



STRIP PLATE®

Lackierplatten Produktions- und Handels GmbH



STRIP PLATE HISTORY

first polyester based varnishing
plate on the market

We decided to buy the
technology, the production
process and machines and
continue with the **production
to Austria**

1987

2010

2015

Founded from
Mr. **Heinz Nessmann**

Mr. Nessmann passed away
and his family decided to **sell
the company** few years back

We **rebrand** the product
to Stripplate. Originally
was Nessmann
Stripplate

STRIP PLATE HISTORY

Foundation of **Strip Plate USA**
LLC in Henderson Nevada &
New product **UV Black** was
developed for UV printing /
with patent

Foundation of **Strip Plate**
Middle East L.L.C-FZ in Dubai
U.A.E

2016

2020

2021

2022

New product **Polarflex**
was developed for
cardboard printing

New product **Top Coat** was
developed with rubber
surface

To this day we have
continued to grow and
have been able to
increase our turnover by
a factor of 4

STRIP PLATE

OUR UNIQUE PRODUCT

- ▶ We have unique production process of the top layer, that enable us, nearly no ink is build up on the plate. We can guarantee that,if the product is used on the correct way.
- ▶ No other manufacturer of polyester plate has this characteristics. If you compare polyester plate with rubber plates that are also on the market,you get much more varnish transfer with the plate and herewith better gloss results and you save on the varnish consumption as well. Because the PVC bottom layer is stable you can reuse the plate over and over again.
- ▶ We have good feedbacks from the market, that the life time of the plate can be up to 3000.000 impressions or more. But it also comes down to maintenance of the plates and the setup of the machine and the chemistry that is used.

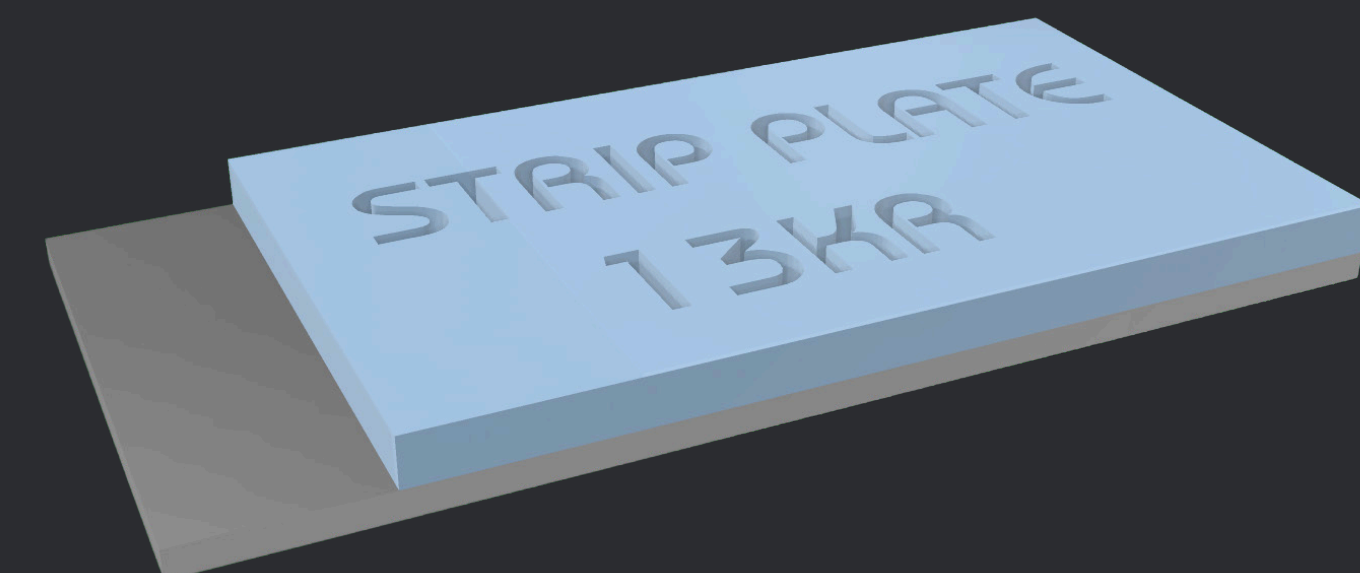
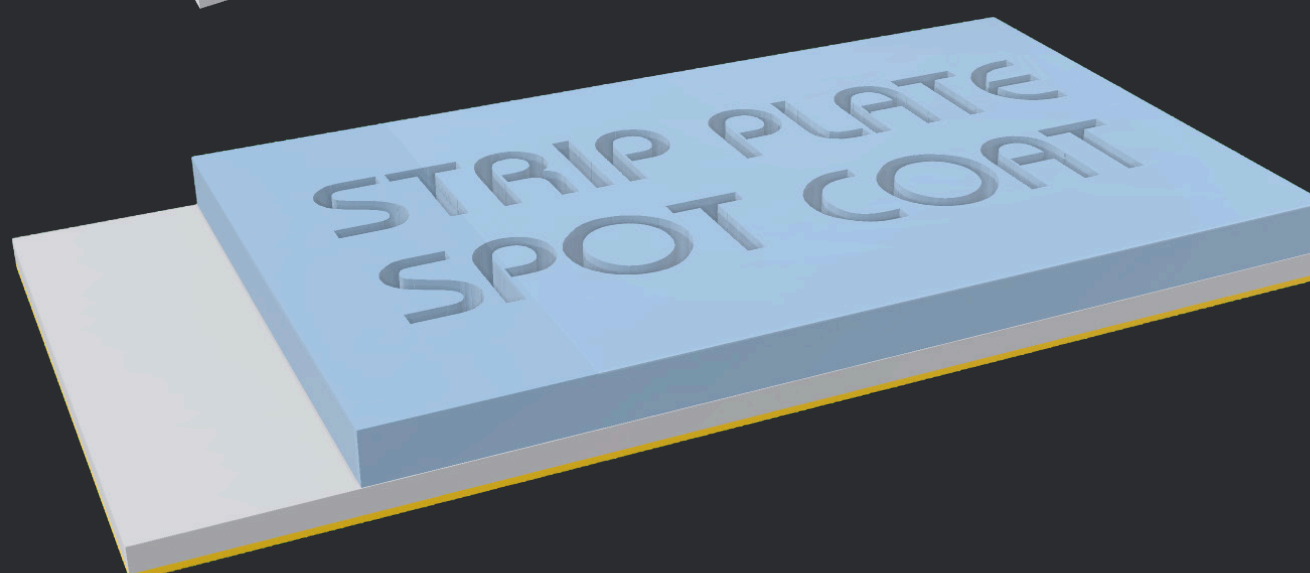
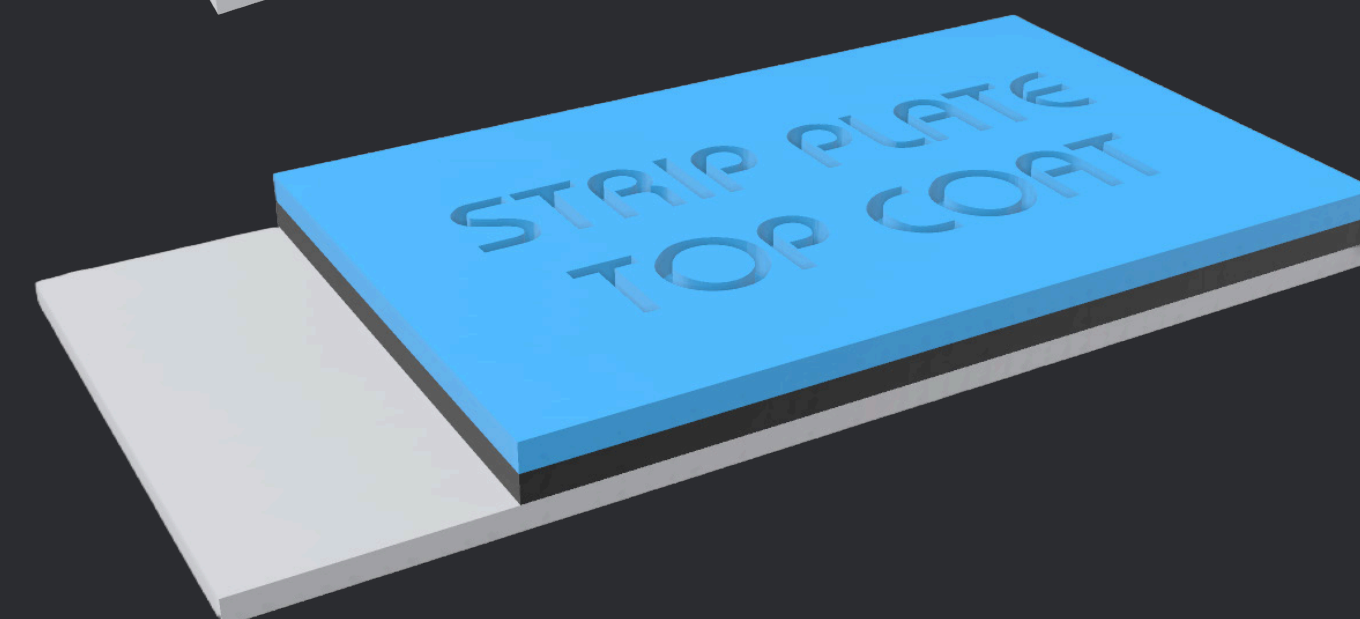
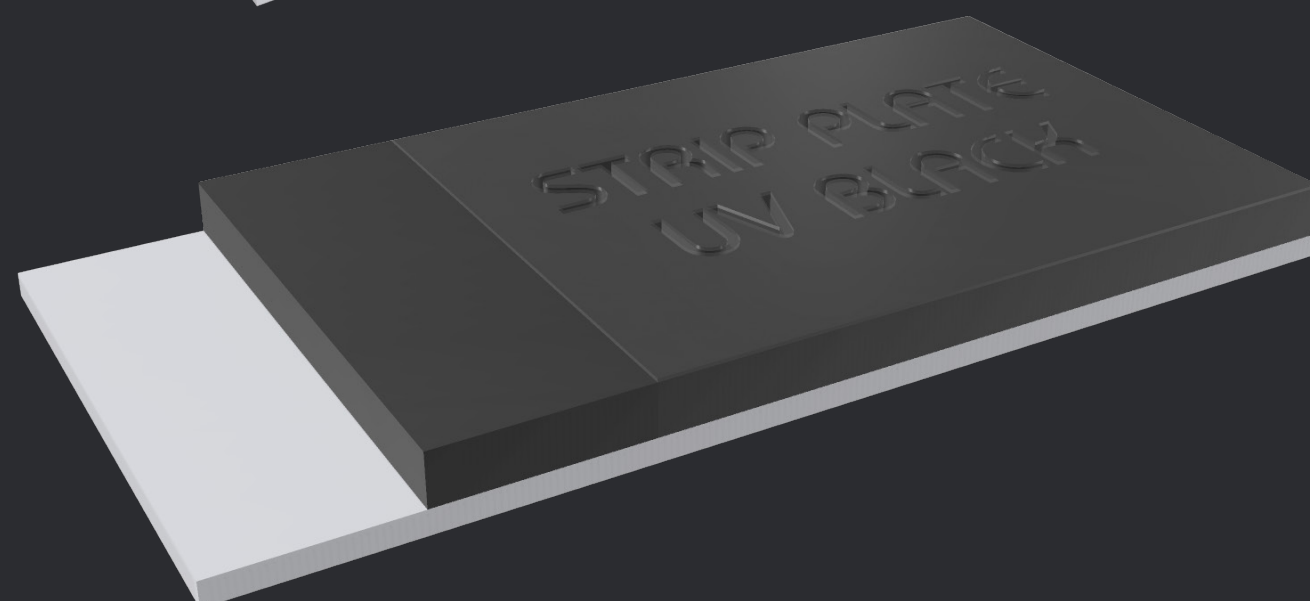
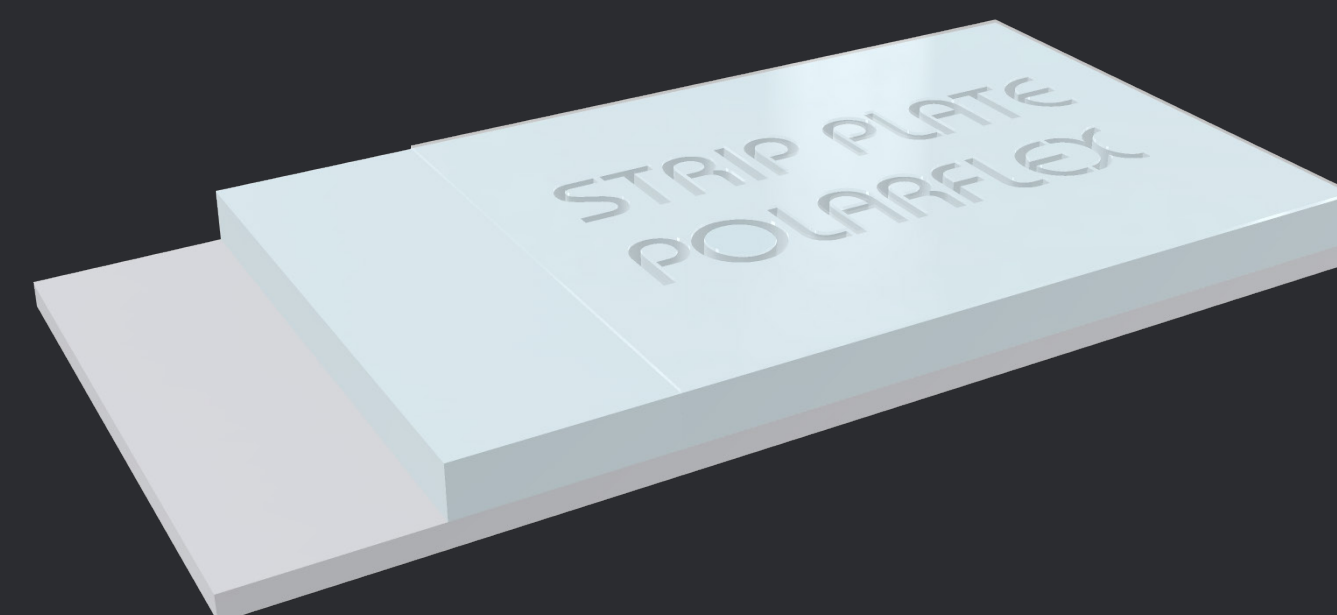
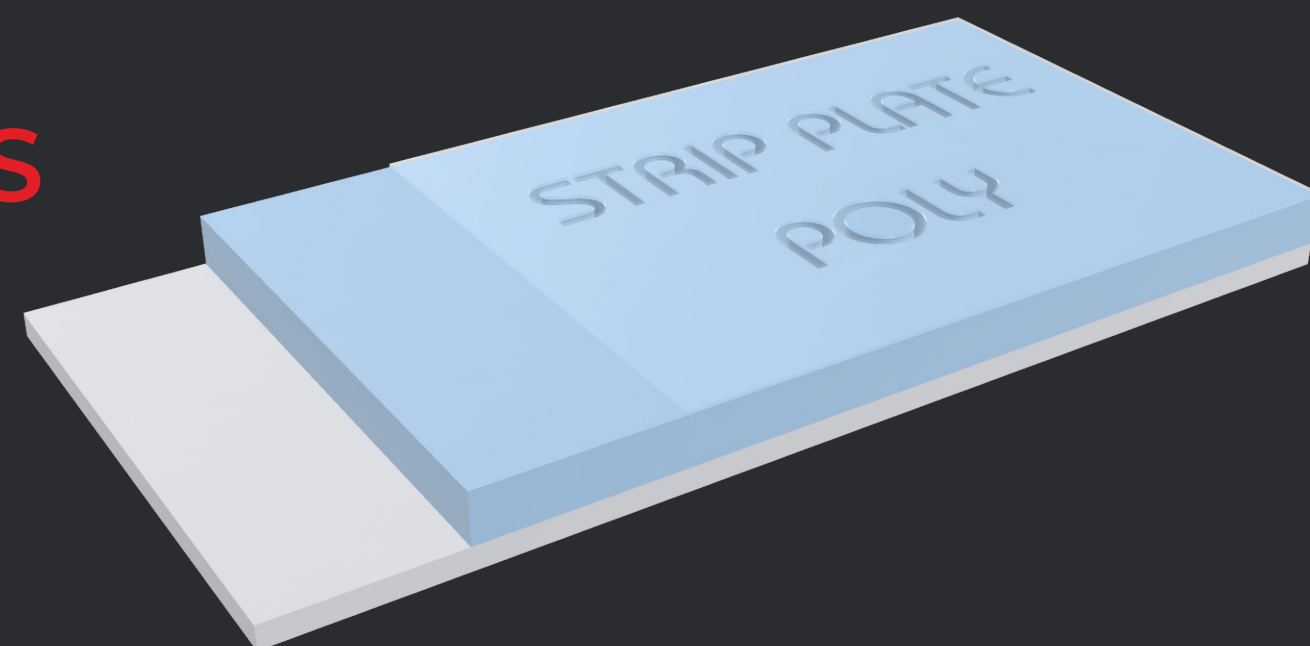


CEO
André Rabl



Founder
Heinz Nesmann
1941 - 2010

OUR PRODUCTS



COATING PLATE **DESIGNATIONS**

Poly®

AQ / UV

Direct Coating
PVC / Base Plate Polyester

0.033" - 0.045" - 0.053" - 0.077"
0.85 – 1.15 – 1.35 – 1.95 mm

Polarflex®

AQ / UV

Direct Coating
PVC / Base Plate Polyester

0.045" – 0.053"
1.15 – 1.35 mm

UV Black®

Dedicated UV

Direct Coating
PVC / Base Plate Polyester

0.045" – 0.053"
1.15 – 1.35 mm

COATING PLATE **DESIGNATIONS**

Top Coat[®]

AQ / UV

Direct Coating
Rubber / Base Plate Polyester

0.045" - 0.053" - 0.077"
1.15 – 1.35 – 1.95 mm

Spot Coat[®]

AQ / UV

Direct & Indirect Coating
PVC / Base Plate Polyester
or Aluminium

13 KR[®]

AQ / UV

Direct Coating
PVC / Base Plate Aluminium

0.035" - 0.045" - 0.051"
0,90 - 1.15 – 1.30 mm

STRIP PLATE

POLY

A PVC / Polyester polymer plate which works well with all types of stocks.
Compatible with both Conventional Aqueous and UV Varnishes
Transparent Blue in color; Smooth surface; Harder face layer
Gauges available: 1,15mm / 0.045"; 1,35mm / 0.053" & 1,95mm / 0.077"

STRIP PLATE

POLARFLEX

A PVC / Polyester polymer plate which works well with heavier stocks.
Compatible with both Conventional Aqueous and UV Varnishes
Better with Satin, Soft Touch or matte varnishes
Opaque Milky Blue in color; textured surface; Softer face layer
Gauges available: 1,15mm / 0.045" and 1,35mm / 0.053"

STRIP PLATE

UV BLACK

A PVC / Polyester polymer plate which works well with all types of coating.
Designed for UV Varnishes although will also run Aqueous
Opaque Black in color; textured surface; Softer face layer, similar to Polarflex
Will run up to 4X longer than most UV products (trials ran over 500K)
Gauges available: 1,15mm / 0.045" and 1,35mm / 0.053"

STRIP PLATE

TOP COAT

A Rubber / Polyester plate which works well with all types of coating.
Compatible with both Conventional Aqueous and UV Varnishes
Better with Satin, Soft Touch or Matte varnishes
Opaque Blue in color; Textured surface; Softer face layer
Gauges available: 1,15mm / 0.045" & 1,35mm / 0.053"

STRIP PLATE

SPOT COAT

A PVC / Polyester or Aluminium plate which works well with all types of stocks.
Compatible with both Conventional Aqueous and UV Varnishes
Transparent Blue in color; Smooth surface; Harder face layer

STRIP PLATE

13 KR

A PVC / Aluminium plate which works well with all types of coating.
Compatible with both Conventional Aqueous and UV Varnishes
Transparent Blue in color; Smooth surface; Harder face layer
Gauges available: 0,90mm / 0.035"; 1,15mm / 0.045" & 1,30mm / 0.051"

STRIP PLATE

COATING PRODUCTS OVERVIEW

	13 KR			POLY				POLARFLEX		UV BLACK		TOP COAT Gummioberfläche		
	90	115	130	85	115	135	195	115	135	115	135	115	135	195
TOTAL THICKNESS (MM)	0,90	1,15	1,30	0,85	1,15	1,95	1,15	1,15	1,35	1,15	1,35	1,15	1,35	1,95
RELIEF THICKNESS (MM)	0,50	0,75	0,90	0,50	0,80	1,00	1,60	0,80	1,00	0,80	1,00	0,80	1,00	1,00
BASE PLATE THICKNESS (MM)	0,40	0,40	0,40	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,35
CARRIER MATERIAL	ALU	ALU	ALU	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER	POLYESTER
SHORE HARDNESS (A)	75°	75°	75°	75°	75°	75°	75°	67°	67°	67°	67°	76°	76°	79°
INDIRECT DAMPENING UNIT/INKING	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
DIRECT COATING UNIT	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ANILOX ROLLER AND CHAMBERED DOCTOR BLADE	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPERSION COATING / PRINT COATING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UV COATING	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PROCESSING SYSTEM	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
TRANSPARENT	✗	✗	✗	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗	✗
MAXIMUM SIZE (MM)	1680x1270	1680x1270	1680x1270	1700x1315	1700x1315	1700x1315	1700x1315	1700x1315	1700x1315	1700x1315	1700x1315	1680mmx50m	1680mmx50m	1680mmx50m



ADVANTAGES

WITH STRIP PLATE COATING PRODUCTS

- Superior Coating Performance
- Strip Plate® offerings will outperform most fabric backed versions
- Poly & Polarflex will run over 3,5 million sheets with most AQ varnishes
- Innovative Surface finish which impedes ink back-trapping / build up
- Some coating product manufacturers will claim this however it is one of Strip Plate ® products most advantageous features
- Adhesive formula - Ease of stripping yet ample strength during production
- PVC surface can be re-applied with heat and pressure
- minimizes shear issues
- Reinforced carrier – longer use, less stripping error, less shear issues
- Increases lifetime, repeat use and improved stability
- Increased Gloss values – heavier / smoother coating film
- major advantage w/ soft touch / satin / matte varnishes
- UV Black version – higher longevity vs. competition
- Will be a “GAME CHANGER” in the UV application market !!!

STRIP PLATE

FEATURES, ADVANTAGES & BENEFITS

- The Strip Plate® plate was the first plate based on PVC on the market in 1987.
- All our products are ISEGA certified so they can be utilized in food packaging
- Exceptional Coating characteristics designed for use in the Cosmetics, Food, General, Pharmaceutical and High Quality “Top Shelf” Packaging applications
- The “Poly” offering is our universal coating plate that can be utilized with both UV and Aqueous coatings
- Our “Polarflex” version was designed especially for the packaging industry. It is a bit softer so that it can push the varnish into the pores of the cardboard & has a texturized surface to inhibit “Orange Peel effect”.
Can be used with both UV and Aqueous varnishes.
- Our new patented “UV Black” was designed to be utilized in dedicated UV applications has run over 500K on field trials with UV varnish.
(This will be a game changer as most only last up 100K)
- Strip Plate® coating plates have been reported to lay down a heavier / smoother film

STRIP PLATE

FEATURES, ADVANTAGES & BENEFITS

- Our standard gauges w/ Poly, Polarflex & UV Black are 0.045" (1.15mm) & 0.053" (1.35mm).
- Poly is the only product currently available in 0.077" (1.95mm).
- Our Polymer plates do not "wick" solvents or swell unlike fabric backed products
- Our Polymer Plates cut cleaner & more consistent than fabric backed products
- no fibrous hairs remaining on the cut edges
- advantageous for the more complex detail coating requirements.
- Our unique sales feature on all products is our special produced surface finish, which impedes any ink build up or back-trapping.

Strip Plate® is one of the few manufacturers that can boast this feature.

- The varnish transfer (splitting) is +80 %.
- Longer lifetime, increased durability to reuse with repeat jobs through dimensional stability.
- Superior register performance versus Fabric Backed Rubber coating blankets which tend to stretch over repetitive use, chemical ingression & re-torqueing.
- Strip Plate® coating plates are a cost reductive alternative to photopolymer plates (i.e Cyrel)

16 August 2022
Dr. Dr/Dr-hu

UNBEDENKLICHKEITSERKLÄRUNG
CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE

eingetragen
registered no.
registré

57721 U 22

für
for
pour

Strip Plate Lackierplatten Produktions- und Handels GmbH
Gmünder Straße 43 / Rampe 3
3943 Schrems
Austria

Produkt
Product
Produit

Coating plate

The product manufactured by the company mentioned above is a coating plate which is used as a component of the printing machine in the printing process of food packaging.

It was examined by us according to the

Methoden zur Untersuchung von Kunststoffen, soweit sie als Bedarfsgegenstände im Sinne des Lebensmittel- und Bedarfsgegenständegesetzes verwendet werden, einschließlich der 62. Mitteilung des BfR zur Untersuchung von Hochpolymeren und der aktuellen Methoden in der ISEGAAkkreditierungsurkunde gemäß der DIN EN ISO 17025,

(Methods for testing plastics as far as they are used as consumer goods as defined by the Foodstuffs and Consumer Goods Act, including the 62nd memorandum of the BfR on the examination of high polymers and the current methods in the ISEGA accreditation certificate according to the DIN EN ISO 17025),

for the composition as well as for the release of substances which might endanger health and to the

ISEGA

FOOD PACKAGING CERTIFICATION

All Strip Plate® coating plates are certified by ISEGA for utilization in food packaging applications

STRIP PLATE PATENT



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(73) Name und Wohnsitz des Inhabers:
**STRIP PLATE Lackierplatten Produktions- und
Handels GmbH, Schrems, AT**

(74) Name und Wohnsitz des Vertreters:
**Tergau & Walkenhorst Patentanwälte PartGmbH,
60439 Frankfurt, DE**

Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen.

(54) Bezeichnung: Lackierplatte

 Bundesrepublik Deutschland 

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2021 101 327

Bezeichnung:
Lackierplatte

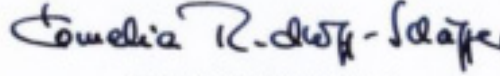
IPC:
B41N 1/12

Inhaber/inhaberin:
STRIP PLATE Lackierplatten Produktions- und Handels GmbH, Schrems, AT

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16.03.2021

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06.07.2021

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 06.07.2021



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

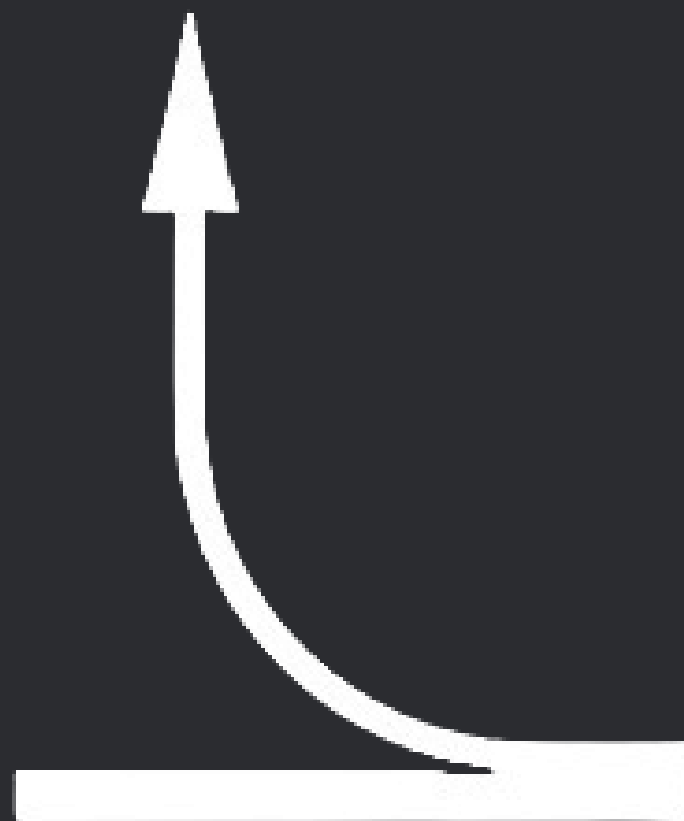
STRIP PLATE TROUBLESHOOTING

- ▶ Troubleshooting involves assessing where the process broke down.
Think of 6 M's to 'process control':
machinery, methods, measurements, manpower, milieu, & materials
- ▶ Defective materials make up < 3% of root causes.
- ▶ Common coater blanket (rubber or polymer) specific complaints:
Note: none of the complaints below relate to material deficiency
- ▶ Ink backtrap
- ▶ Delamination
- ▶ Corner lifting
- ▶ Swelling
- ▶ Low gloss
- ▶ Slinging/ splashing

STRIPPING TECHNIQUE (METHOD)



CORRECT



WRONG

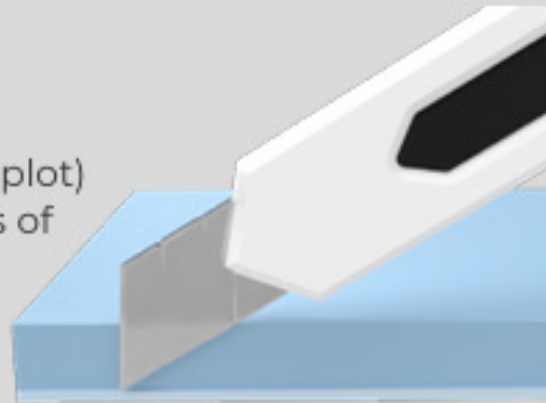


WRONG

CUTTING TECHNIQUE (METHOD)

CORRECT CUTTING

It's important to cut (or plot) only the exact thickness of the toplayer

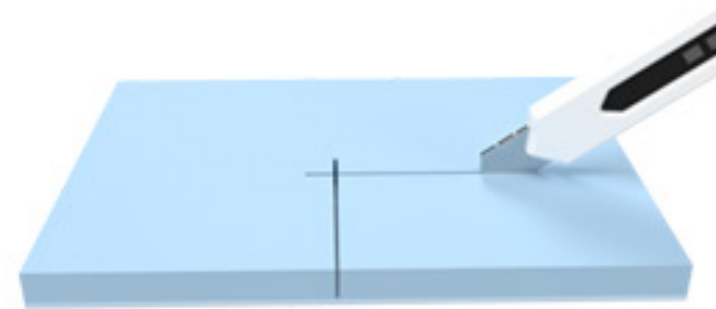


When working with the lifting tool, only use it in the direction of the area to be removed. The area to be printed should not be damaged.

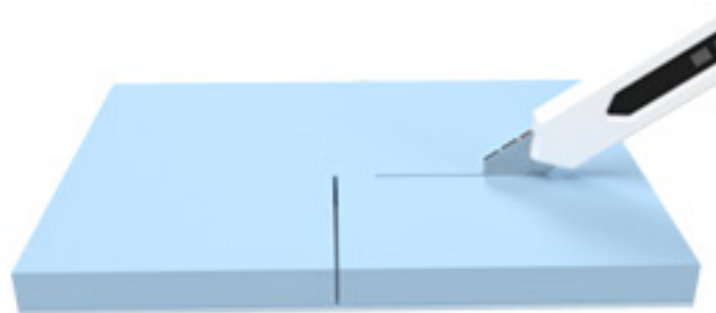


WRONG CUTTING

Avoid overlapping cuts. The area to be printed should not be damaged.

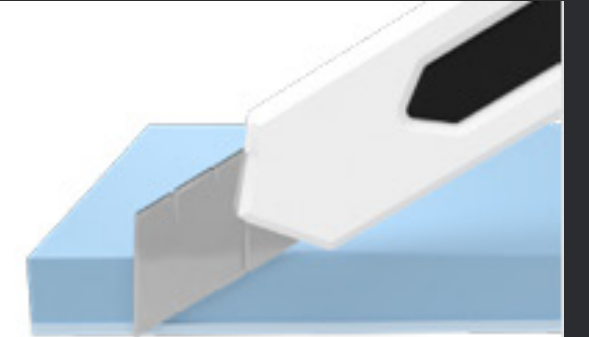


Avoid any distance between the cuts.

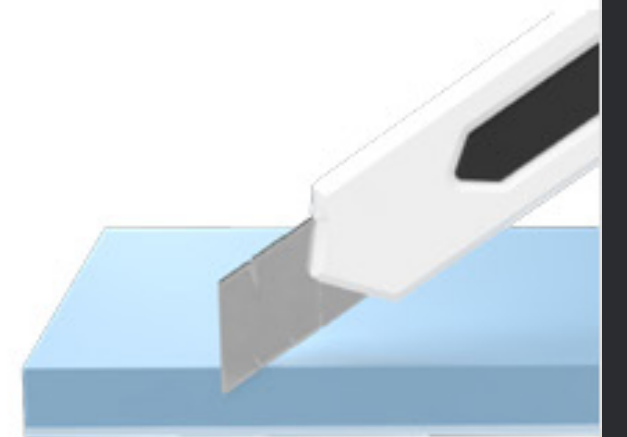


Cutting to deep

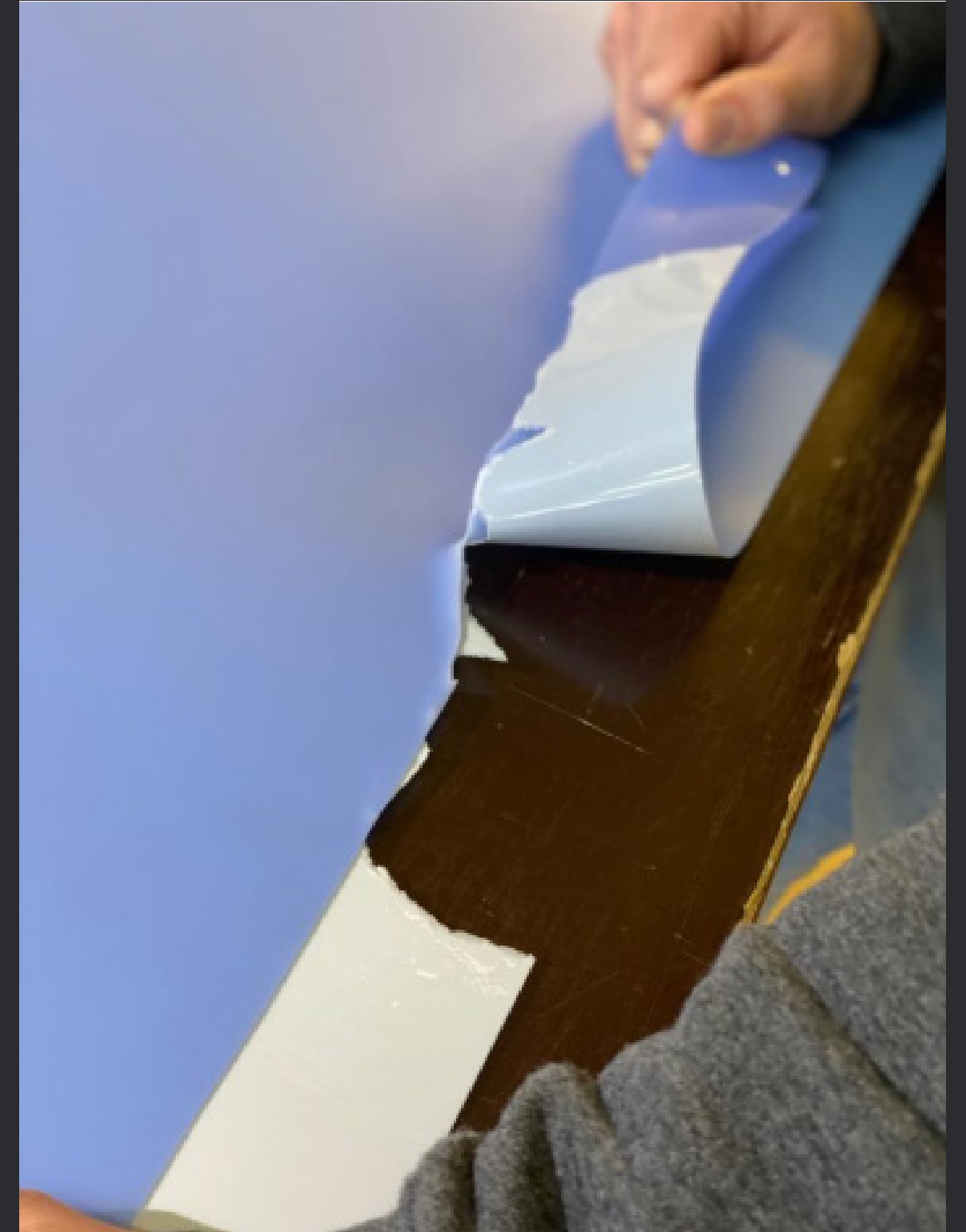
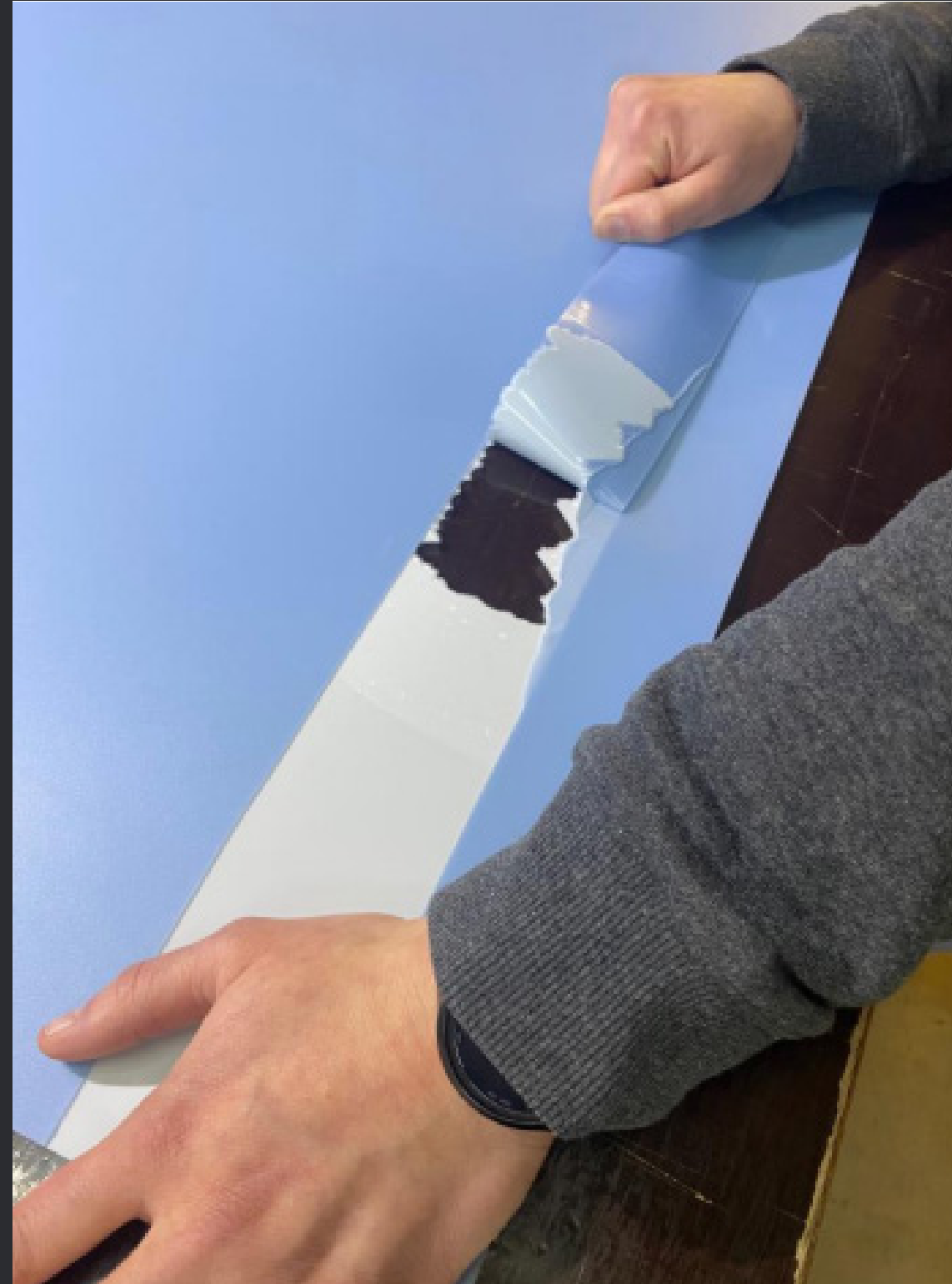
Then it is possible that the UV varnish penetrates under the carrier and the plate lifts or detaches.



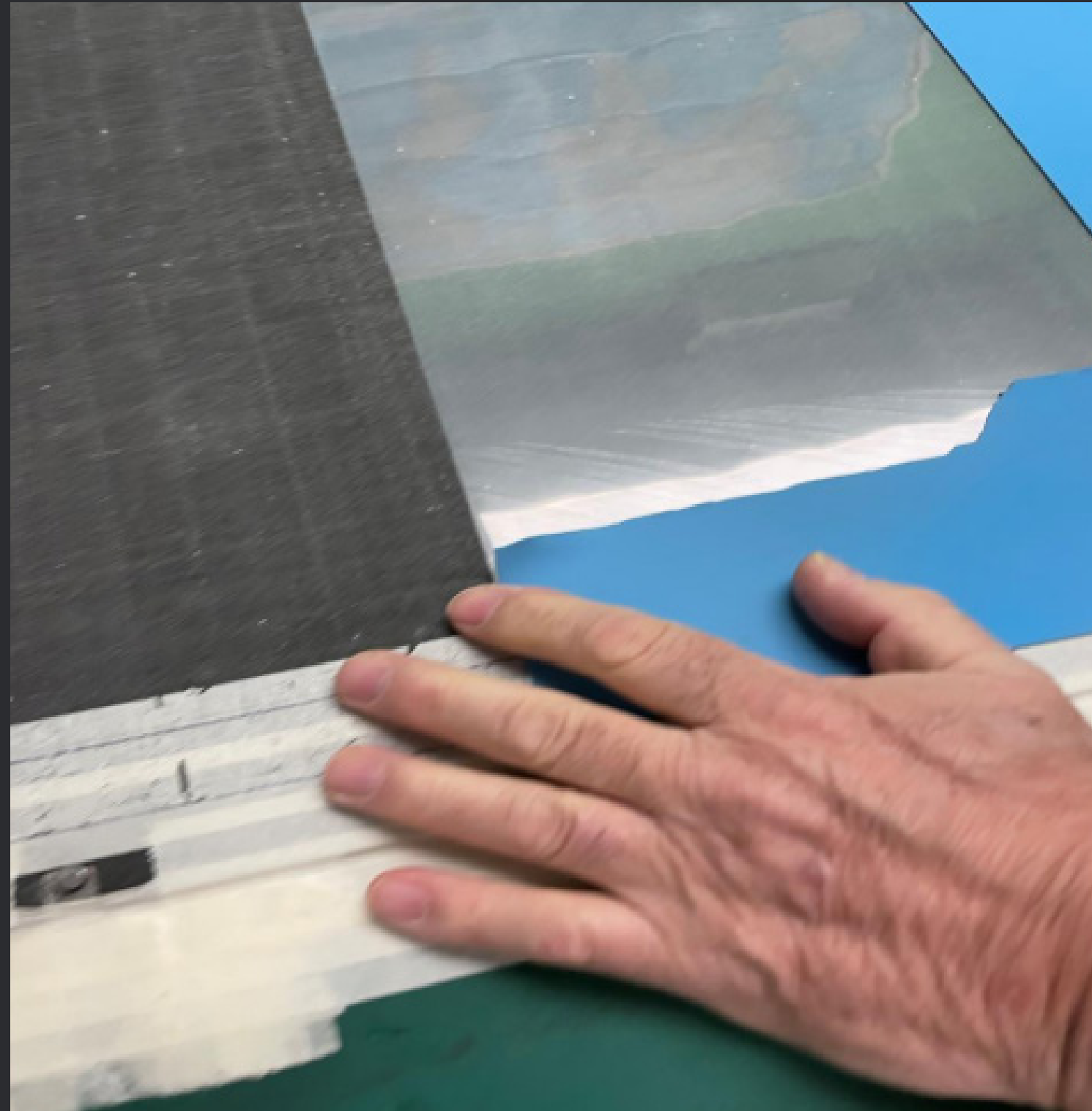
The cut is not deep enough



CARRIER FRACTURE



CARRIER DELAMINATION



INK BUILD UP

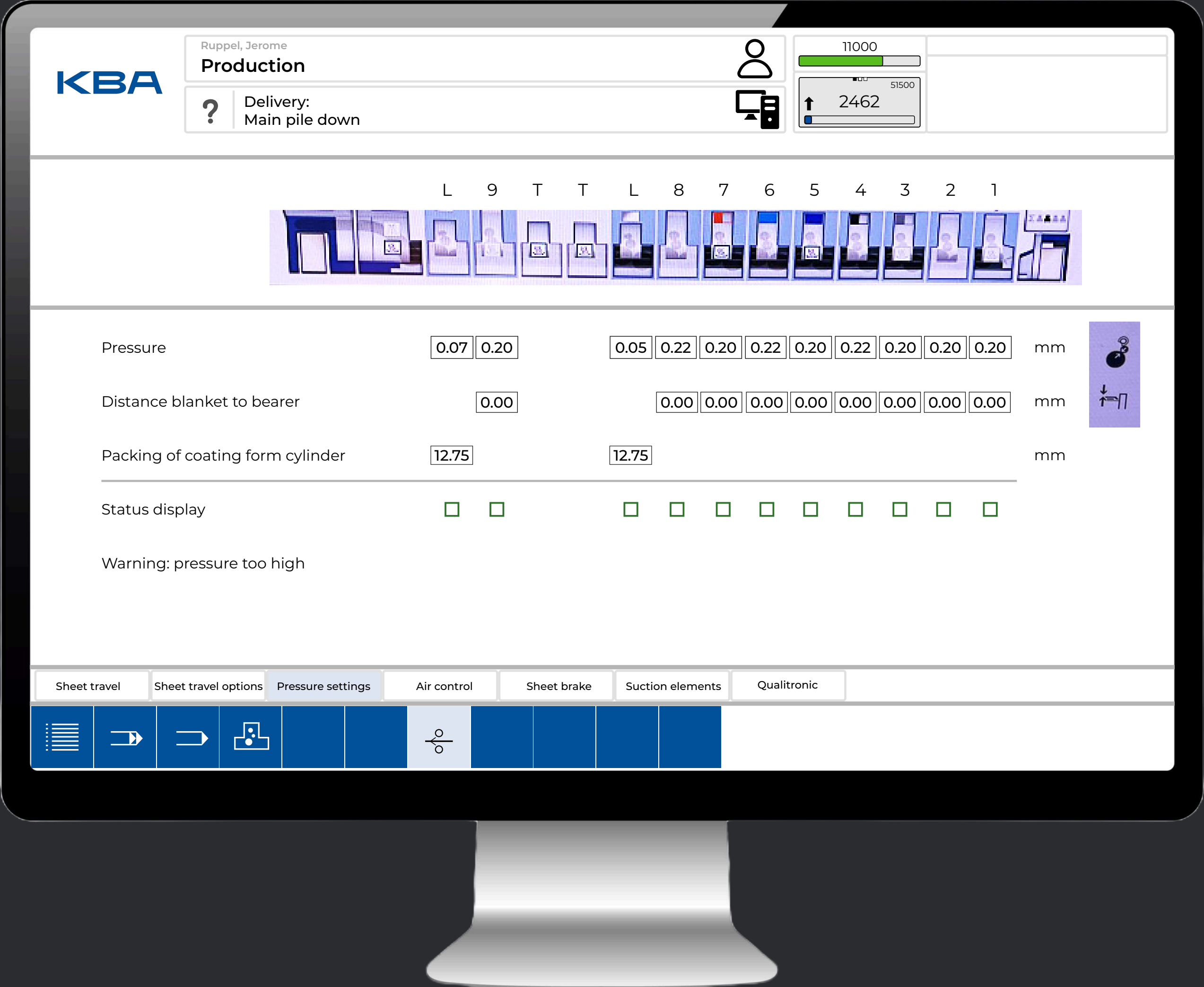


STRIP SETTING (MACHINE, MEASUREMENT)

- ▶ 3B machines: 5-6 mm
- ▶ Large-format machines: 6-8 mm

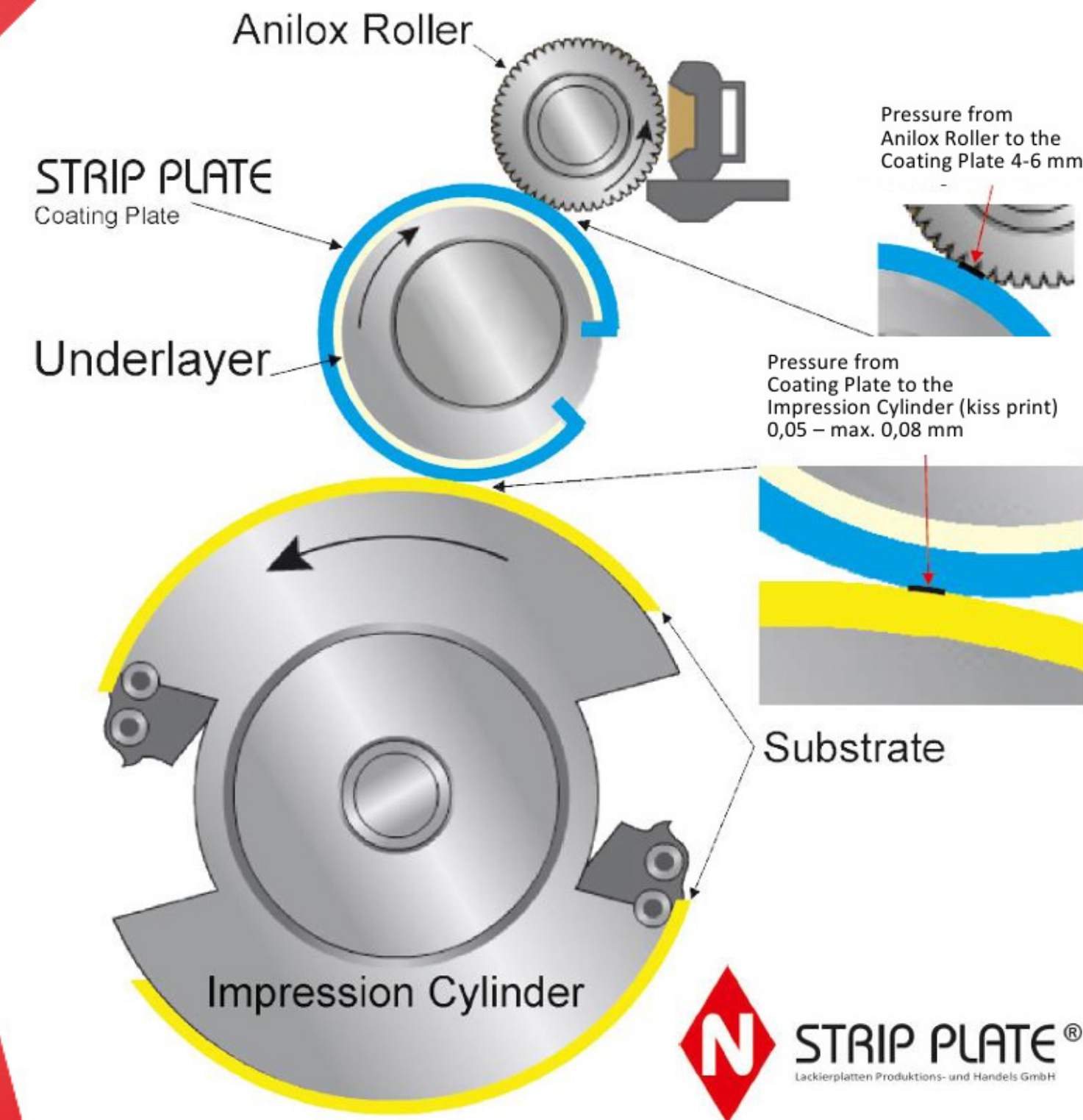


PRESSURE SETTING



CORRECT COATER SETUP

- 1 The Anilox Roller must be clean.
- 2 The coating plate should be clamped with a maximum of 30 N/m, optimal 25 N/m.
- 3 Pressure from Anilox Roller to the Coating Plate - max. 4-6 mm.
- 4 **Optimum pressure of coating plate to the Impression Cylinder (kiss print) - 0,05 - max. 0,08 mm.**
- 5 Always observe the correct underlayer thickness, see at the machine manual.



STRIP PLATE TROUBLESHOOTING

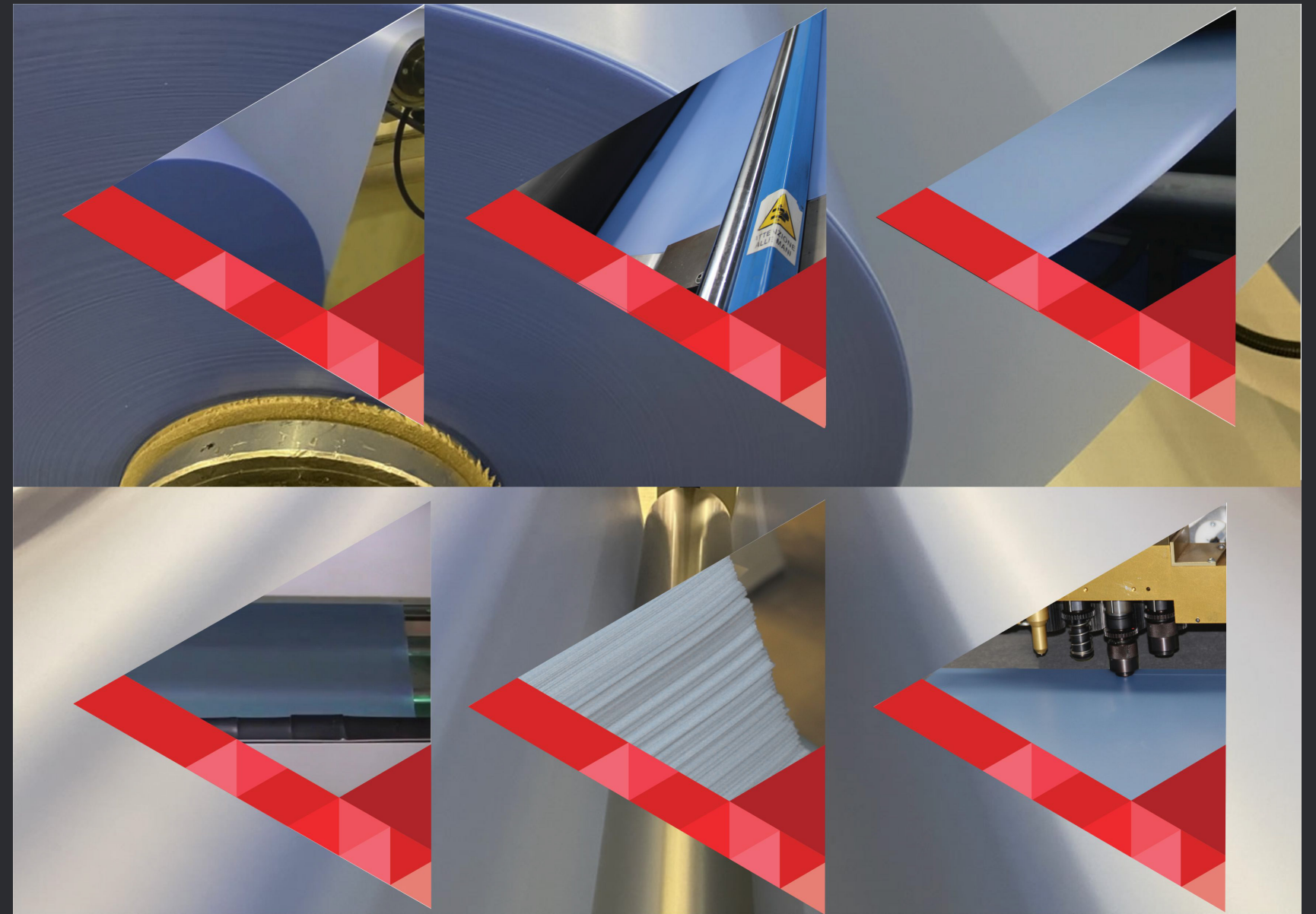


*The easiest way to get out of trouble
is to stay out of trouble.*

**Strip Plate will widen the process window and help the printer
stay out of trouble.**

- Double polyester carrier
reduce / eliminate carrier failure
- Enhance surface profile
carry more coating, offer better coating 'wetting'
- Superior surface composition & finish
eliminate ink 'back trap', eliminate CAD tool head 'chatter',
reapply lifted material

STRIP PLATE PRODUCTION





STRIP PLATE®

Lackierplatten Produktions- und Handels GmbH

THANK YOU

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