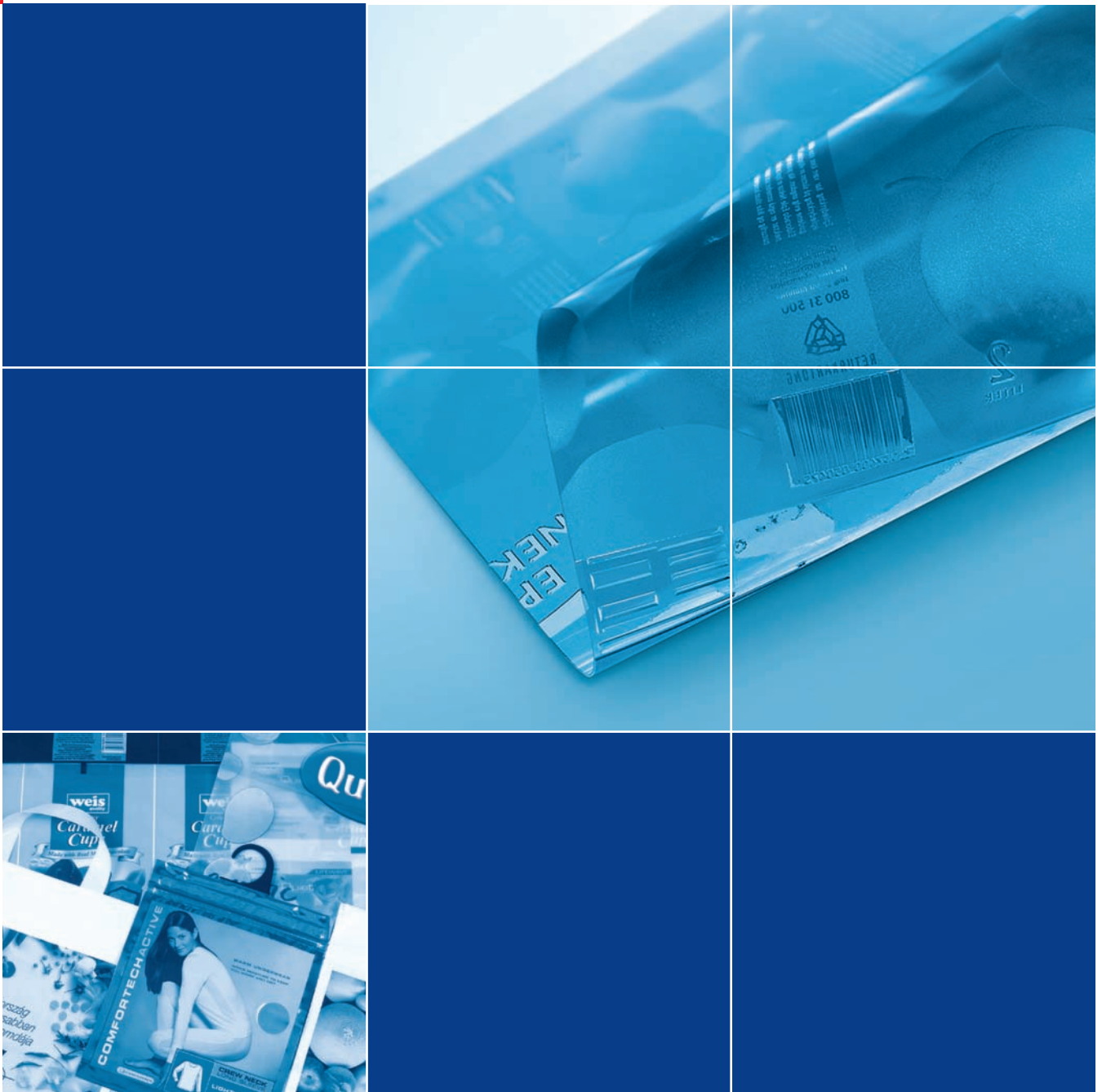


# tesa – optimize the whole printing process



tesa® solutions for the printing of flexible packaging

ASSORTMENT FOLDER – WIDE WEB





## Process improvement in every roll

The flexographic printing industry has evolved into a high quality industry that can compete with rotogravure in more than one way. Packaging printers are expected to deliver high quality print results to their clients on a daily basis. Brand owners expect the packaging of their products to look perfect in order to compete with other products.

While keeping their print results at a consistently high level, process efficiency has become more important than it has ever been before. Job changeovers and downtime of presses are more crucial than they have ever been. As presses run at increasingly higher speeds, any interruption will result in high costs. The tesa Softprint® plate mounting tapes have risen to meet these and many other challenges that today's flexo printers are facing.

They promote reliable and easy mounting, a dependable print process and consistent high quality print results, even at higher speeds and during longer print runs.

### Print Quality

For optimum print quality, all the steps of the process must be designed to work together in perfect harmony. Plate mounting tapes play a crucial role in ensuring that this is the case. Demanding color separations in terms of combination printing, varying kinds of substrates or finest screen counts - the tesa specialized product line for flexographic printing offers tapes with the right foam hardness to ensure excellent print results.

### Process Improvement

Efficiency is the key to profitability. Benefit from our skilled staff to offer solutions for the flexo printing industry. Tailored solutions speed up changeovers, prevent machine stops, quicken maintenance tasks – optimize your whole printing process. The innovative product solutions make, together with the service provided by our highly qualified and experienced staff around the world, tesa the adhesive tape partner to the flexographic printing industry.








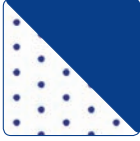
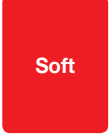
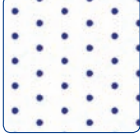

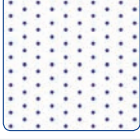
## tesa Softprint® – foam benefits

The tesa Softprint® plate mounting tape assortment offers several proven process benefits to today's flexo printers around the world. The balanced range of our five different hardness's allows printers to select exactly the right hardness that fits the requirements for each of their specific jobs and designs.

From the extra soft foam, for the finest screens while reducing press vibrations, up to the hardest foam, for solids while avoiding pin holing and delivering a perfect solid area density. Regardless the hardness that a printer chooses, tesa offers the highest quality foam in all the Softprint® tapes to ensure quick

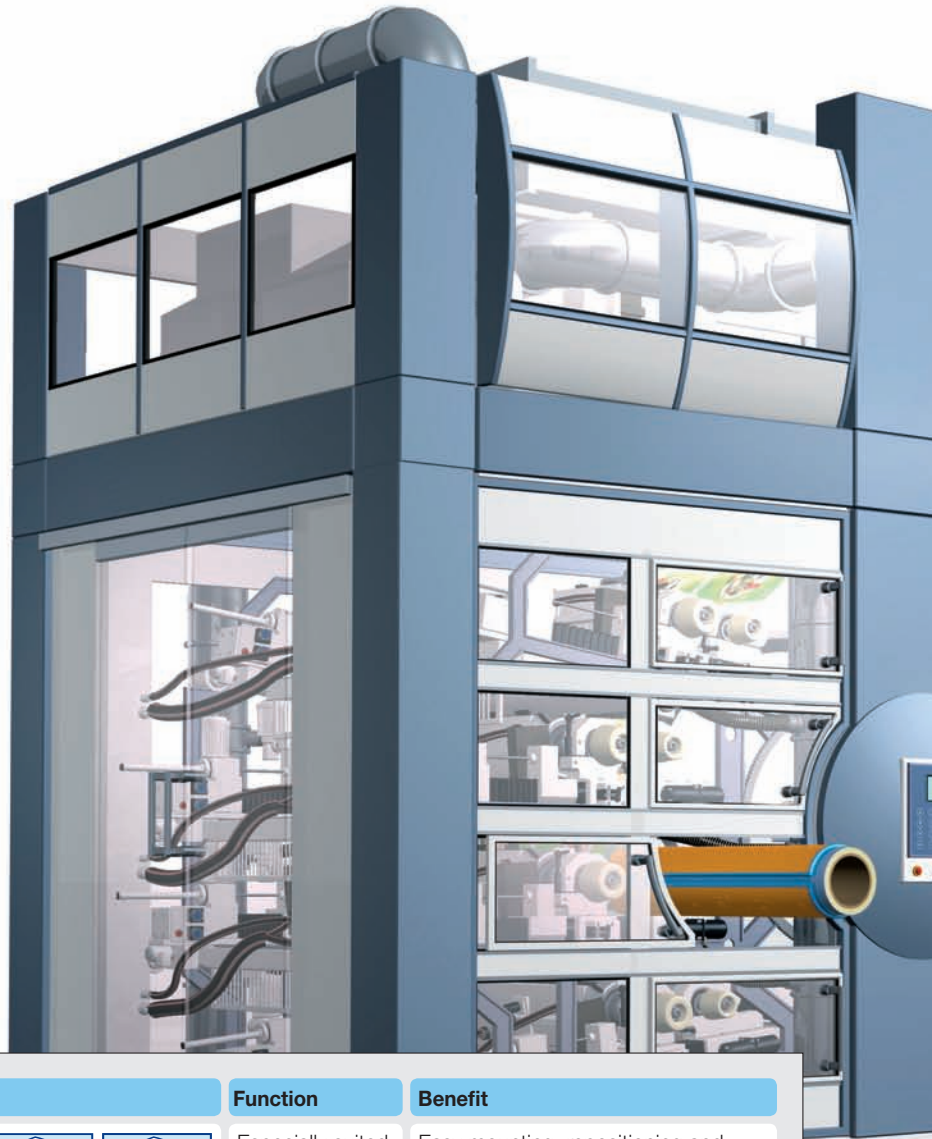
recovery after each impression so that superior quality print results can be ensured throughout the entire job, even at high speeds.

**Different foam hardnesses**

Feature	Function	Benefit
	 <p>Hard elastic PE foam with closed cells for printing solids.</p>	A perfect solution to overcome pin holing, optimal ink transfer and solid area density. Well suited for speeds above 600 mtr/min while minimizing bouncing.
	 <p>Medium-hard elastic PE foam with closed cells for printing solids and line work.</p>	A perfect solution for printing combinations of solids and line work with good solid area density and good contrast in reverse elements. Well suited for speeds above 600 mtr/min.
	 <p>Medium elastic PE foam with closed cells for printing combinations of solids and screens.</p>	A perfect solution for printing combinations of screens and solids while minimizing a controlled dot gain and still a good solid area density. Well suited for speeds above 600 mtr/min.
	 <p>Soft elastic PE foam with closed cells for printing screens</p>	A perfect solution for printing predominantly screens while minimizing dot gain. Well suited for speeds above 600 mtr/min.
	 <p>X-Soft elastic PE foam with closed cells for printing very fine screens</p>	A perfect solution for printing very fine screens and a forgiving foam for over impression. A good solution to prevent bouncing. Well suited for speeds above 600 mtr/min.

## tesa Softprint® adhesives

tesa offers flexo printers the opportunity to choose between different adhesive systems to guarantee optimal process efficiency during the mounting and printing processes. All ranges offer optimized adhesion to the cylinder side, ensuring comfortable tape mounting, repositioning and clean removal without leaving residues. On the plate side different adhesives are possible. Whether you focus on process security or mounting time optimization – tesa meets printers' demands with different levels of adhesives.



### Different adhesives

Product	Feature	Function	Benefit
<b>tesa Softprint® Fast &amp; Easy</b> <ul style="list-style-type: none"> <li>■ tesa® 52925</li> <li>■ tesa® 52920</li> <li>■ tesa® 52921</li> <li>■ tesa® 52922</li> </ul>		Especially suited for easy handling properties of both tape and plates.	Easy mounting, repositioning and demounting properties allow you to adapt to last minute changes and keep machine stops during change-over to a minimum.
<b>tesa Softprint® Sleevemaster</b> <ul style="list-style-type: none"> <li>■ tesa® 52225</li> <li>■ tesa® 52220</li> <li>■ tesa® 52221</li> <li>■ tesa® 52222</li> <li>■ tesa® 52223</li> </ul>		Especially suited for the use of thin plates.	Easy repositioning and demounting properties of 1.14 mm (.045") plates and easy removal of the tape without leaving adhesive residues.
<b>tesa Softprint® Steelmaster TP</b> <ul style="list-style-type: none"> <li>■ tesa® 52125</li> <li>■ tesa® 52120</li> <li>■ tesa® 52121</li> <li>■ tesa® 52122</li> </ul>		Especially suited for use with thin plates.	Easy demounting properties of < 1.70 mm (.067") plates without leaving adhesive residues and a secure bond towards sleeve or cylinder.
<b>tesa Softprint® Steelmaster</b> <ul style="list-style-type: none"> <li>■ tesa® 52025</li> <li>■ tesa® 52020</li> <li>■ tesa® 52021</li> <li>■ tesa® 52022</li> </ul>		Especially suited for the use of slightly older or thicker plates.	A good bond of both plate and tape. Even >1.70 mm (.067") plates are securely mounted while they can be demounted without damaging the plates or leaving behind adhesive residues.
<b>tesa Softprint® Secure</b> <ul style="list-style-type: none"> <li>■ tesa® 52825</li> <li>■ tesa® 52820</li> <li>■ tesa® 52821</li> <li>■ tesa® 52822</li> </ul>		Especially suited when jobs have butt joints or image up to the edge.	With a good bonding power of even thick plates plate lift can be prevented while still removable without leaving adhesive residues.





## tesa® 51910 EasySplice® FilmLine PLUS:

### The Ultimate Solution for Splicing Critical Film Materials

To ensure maximum output tesa has developed the tesa® 51910 EasySplice® FilmLine PLUS as a significantly enhanced product, which enables manufacturers of very thin, high slip films to save time and money by splicing at continuous production speeds.

Due to the successful introduction of tesa EasySplice® products, this very simple and easy method used in the flying splice process, has already become a standard amongst printers for flexible packaging. tesa® 51910 EasySplice® FilmLine PLUS, is a significantly enhanced product, which even enables manufacturers of very thin or nonetheless critical films or foils to save time and money.

## tesa is offering more than just plate mounting tapes ...

As true partner to the industry tesa is not limited to the offering of just plate mounting or splice tapes. tesa also provides flexo printers core starting, end tabbing and edge sealing solutions as well.

Our highly qualified and experienced staff, supported by our laboratory researchers and engineers, can also

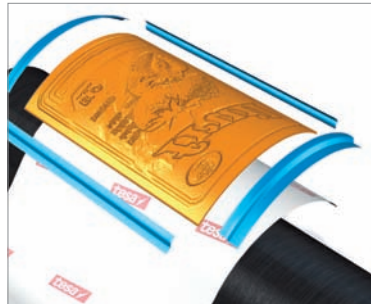
provide flexo printers with ideas and solutions that allow them to optimize their processes, weather this is identifying higher productivity opportunities or resolving process difficulties.

Our staff will do this based on the thorough understanding of the processes at today's flexo printers.



**Roller wrapping**  
tesa® 4863, tesa® 4563

For greater reliability and continuity in the print process. These tapes repel obstructive or adhesive substances (e.g. inks). The thermoset adhesive allows easy removal, even after a prolonged period.



**Edge sealing**  
tesa® 4244, tesa® 4287

tesa supplies plate edge-sealing products with a huge range of benefits. The adhesive sticks on photopolymer plates and is subsequently easy to remove without leaving adhesive residues.



**Failure flagging**  
tesa® 4104

For marking imperfections in the web or print faults. This can be done separately due to different available colors.



**Core starting**  
tesa® 64621

A good solution with sufficient adhesive properties to fix the web to the core.



**End tabbing**  
tesa® 4104

To prevent unwinding of finished rolls we offer tapes with safe bonding on all substrates. Available in different colors or transparent versions.



**Supportive tools**

We also offer supportive tools like cleaning roller, rubber roller, magic markers and more, to make several process steps more efficient or easy.



## High quality components

### Foam handled with care

The quality of the foam and the way the foam is integrated into the product makes a big difference. Not changing the foam structure in a thermal or mechanical way ensures the high quality of the foam and therefore the print results.

### Adhesive perfection

As it is our core business, our adhesive solutions are tailored to the requirements of the demanding flexographic printing industry. By listening to the demands of today's market we strive for excellence in our way of providing adhesive solutions for tomorrow.

### Combined into a superior product design

The stabilizing film allows the tape to be mounted and demounted without stretching the foam and therefore again mechanically influencing the product performance. The stabilizing film will not have an influence on the performance of the foam or the print results. Being so close to the hard and thick polyester backing of a flexo plate the benefits are mainly found in the dimensional stability of the product.







### tesa SE: Worldwide Manufacturer of Self-Adhesive System Solutions

tesa SE is one of the world's leading manufacturers of self-adhesive product and system solutions for industry, trade, and consumers. The company's 125 years of experience in coating technology and its development of adhesives and innovative product solutions have taken tesa, headquartered in Hamburg, to the top of the world market in many fields of application. As a partner to industry, tesa works together with its clients to analyze their production processes in order to develop tailored solutions for increasing efficiency or optimizing end products. Research labs in Germany, the United States, China, and Singapore ensure continual development of innovative product solutions. Our company sees its orientation toward international quality, environmental, and occupational safety standards as a matter of course. As a result, we submit to regular evaluations by recognized certification companies in the context of our "Global Certification Concepts", which we impose upon ourselves, to determine whether our Hamburg headquarters and the regional subsidiaries meet these standards.

### The tesa Group – Worldwide

With offices in over 50 countries, 6 production facilities, and more than 3700 employees around the world, tesa is one of the world's largest manufacturers of pressure-sensitive adhesive tape.



● Production ● Sales Office

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to advise you.

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