Ammeraal Beltech’s Energy Saving Concept
Less power consumption – Lower operating costs.

Energy saving concept
Helping DRIVE energy efficiency
Reliable and long lasting Energy Efficient Conveying Solutions

Factors for power consumption

Optimum energy savings are achieved by minimising 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

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.

### Technical Informations

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Nomenclature</th>
<th>Belt thickness [mm]</th>
<th>Hardness [shore A]</th>
<th>Weight [kg/m²]</th>
<th>Force at 1% elongation [N/mm]</th>
<th>Temperature [°C]</th>
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AS = Antistatic; FR = Flame retardant; IR = Impact resistant; M2 = Matt finish; AMD = AMMdurance
Less power consumption
Lower operating costs

**CONVEYOR DESIGN**
- Existing systems are often inefficient due to overdesign
- Simplify the design to reduce friction caused by component parts
- Pay close attention to the combination belt and belt support for lowest friction

**AMMERAAL BELTECH BELT SELECTION**
- Existing belts are often too heavy; they should be lightweight and flexible
- Highly flexible low weight belts allow smaller pulleys
- Low belt stretch; longer conveyor lines possible with longer conveyors and less drives
- Always apply the correct belt tension
- Very low friction fabric underside reduces surface resistance
- Low decibel noise construction, level approx. 3 dB lower than conventional belting
- 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

**MOTOR DRIVE SYSTEM**
- Accurate resizing
- Select the right type and size of motor
- Avoid unnecessary operation; install motion control devices

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.

In line with our Energy Saving Concept, try our specially designed AMMdurance belt with dry fabric treatment, optimized for even more protection. AMMdurance ensures a more efficient running condition for longer.

**Check out our new AMMdurance brochure!**

Sustainability only pays off if it can be sustained

- Easy on the environment
- Tough on wear and tear
- Boosting your bottom line
Local Contacts

... and 150 more service contact points at ammeraalbeltech.com

Argentina
T +54 11 4218 2906
info-ar@ammeraalbeltech.com

Australia
T +61 3 8780 6000
info-au@ammeraalbeltech.com

Austria
T +43 1 71728 133
info-de@ammeraalbeltech.com

Belgium
T +32 2 466 03 00
info-be@ammeraalbeltech.com

Canada
T +1 905 890 1311
info-ca@ammeraalbeltech.com

Chile
T +56 2 233 12900
info-cl@ammeraalbeltech.com

China
T +86 512 8287 2709
info-cn@ammeraalbeltech.com

Colombia
T +57 893 9890
info-co@ammeraalbeltech.com

Czech Republic
T +420 567 117 211
info-cz@ammeraalbeltech.com

Denmark
T +45 7572 3100
info-dk@ammeraalbeltech.com

Finland
T +358 207 911 400
info-fi@ammeraalbeltech.com

France
T +33 3 20 90 36 00
info-fr@ammeraalbeltech.com

Germany
T +49 4152 937-0
info-de@ammeraalbeltech.com

Hungary
T +36 30 311 6099
info-hu@ammeraalbeltech.com

India
T +91 44 265 34 244
info-in@ammeraalbeltech.com

Israel
T +972 4 6371485
info-il@ammeraalbeltech.com

Italy
T +39 051 660 60 06
info-it@ammeraalbeltech.com

Japan
T +81 52 433 7400
info-jp@ammeraalbeltech.com

Luxembourg
T +352 26 48 38 56
info-lu@ammeraalbeltech.com

Malaysia
T +60 3 806 188 49
info-my@ammeraalbeltech.com

Mexico
T +52 55 343 60 60
info-mx@ammeraalbeltech.com

Netherlands
T +31 72 57 51212
info-nl@ammeraalbeltech.com

Poland
T +48 32 44 77 179
info-pl@ammeraalbeltech.com

Portugal
T +351 22 947 94 40
info-pt@ammeraalbeltech.com

Singapore
T +65 6739767
info-sg@ammeraalbeltech.com

Slovakia
T +421 2 55648541-2
info-sk@ammeraalbeltech.com

South Korea
T +82 31 448 3613-7
info-kr@ammeraalbeltech.com

Spain
T +34 93 718 3054
info-es@ammeraalbeltech.com

Sweden
T +46 44 780 3010
info-se@ammeraalbeltech.com

Switzerland
T +41 55 2253 535
info-ch@ammeraalbeltech.com

Thailand
T +66 2 902 2604-13
info-th@ammeraalbeltech.com

Turkey
T +90 232 877 0700
info-tr@ammeraalbeltech.com

United Kingdom
T +44 1992 500550
info-uk@ammeraalbeltech.com

United States
T +1 847 673 6720
info-us@ammeraalbeltech.com

Vietnam
T +84 8 376 562 05
info-vn@ammeraalbeltech.com

General contact information:

Ammeraal Beltech
P.O. Box 38
1700 AA Heerhugowaard
The Netherlands
T +31 (0)72 575 1212
info@ammeraalbeltech.com

ammega.com