

AmPrint Printing Blankets

accuracy in textile printing



Belts for the Textile Industry

Ammeraal Beltech

- Knows your production process
- covers all your belting needs
- offers just-in-time delivery



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

In many industries and especially the textile industry, Ammeraal Beltech has the application knowledge and product range to be your perfect

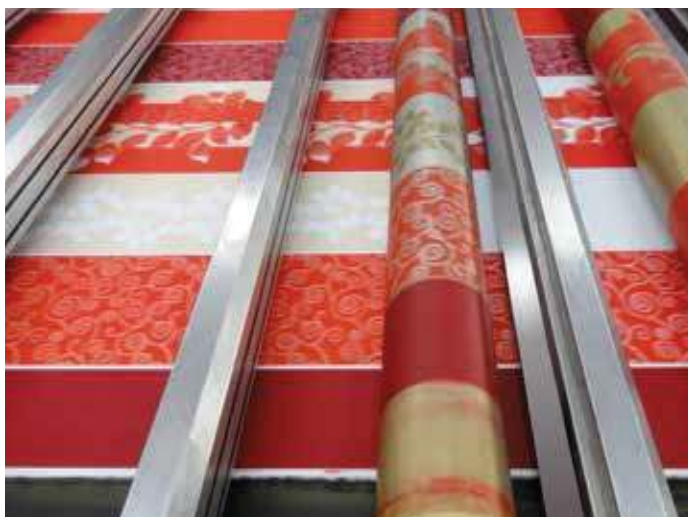
With a full-range of belting products Ammeraal Beltech is able to provide well considered solutions for all belting processes.

Typical applications:

- Flat Bed Screen Machines
- Rotary Machines
- Digital Printing Machines
- Table Printing Machines

Below you can find the application description matrix for the current 3 existent belt types.

AmPrint U 230 515075	Technical Information	<p>Two plies premium printing blanket belt with high resistance polyurethane construction to common used chemicals in the printing industry, glues and inks, wear resistance and good adhesion levels in between layers.</p> <ul style="list-style-type: none"> · Force at 1%: 25N/mm · Total thickness: 2,65 +/-0.05 · Maximum width available: 3200mmW
	Application site	<p>In difficult environment for PB like:</p> <ul style="list-style-type: none"> · Good precision demands, accuracy > 0.2mm · Mid-range thick fabrics printing, ex. Cotton, polyester, blends · 1 & 2 servo motor machines
	Preferred applications	<p>Flat-bed Screen Machines:</p> <ul style="list-style-type: none"> · Printing table up to 25mL, any type of fabrics and printing stations · Printing table longer than 25mL, thick textiles printing (>150 GSM) (ex. Upholstery, terry towels, velvet, blankets, etc.) · Machines with clamp propulsion system, any printing table length. <p>Rotary Screen Machines:</p> <ul style="list-style-type: none"> · Magnet machines up to 12 colours · Cylinder Squeegee up to 15 colours <p>Digital Inkjet Machines:</p> <ul style="list-style-type: none"> · Normal speed machines
	Difficult environment for U 230	<ul style="list-style-type: none"> · High precision demands, accuracy < 0.2mm · Thin printing fabrics <150 GSM (approx.) combined with Printing table longer than 25 mL
	Industries application examples	<ul style="list-style-type: none"> · Carpet printing applications · Wood/Corrugated printing applications · Textile printing industry for mid-range thick printing fabrics · Sample and coupon printing
	OEMS, examples	<ul style="list-style-type: none"> · REGGIANI, rotary printing such as Unica · BUSER, clamp propulsion system · KEYCHENG, etc.



AmPrint U 210 579149	Technical Information	<p>Two plies polyurethane printing blanket belt, resistant to basic chemicals glues and inks, wear resistance and good adhesion levels in between layers.</p> <ul style="list-style-type: none"> · Force at 1%: 12N/mm · Total thickness: 2,30 +/-0.05 · Maximum width available: 3000mmW
	Application site	<ul style="list-style-type: none"> · Good precision demands, accuracy > 0.5mm · Mid-range thick fabrics printing, ex. Cotton, polyester, blends
	Preferred applications	<p>Flat-bed Screen Machines:</p> <ul style="list-style-type: none"> · Printing table up to 22mL, any type of fabrics and printing stations · Machines with clamp propulsion system, any printing table length. <p>Rotary Screen Machines:</p> <ul style="list-style-type: none"> · Magnet machines up to 12 colours · Cylinder Squeegee up to 15 colours <p>Digital Inkjet machines:</p> <ul style="list-style-type: none"> · Digital sampling and coupon inkjet machines
	Difficult environment for U 210	<ul style="list-style-type: none"> · High precision demands, accuracy < 0.5mm · Thin printing fabrics <150 GSM (approx.) · Printing table up to 22 mL or Rotary screen machines up to 12/15 colours (magnet/squeegee) · High-speed lines (>50 m/min)
AmPrint U 120 515126	Technical Information	<p>One ply polyurethane premium printing blanket belt, resistant to basic chemicals glues and inks, and wear resistance top cover</p> <ul style="list-style-type: none"> · Force at 1%: 20N/mm · Total thickness: 2,05 +/-0.05 · Maximum width: 3200mmW
	Application site	<p>In non-critical environment with lower precision demands from the customer like:</p> <ul style="list-style-type: none"> · Good precision demands, accuracy > 0,5 mm · Mid-range thick fabrics printing, ex. Cotton, polyester, blends · 1 servo motor machines
	Preferred applications	<p>Flat-bed Screen Machines:</p> <ul style="list-style-type: none"> · Flat-bed twin-drive machines, printing table up to 20m · Flat-bed single drive machines, printing table up to 18 m <p>Rotary Screen Machines:</p> <ul style="list-style-type: none"> · Rotary machines with magnet system, up to 10 colours <p>Digital Inkjet machines:</p> <ul style="list-style-type: none"> · Sampling and coupon machines
	Difficult environment for U120	<ul style="list-style-type: none"> · Critical precision demands, accuracy < 0,5 mm · Thin printing fabrics <150 GSM (approx)

AmPrint U360 (Launch: End of 2017)	Application site	<ul style="list-style-type: none"> · High precision demands, accuracy <0.2mm · Some high speed long lines
	Preferred applications	<p>Flat-bed Screen Machines: Printing table longer than 25mL combined with thin fabrics (30-150 GSM) that require high accuracy.</p> <p>Rotary Screen Machines:</p> <ul style="list-style-type: none"> · Magnet machines up to 12 colours · Cylinder and blade Squeegee up to 15 colours <p>Digital Inkjet machines:</p> <ul style="list-style-type: none"> · High speed machines
	Industries application examples	<ul style="list-style-type: none"> · Ceramic Tiles · New generation Digital printing machines (high speed) · Thin fabric textile printing

Innovation & Service in Belting

- High printing precision:
 - Tight thickness tolerances in length and width, as well as in the splice area, tight control of the neutral line for a higher printing accuracy
 - Balanced construction to cover the application needs
 - Extended control of belt uniformity
 - Smooth surface finish for a perfect printing result
 - High lateral stability to avoid curling edges
- Extended lifetime, easy maintenance:
 - Outstanding chemical resistance to allow use of common solvents and prevent top surface damage
 - Special construction design to avoid fabric fraying
 - Wear-resistant top surface
 - Low elongation rates
- Cost saving:
 - Minimize downtime by splicing the belt on-site
 - Optimized belt weight vs elastic behavior for a good printing
 - Water saving thanks to special top cover finish which improves water release



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