



Our high strength steel belts are an essential component in Rotocure presses used for vulcanizing, curing and laminating applications. We also offer a range of steel belt-based solutions for rubber and additives processing.

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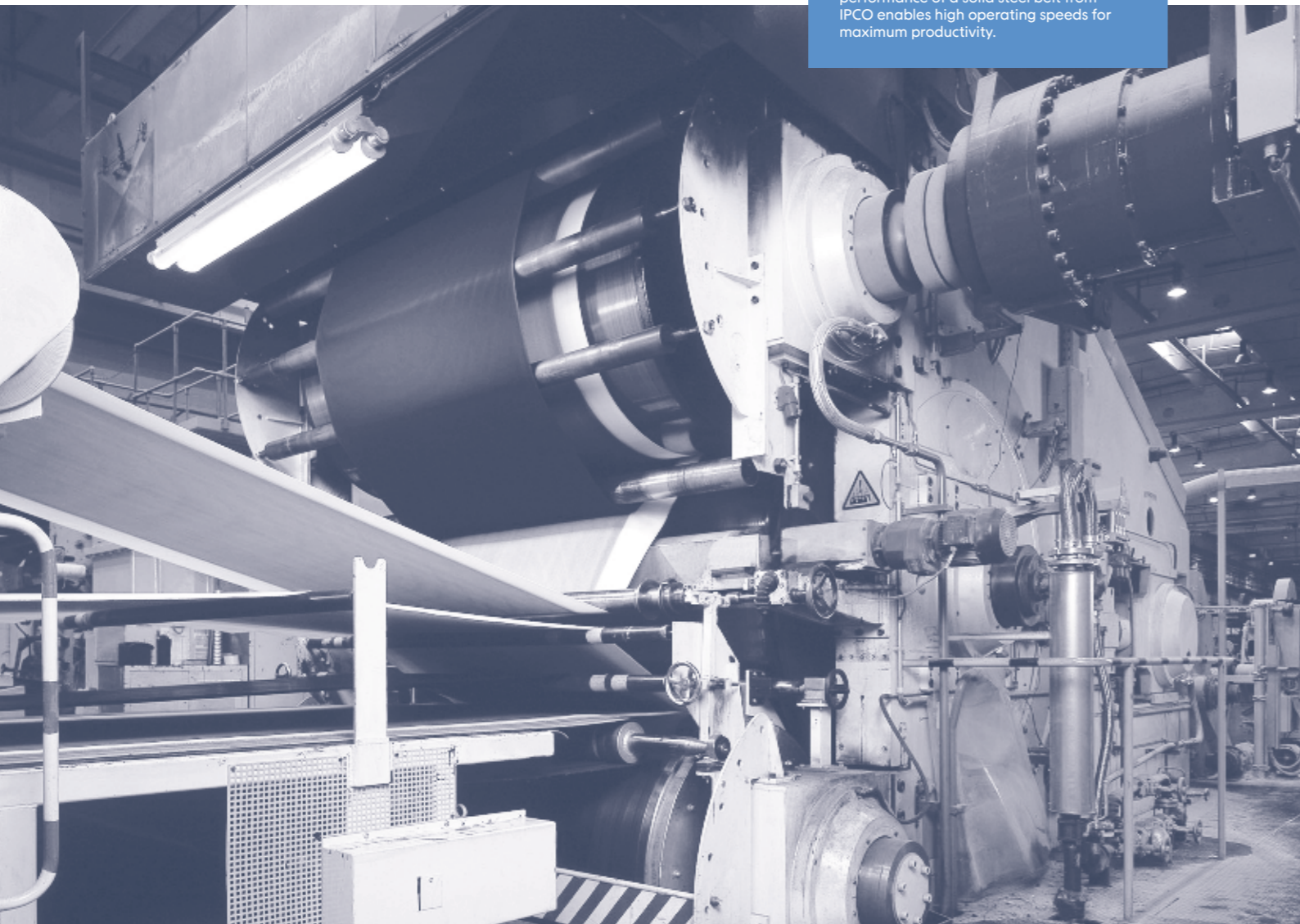
—STEEL—BELTS— —FOR— —ROTOCURE— —VULCANIZING— —PRESSES—



STEEL PRESS BELTS FOR HIGH SPEED VULCANIZING

The Rotocure pressing operation places unique stresses on a belt. From the multi-directional path with 180° reversals to the high temperatures and pressures, the entire system relies on a belt with strength, stability and resistance to fatigue.

The consistently high quality and thermal performance of a solid steel belt from IPCO enables high operating speeds for maximum productivity.



Maximize your Rotocure press performance with an IPCO Rotocure belt

From the earliest days of vulcanizing technology, the levels of reliability and performance delivered by IPCO steel belts have made them the first choice of OEMs and end users alike.

Today, our steel belts are an essential component in the vulcanizing/curing of rubber sheet, conveyor belts, floor panels, printing boards, boat material and other rubber products. They are also used in Rotocure presses for laminating thin particle boards with decorative film, and for other board applications.

These include higher operating speeds, lower downtime and a longer working life, all of which add up to increased productivity. And the quality of IPCO press belts means they are specified by name.

As the quality of the belt is reflected, quite literally, in the quality of end product, surface finish is critical and we can deliver to any specification, down to 0.1 µm. And our advanced engineering facilities in Sweden mean we can ensure even belt thickness – and therefore heat transfer – for optimum binding performance.

Precision engineered for high speeds and optimum performance.

High productivity, high quality

While rubber-covered wire mesh belts are still used for certain applications (e.g. ultra-thin products), solid steel belts offer a range of advantages for materials with a thickness ≥ 2 mm and on systems where heat is delivered from both sides, i.e. a heated drum in combination with radiated heat delivered by the steel belt.

Open or endless belts to any specification

Our experience in supplying original and replacement steel belts for continuous rotating vulcanizing presses means we have the know-how and technology to produce belts to virtually any specification, and can supply them either 'open', coiled for on-site welding, or in pre-welded and ground 'endless' form.

Specification

Belt grade	IPCO 1650SM high strength stainless steel	
Thickness	0.8 – 2.0 mm	
Length	endless	6.9 – 30 m
	open	unlimited in practical terms
Width	endless	up to 3 200 mm
	open	up to 4 600 mm ground / 8 600 mm un-ground

- Outstanding evenness of surface/thickness
- Excellent thermal performance
- Unparalleled durability
- High reliability for low downtime
- Up to 2x speed of mesh belt presses
- High productivity for attractive ROI



Steel belt solutions for rubber and additives processing

As well as partnering with some of the world's leading specialist OEMs, we also supply market-leading process solutions of our own, designing, manufacturing and commissioning systems for customers throughout the world.

Single/double belt cooling

We offer a range of cooling systems based on the steel belt. Our single belt systems can be used for cooling rubber sheet, and our double belt coolers can offer increased capacity/productivity.

Rotoform® pastillation

The Rotoform system is an efficient and environmentally-friendly pastillation system, used for solidifying chemical products directly from the melt. Stabilizers and rubber additives are among the many products granulated on this system.

Bonding

We produce double belt presses for many applications, including the heating, bonding and cooling required for the lamination of different materials.

Supercooling process

Some melts – including certain rubber chemicals – remain liquid even when cooled below their melting point, making them difficult to handle. Our supercooling process overcomes this challenge.

Conveying

The hard, durable and smooth surface of the steel belt makes it the ideal conveying medium for all types of products. We can provide complete solutions including drums, tensioning systems, framework and tracking devices.



The combination of the steel belt's smooth, hard surface, unparalleled durability and excellent thermal properties makes it ideally suited to a range of other applications across the rubber manufacturing and processing industries.

Service support for improved yield

As an IPCO customer, you gain access to a service network that combines the strength and stability of a global operation with flexibility and know-how of local teams.

Rapid response

Our engineers, technicians and service teams are all IPCO people, focused 100% on our steel belts and systems. They have the skills and tools to carry out planned servicing and preventive maintenance. And they can provide an immediate response in the event of emergencies, keeping costly downtime down to the absolute minimum.

Supporting your teams

We can also support you by helping your own people build their knowledge and skills. We can stage training seminars at your premises or ours, covering subjects such as best practice, operator safety, and maintenance/repair techniques. And we have developed a range of tools designed for quick and efficient repairs:

- Worldwide service and support
- Fully trained and equipped engineers
- Local service teams for minimum downtime
- Rapid emergency response
- Operator/technician training
- QuickTool range for in-house use