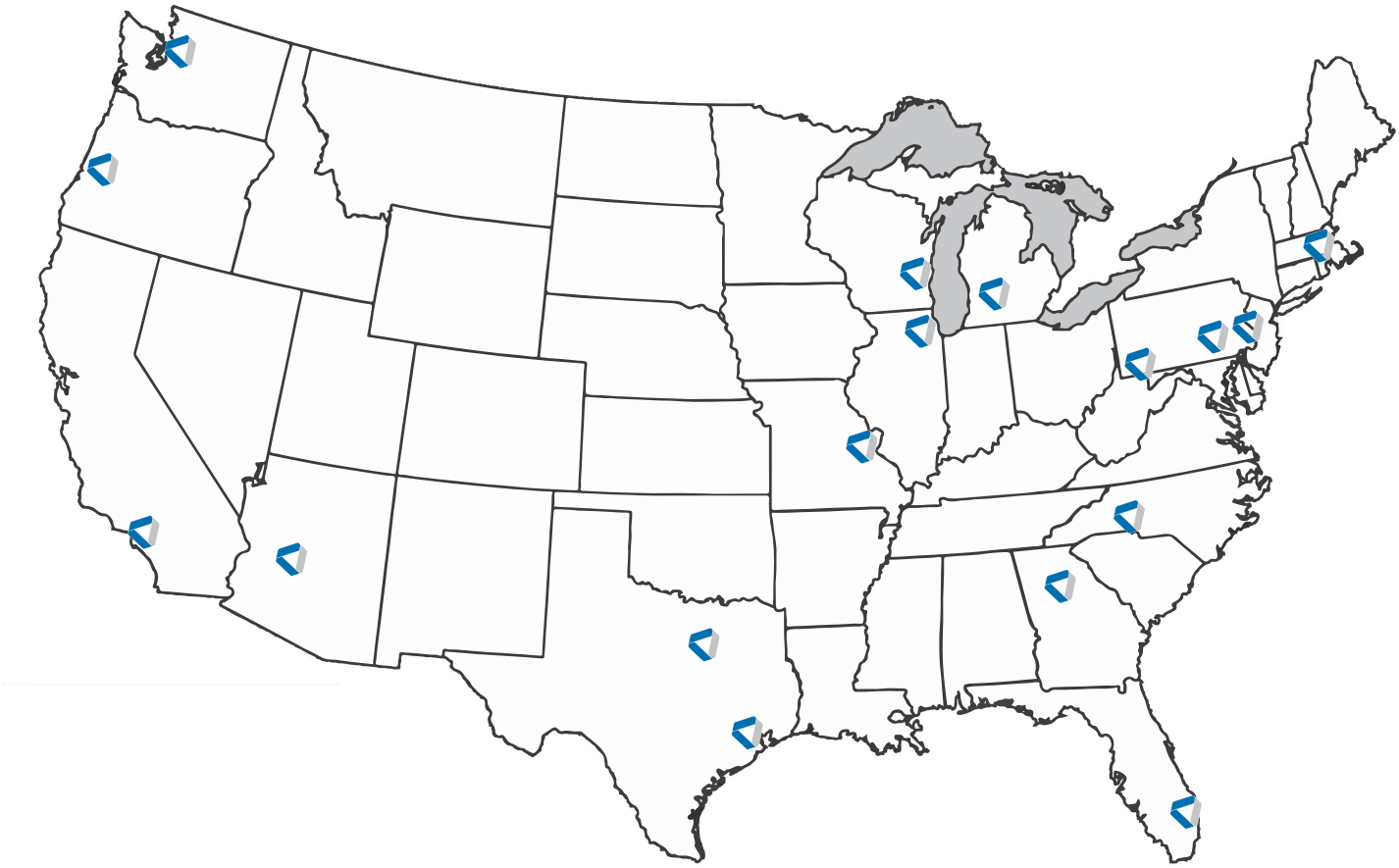
The belts can be identified by the Energy Saving logo

Energy Saving

Flexam EX 10/2 0+A32 black AS FR	**Flexam EX 10/2 0+A42 black AS FR**
578812	**572652**
inclined / declined	inclined / declined
2.8 mm	4.7 mm
40 Shore A	55 Shore A
2.9 kg/m²	4.5 kg/m²
A32 Fine rib profile	A42 Supergrip wave profile
bare fabric	bare fabric
0.17	0.17

AS = antistatic, FR = flame retardant

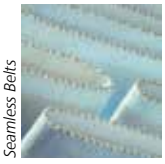
US Sales and Service Locations



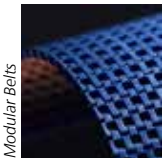
Expert advice, quality solutions
and local service
for all your belting needs


Conveyor Belts


Timing Belts


Seamless Belts


Transmission Belts


Modular Belts


Fabrication & Service

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