KOCHER + BECK

TECSCREEN
SCREEN PRINTING PLATES

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Modern production

TecScreen screen printing plates are produced entirely in-house at our parent factory in Pliezhausen. On a reel-to-reel plating line, the stainless steel meshes are nickel-plated in several steps, then coated with a light-sensitive polymer.

All production steps are subject to constant quality control, guaranteeing a product of maximum quality, “Made in Germany”.

Reliable handling

The high-contrast red coloration of the screen printing plate permits rapid visual assessment of errors in pre-press. TecScreen meshes have a strong, symmetrical nickel coating. It’s suitably robust for handling and printing, and tolerates foreign bodies and splices well.

The TecScreen varieties offered by Kocher+Beck cover all common print jobs and are available for all press types on the market. TecScreen can be processed in conventional copying systems using film, or in digital UV exposure devices.

In all common formats

We stock reels of TecScreen screen printing meshes in all standard widths, and produce custom reel and sheet sizes on request. The results of our everyday work are maximum precision and short delivery times for our customers.

TS.
TEC SCREEN

QUALITY BUILT + SERVICE DRIVEN

TECSCREEN SCREEN PRINTING PLATES

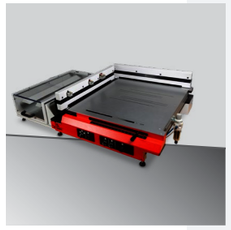
What’s more, Kocher+Beck offers the complete range of peripherals for processing printing plates. These include all consumables, as well as the equipment required for screen production. This gives customers who previously had to outsource complete screen cylinders the opportunity to manufacture screens themselves.

In addition, Kocher+Beck is happy to make its professional expertise available to customers for technical queries. Kocher+Beck’s Technical Service offers customers on-site advice and support, and also the chance to trial all the steps of printing cylinder production at its parent company in Pliezhausen.

Processing Unit

X552500

Device for fully automatic wash out and dry the exposed screen printing plate.



Screen Cutting Table

X500670

Device for cutting the TecScreen roll material to the required formats.

Washout Booth

X550073

Device for developing the exposed screen printing plate.

Drying Cabinet

X002862

Device for drying the washed out screen printing plate.

Welding Bar with Control Unit

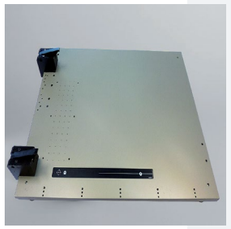
X500560

Device for welding the screen printing plate to the cylinder.

Mounting Device

062249

Device for mounting the screen cylinder on the screen rings.



Film Punching Unit

X500580 / X500680

Device for cutting the register holes in template films.

Exposure Test

X550066

Test film for simple determination of the optimum exposure time.

Screen Filler

X552557

Liquid for sealing openings on the screen fabric.

Welding Thread

X500464

Welding thread for welding the mesh into a cylinder shape.

Cyanoacrylate Adhesive

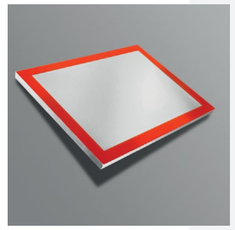
X500466

Adhesive for mounting the screen cylinder on the screen rings.

Starter Kit

X500590

Standard equipment for the production of rotary screen printing plates.



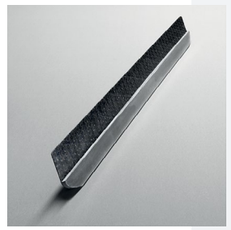
Washout Frame

X550072

Tool for supporting the screen printing plate during the washing process.

Screen End Rings

End rings for gluing in place in the screen cylinder.



Squeegee

X550067

Modern squeegee for best printing results.

Power Washer

X550063 | 230 V / 50 Hz
X550064 | 115 V / 60 Hz

Device for washing out the screen printing plate.

Register Pin

X500499

Tool for positioning the film on the screen printing plate.

Aluminium Tape

X500484

Aluminium tape to cover the screen edge on the rings.

TECSCREEN APPLICATION

	400F	325F	325M	325S	275S	275V	200V	110P	110U	88W	88Y	64Y	64U	64Z
Exposure Factor	0.8	0.8	1.0	1.0	1.0	1.1	1.5	2.5	5.0	2.5	5.5	5.5	6.4	7.0
Exposure Time	8	8	10	10	10	11	15	25	50	25	55	55	64	70
Welding Recommendation	in between											in between + on top		
Number of Welding Threads	2	2	3	3	3	4	4	4	4	4	4	5+5	5+5	5+5
APPLICATION														
Solids	+	+	++	+++	+++	+++	+++	+++	+++	+++	+++	++	++	+
Text and Lines: Rough	+	+	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++	+++
Text and Lines: Fine	+++	+++	+++	++	+	+	+	–	–	–	–	–	–	–
Halftone Printing	+++	++	+	–	–	–	–	–	–	–	–	–	–	–
Relief	–	–	–	–	–	+	++	++	++	++	++	++	+++	+++
Opacity	+	+	++	+++	+++	+++	+++	–	–	–	–	–	–	–
TECHNICAL DATA STENCIL														
Mesh Count (in)	400	325	325	325	275	275	200	105	105	88	88	64	64	64
Open Screen Surface (%)	13	21	24	26	23	23	26	42	42	40	37	49	49	49
Mesh Size (µm)	26	36	38	40	45	45	60	150	150	185	220	275	275	275
TECHNICAL DATA PRINTING														
Thickness of Ink Layer (µm)*	5	5	8	10	10	14	16	26	35	40	90	120	170	280
Line-wide Resolution (µm)*	100	120	120	120	150	150	170	300	300	300	250	400	400	400

*Values determined under standardised parameters.

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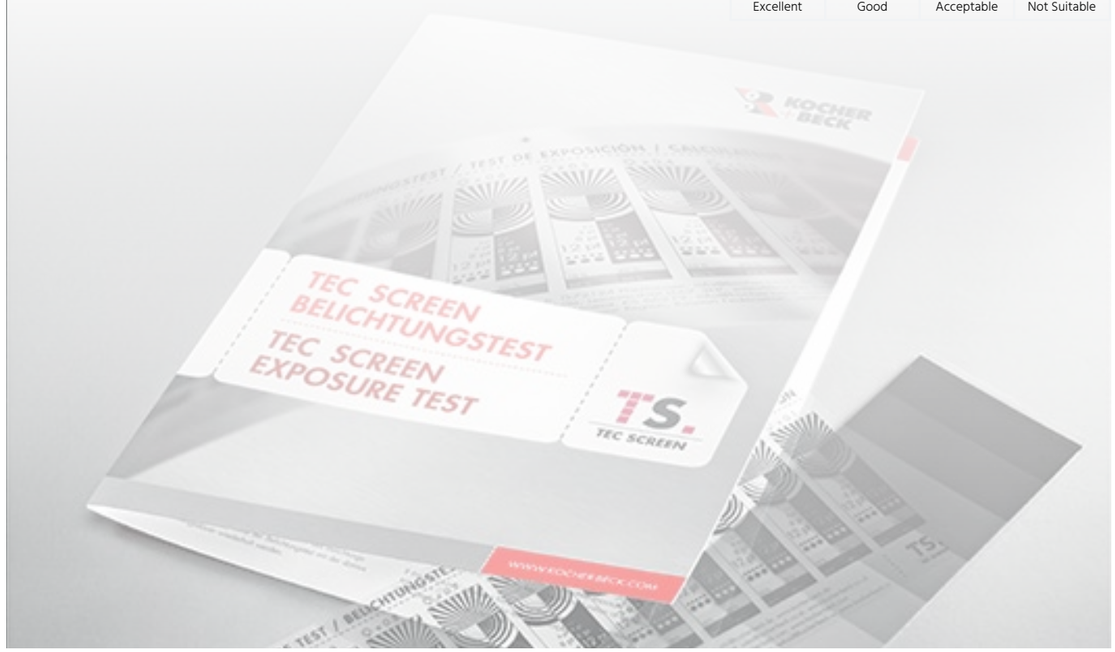
Excellent	Good	Acceptable	Not Suitable



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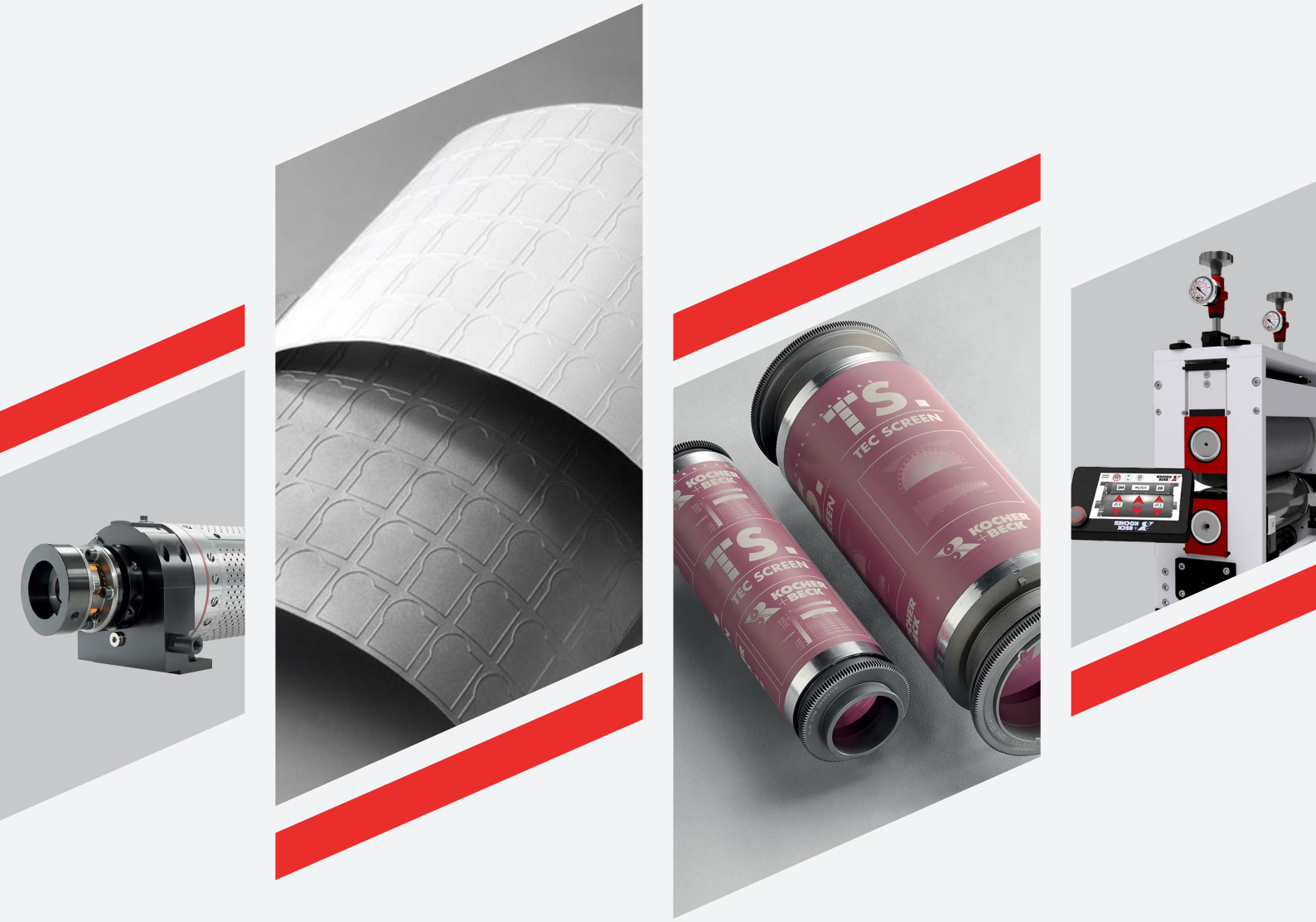

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