

# Parts Management

Often the value of having genuine spare parts and consumables available when needed is underestimated.

To avoid the tiniest spare part ends up being the most expensive one and to have a high level of service and maintenance with an efficient production, we advise you to stock a recommended spare part package covering critical parts for your equipment.

- Critical spare parts – without being able to replace these your production stands still
- Recommended spare parts – without being able to replace these parts of your production stands still or output or speed is reduced
- Audit of your spare parts – we perform an audit of your spares, investigate any long lead times and offer our advice in case of obsolescent parts
- Supply agreements based on your individual needs secure that genuine spare parts and consumables arrive to your doorstep in time.

When you use TRESU genuine spare parts, you can be sure to get the right part at the right time. TRESU genuine spare parts keep your equipment running at peak performance throughout its lifetime. Our high-quality, durable parts put productivity first and extend your equipment's lifecycle, lowering your total ownership costs.

# Built on Quality - with Care for the Environment

## ISO9001:2015

We know that availability of our products means the world to our customers - it always has.

We understand that our offerings are critical in terms of the availability of your machines. Supplying proven printing technology is our business. Each and every day. Of course, we are ISO 9001 certified.

To us quality is not just a key to market access – it goes far beyond that.



## ISO14001:2015

When you select TRESU as your responsible supplier, you can rest assured, that we have carefully selected ours.

Right from the sub-supplies, to shipping and to unboxing the delivered parts, a sustainable footprint is our major concern.

We strive to continuously drive down energy consumption and waste and increase the use of biodegradable products when possible.

Our aim is to push this agenda even further and choosing TRESU spare- and wear parts will put you on the road to a more sustainable production.

# TRESU webshop

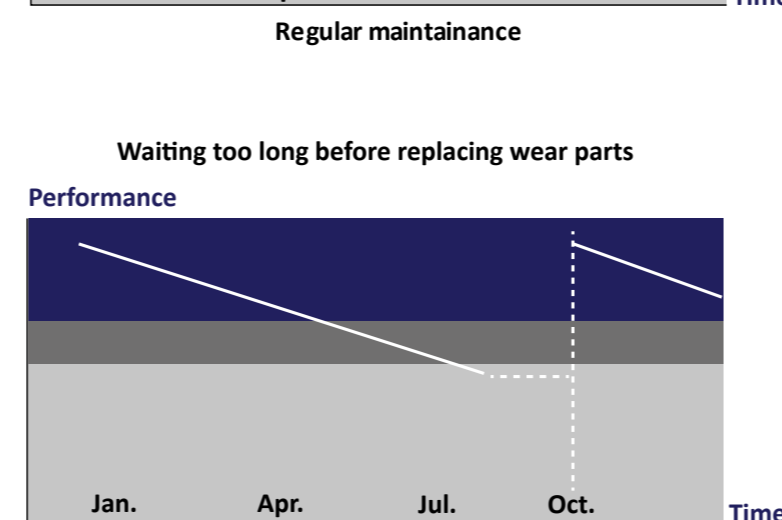
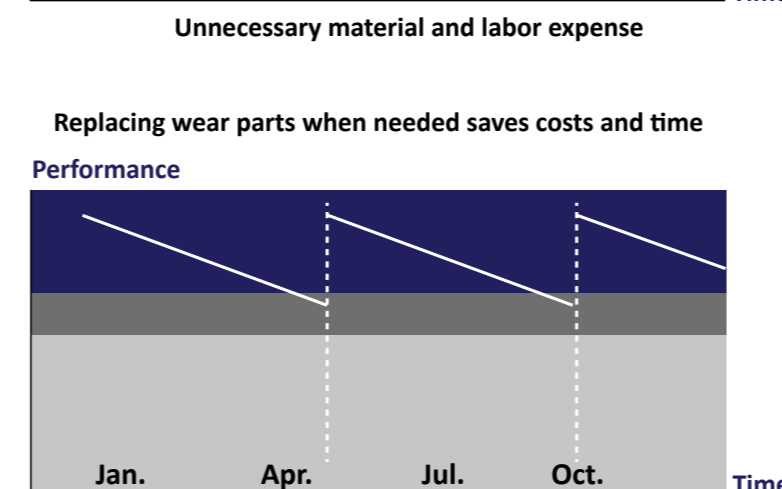
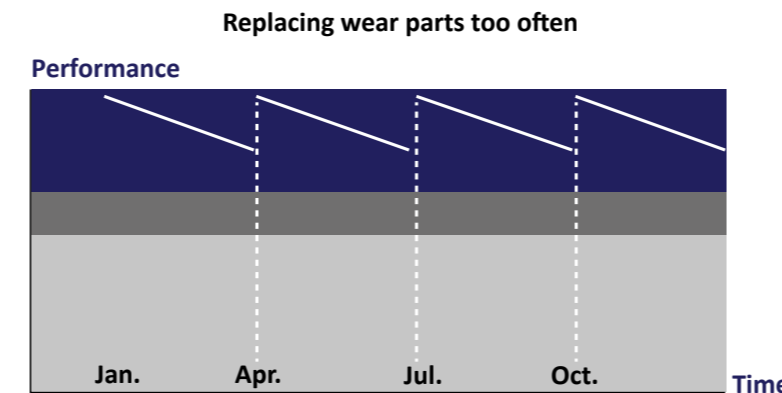
We have put together a special selection of frequently purchased genuine spare parts and consumables in order to extend the performance of your TRESU equipment: <https://www.tresu.com/webshop>



Direct, fast, secure, and convenient on-line portal for ordering genuine spareparts & consumables:

- Save time and money
- Order around the clock – daily shipping
- Worldwide delivery
- Genuine spare parts & consumables

Shop genuine spare parts - by press, part or item number!



Shutdown and lost production

Replacing wear parts when needed will save you from unnecessary downtime and service based on costly and time-consuming assumptions. TRESU can help you optimize your spare- and wear part supply situation.

# Extending performance with genuine parts

In order to keep your printing equipment and your business running be sure to perform maintenance and replace wear parts when needed – and to choose the right supplier with the right products, spare parts and experience.

If you choose products, that are not designed and optimized for the purpose, you risk unexpected interruptions with increased downtime. This can jeopardize the performance of your equipment - and the result of your business.

Stay ahead and benefit from TRESU's 40 years of experience, patents and innovative cooperation with leading players in the industry. If you have chosen TRESU chamber doctor blade systems, why would you buy spare parts in any other quality than the genuine from TRESU?

**Replacing wear parts - when needed**  
MTBF or MTBM? If you think finding the optimal Mean Time Between Failure (MTBF) - or Mean Time Between Maintenance (MTBM) - sounds complex, then we can help you optimize your spare part supply situation.

**Safety**  
Genuine TRESU end seals are designed from the right compounds and with the right geometry in order to safeguard your print job on the long run.

**Performance**  
Your TRESU doctor blades are backed and supported. Non-genuine aftermarket wear parts are often sold to be used in a variety of different chambers - and can result in the need for parts replacement or repairs.

**Durability**  
The right recipe of your cleaning detergents will extend the performance of your equipment and reduce your cost of printing by reducing waste and downtime.

**Order on-line 24/7**  
Genuine TRESU parts are available online 24/7 - shop by press, part, category or part number – we ship to all destinations.



TRESU is a highly specialized company offering flexoprinting machines and ancillary products and concepts for flexo, digital and offset printing as well as customer service and technical support.

TRESU has 40 years of experience and expertise in the development, production and maintenance of engineered solutions and supplies directly to end-customers, OEMs and partners worldwide.

TRESU has production facilities in Denmark and sales companies in USA, Germany, Italy, Japan and China as well as an international agency network providing local support and know-how.

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Proven long-term performance with TRESU Customer Care

# Extending Performance



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# TRESU

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[www.tresu.com](https://www.tresu.com)

# TRESU

<b>CRITICAL SPARE PARTS:</b> Avoid production standstill if you carry no stock.	<b>RECOMMENDED SPARE PARTS:</b> Avoid production stand still or reduced speed & volume.	<b>SPARE PART AUDIT:</b> We audit your parts, plan for long lead times and obsolescent parts.	<b>SUPPLY AGREEMENT:</b> Based on your needs we deliver all parts in time.
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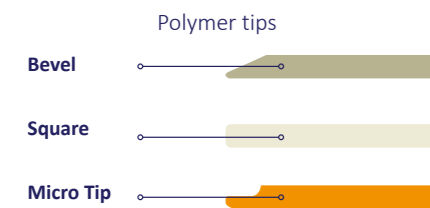
# TRESU Doctor Blades Selection Platform



Series	TRESU Polymer Blades			TRESU Carbon Steel Blades			TRESU Stainless Steel Blades			TRESU Alloyed Tool Steel
Product	PolyBlade	TRUPOINT Edge	TRUPOINT Orange	EcoBlade	DuraBlade	EndureBlade	InoxBlade	DuralnoxBlade	EndureInoxBlade	EndurexBlade
Doctoring quality	●●●●○○○○	●●●●●●○○	●●●●●●○○	●●○○○○○○○	●●●●○○○○○	●●●●○○○○○	●●○○○○○○○	●●●●○○○○○	●●●●●●○○	●●●●●●
Corrosion resistance	●●●●●●●●	●●●●●●●●	●●●●●●●●	●○○○○○○○○○	●●○○○○○○○	●●○○○○○○○	●●●●●●○○○	●●●●●●○○○	●●●●●●○○○	●●●○○○○
Wear resistance	●●●○○○○○○	●●●●●●●●	●●●●●●○○○	●●○○○○○○○	●●●○○○○○○	●●●○○○○○○	●●●○○○○○○	●●●○○○○○○	●●●●●●○○○	●●●●●●
Material	Polymer	Polymer	Polymer	High quality carbon steel	Refined carbon steel. Special surface treatment. No ceramics	Refined carbon steel	High quality stainless steel	Refined carbon steel. Special surface treatment. No ceramics	Refined stainless steel	Micro alloyed tool steel. Special surface treatment. No ceramics
Anilox wear resistance	●●●○○	●●●●●	●●●●●	●●●○○	●●●●●	●●●●●	●●●○○	●●●○○	●●●●●	●●●●●
Characteristics	Flexible and durable containment blade, reduce anilox scoring and back doctoring. Safe to handle.	Premium doctor blade for high speed, high temperature and aggressive chemical environments. Safe to handle.	Metering blade for narrow web and digital priming/coating, with extra long blade life, no anilox scoring. Safe to handle.	Low anilox and gravure cylinder wear. Good print quality. Economic blade at a fair price point.	Good print quality and lifetime. Less risk of metall hair formation and burr. Reduces anilox and gravure cylinder wear.	Long life wear resistance. Perfect for abrasive inks. Less chamber adjustments. High print quality –cleaner wipe.	Helps against corrosion. Long blade life. Oxidation and abrasion resistance.	Helps against corrosion. Excellent wear characteristics. Better oxidation and abrasion resistance.	Long life wear resistance. Perfect for abrasive inks. Less chamber adjustments. High print quality –cleaner wipe.	Extra long life wear resistance. High quality micro alloyed tool steel
Hardness	N/A	N/A	N/A	HV 595	HV 595	HV 850	HV 560	HV 580	HV 850	HV 850



Fastest doctor blade change in the industry



**Lamella** Lamella profiles are used in coating but also gravure and flexo printing. A lamella profile wipes well, up to the point that the contact zone becomes too large. They are available in different angles - pls. inquire for more details.

**Bevel** Bevel profiles are mostly used in coating, but also gravure and flexo printing. This profile wipes well up to the point that the contact zone becomes too large. They are available in different angles - pls. inquire for more details.

**Round** Round tips are used in flexo, gravure, lamination and coating segments. They feature polished radius ends for instant run in and an excellent seal against the roller. Double sided radius edge. Pls. inquire for more details.

# TRESU End Seal Selection Platform



Sealing	FeltSeal	FoamSeal	TRESU LipSeal		VacSeal Patented	KnifeSeal DUO	KnifeSeal ASYM.	
Material	Greased felt (Wool).	Polyethelen foam.	EPDM	FKM	Desmopan. Polyurethan (PUR).	EPDM	EPDM and PE	EPDM and PE
Ink or varnish system	Water based and high resistance to most solvent fluids.	Water based or UV based inks and varnish.	Water based inks, varnish and some solvents.	Solvents	Water based inks and varnish.	Water based and UV based inks and varnish.	Water based and UV based inks and varnish and some solvents.	Water based and UV based inks and varnish.
Wear resistance	●●●○○	●●○○○	●●●●●	●●●●●	●●●●●	●●○○○	●●●○○	●●○○○
Chemical resistance	●●●○○	●●○○○	●●●○○	●●●●●	●●●○○	●●●○○	●●●○○	●●●○○
Sustainability	●●●●●	●●●○○	●●○○○	●○○○○	●●●○○	●●○○○	●●○○○	●●○○○
Characteristics	Often used in corrugated, gluing- and special applications.	Often used in narrow web, label and reservoir chambers.	Often used in offset due to high wear resistance.	Often used in offset due to high wear resistance.	Often used in offset application and narrow web.	Often used in offset, narrow web applications and reservoir chambers.	This design is mainly used to high speed applications (>600m/min.) Flexo.	This asymmetric design is used for wider containment blades, mainly in high speed (>600m/min.) Flexo.
Food grade approved.			Suitable for most applications, substrates and speeds.	Suitable for most applications, substrates and speeds. High chemical resistance.		Suitable for most applications, substrates and speeds incl. pressurized chambers.		
Sizes	D0 - D5	D0 - D1	D1 - D5	D3 - D5	D2, D4	D1 - D3	D3	D4

# TRESU Cleaning Detergents Selection Platform



Cleaning Detergents	TRESU Wash & Print WB Ready	TRESU Wash & Print WB	TRESU Wash & Print UV	TRESU Wash & Print UV Special	TRESU Wash & Print UV Special	TRESU Wash & Print Solvent	TRESU Wash & Print Floor	TRESU Wash & Print Anilox
Application	Water Based	Water Based	UV	UV	UV	Solvent	Floor	Anilox
Dilution rate	Diluted 1:5	Mix 1 liter of WB with 10 liters of water	Undiluted	Undiluted	Undiluted	Undiluted	Mix between 1:10 and 1:50 diluted with water	Undiluted
pH value	11 ± 0,5	11 ± 0,5	8,5-9,5	Not specified	Not specified	Not specified	13,3 ± 0,5	6,0 ± 0,5
Foaming	Low	Low	Low	Low	Low	Low	Low	Low
Biodegradable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Volume & weight	1 kg	20 kg	20 kg	1 kg	20 kg	20 kg	5 kg	1 kg
Transport and storage	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 40°C

We can supply products sizes in larger quantities on demand.

- **Special recipe only from TRESU**
- **Biodegradable**
- **Low foaming**