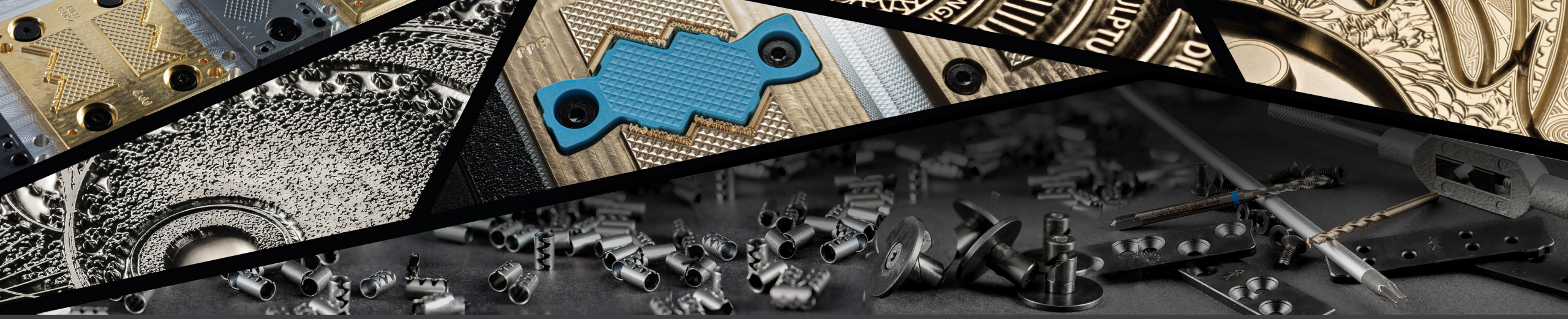
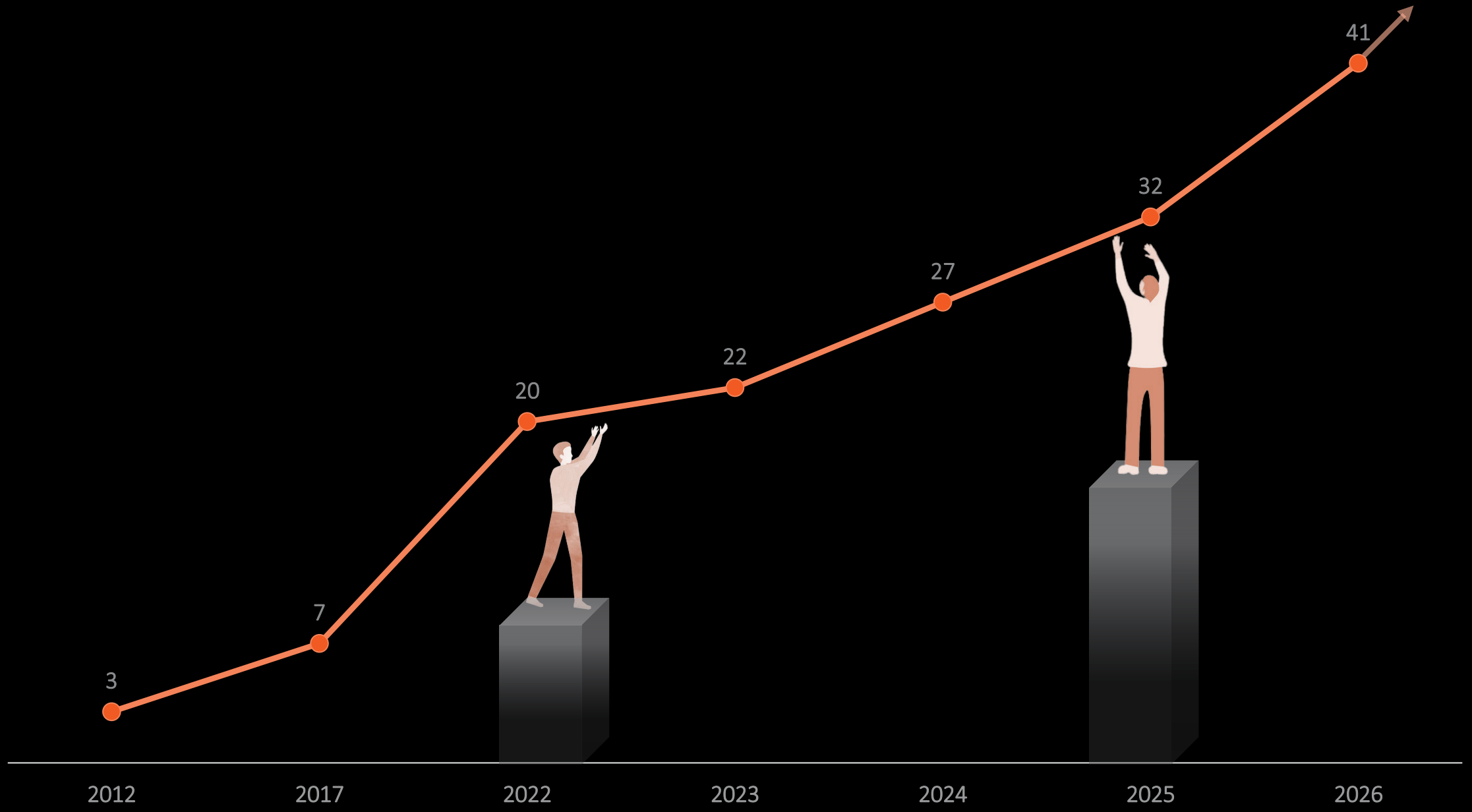


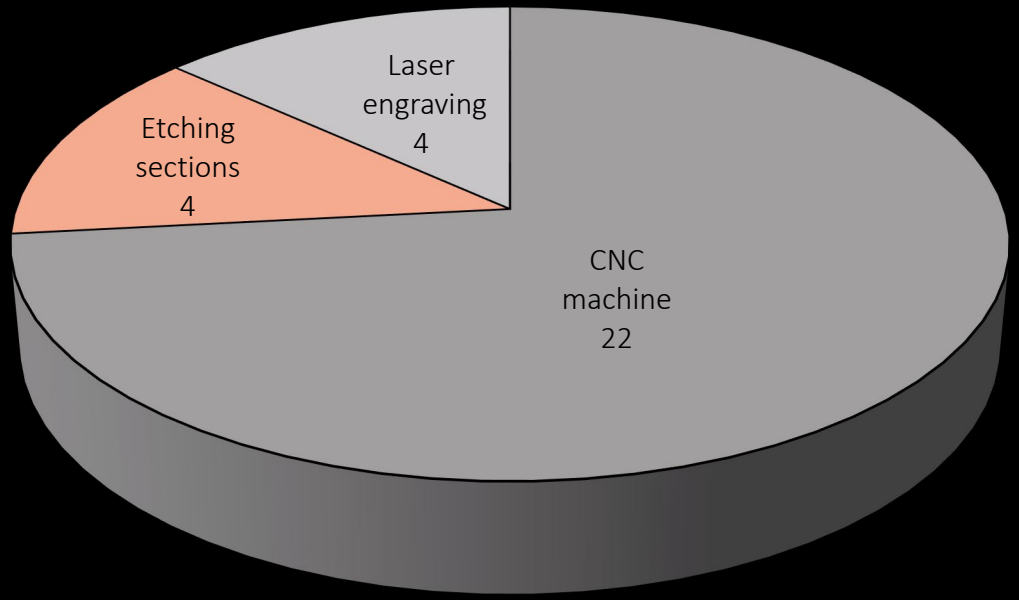
TOOLING MASTER PRESENTATION

Vilnius, Lithuania
2026.09.10

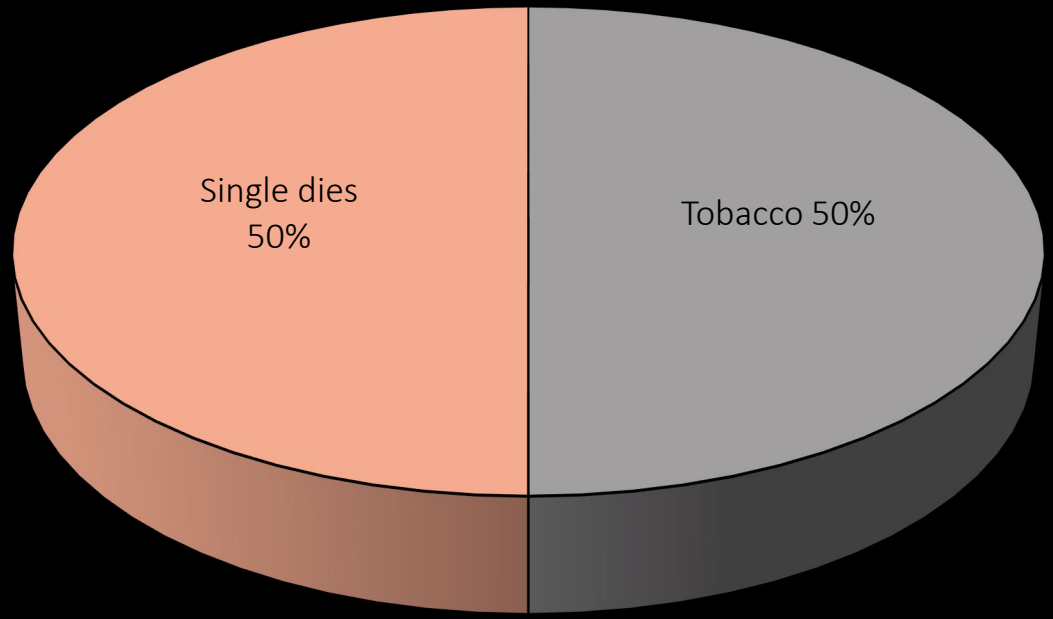
TEAM GROWING



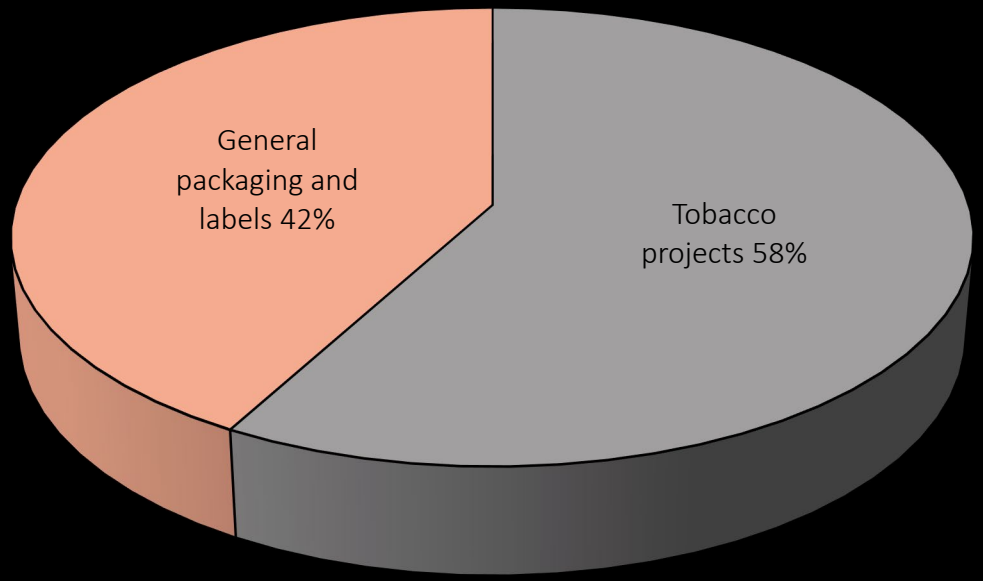
MACHINE TECHNOLOGIES



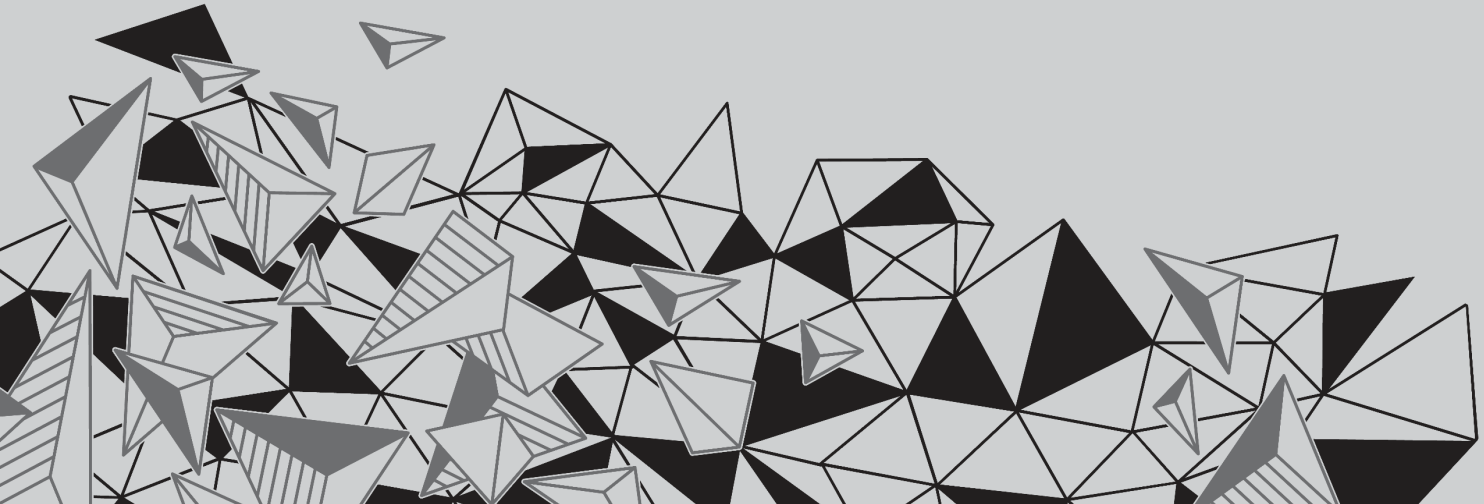
TOBACCO VS SINGLE DIES



TOBACCO VS PACKAGING & LABELS



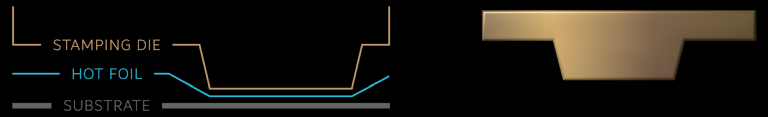
DIES & COUNTER DIES



ENGRAVED DIES

TYPE BY PROCESS

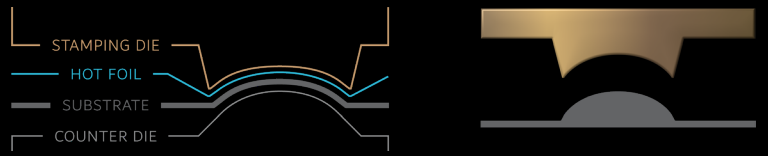
HOT STAMPING



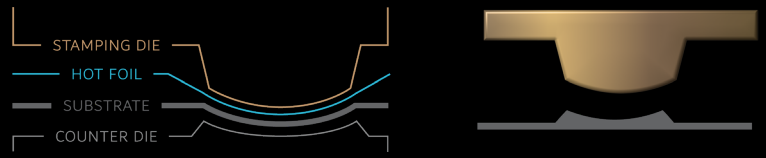
HOT STAMPING – EMBOSSED W/O COUNTER DIE



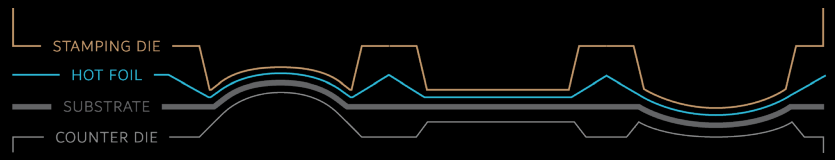
HOT STAMPING – EMBOSSED



HOT STAMPING – DEBOSSED



COMBINED



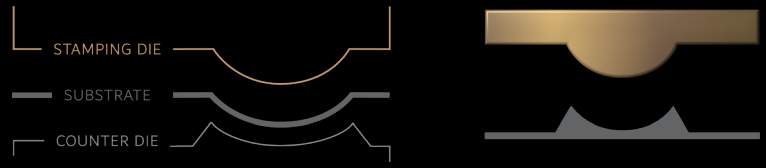
ENGRAVED DIES

TYPE BY PROCESS

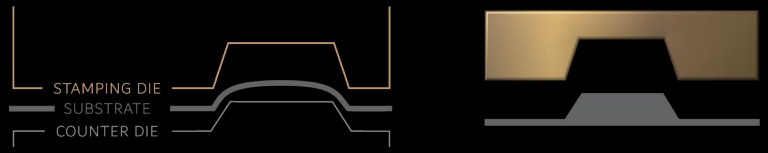
EMBOSSING



DEBOSSING



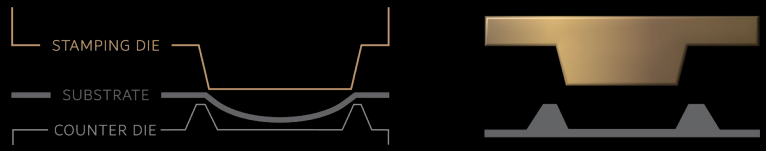
EMBOSSING 2D



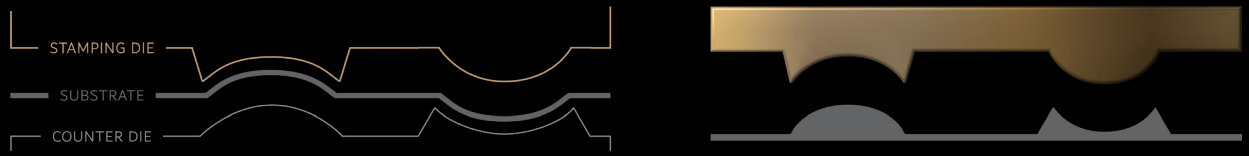
DEBOSSING 2D W/O COUNTER DIE



DEBOSSING 2D



COMBINED



ENGRAVED DIES

MATERIAL & THICKNESS

BRASS



THICKNESS

4 mm | 6.35 mm | 7 mm | Custom

BRASS HARD



THICKNESS

4 mm | 6.35 mm | 7 mm | Custom

ALUMINIUM



THICKNESS

4 mm | 6.35 mm | 7 mm | Custom

MULTITOOL-R



THICKNESS

7 mm



SURFACE TREATMENT

NICKEL COATING



SAMPLE

VELOCITY



SANDBLASTED



ENGRAVED DIES

EMBOSS RELIEF



ROUND



ROUND WITH LIMIT



RAISED FLAT



PYRAMID



PYRAMID WITH LIMIT



MULTILEVEL



3D SCULPTURED

ENGRAVED DIES

EMBOSS RELIEF WITH HOT STAMPING



ROUND



ROUND WITH LIMIT



RAISED FLAT



PYRAMID



PYRAMID WITH LIMIT



MULTILEVEL

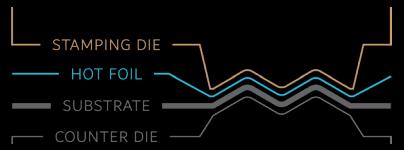


3D SCULPTURED

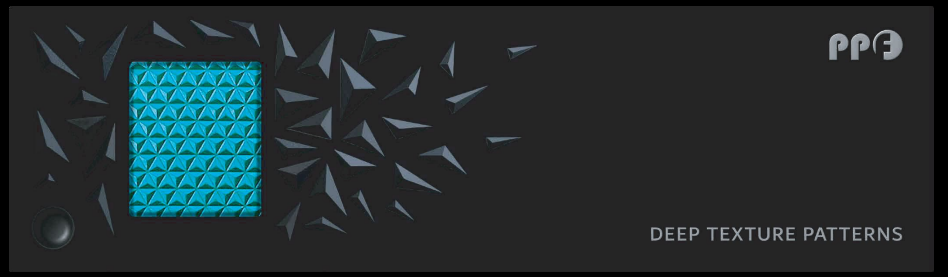
ENGRAVED DIES

TEXTURE

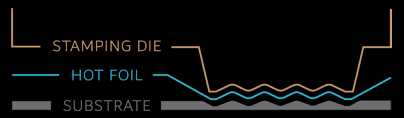
DEEP



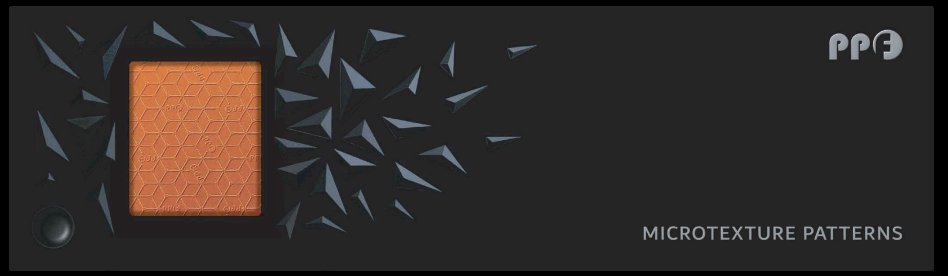




MICRO



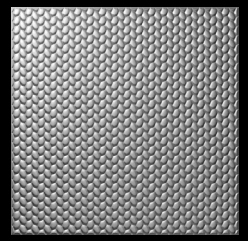


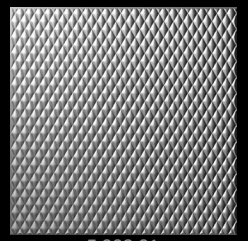


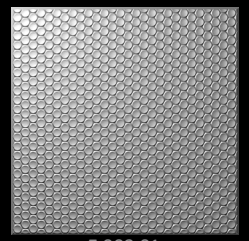
ENGRAVED DIES

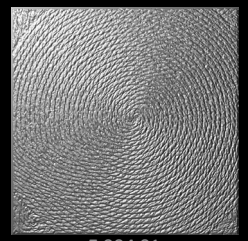
DEEP TEXTURE

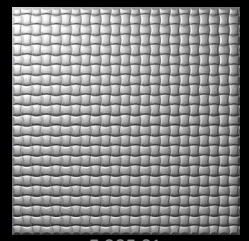
PATTERNS

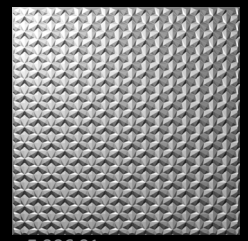

E 001 01

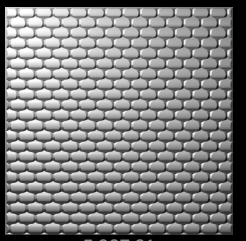

E 002 01

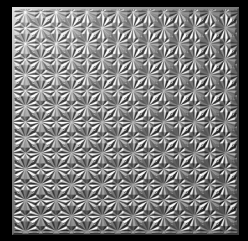

E 003 01

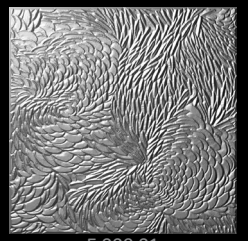

E 004 01

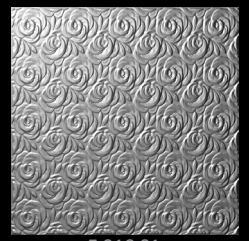

E 005 01


E 006 01

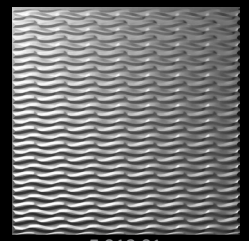

E 007 01


E 008 01

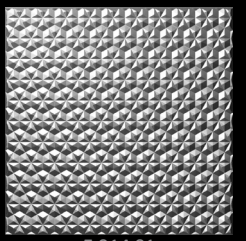

E 009 01

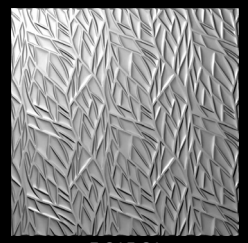

E 010 01


E 011 01

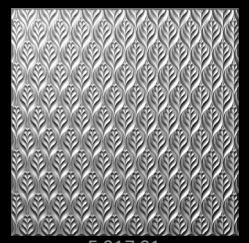

E 012 01

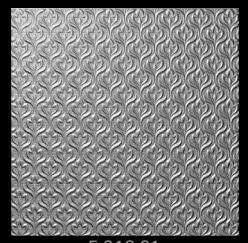

E 013 01

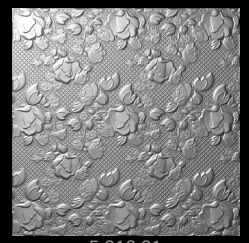

E 014 01

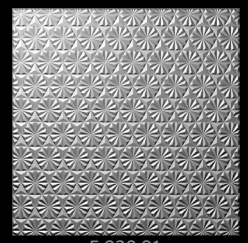

E 015 01

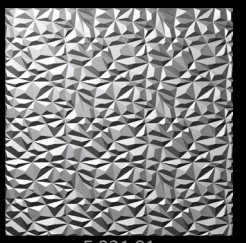

E 016 01

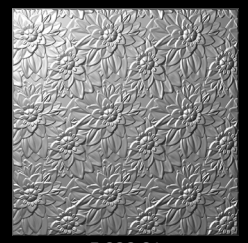

E 017 01

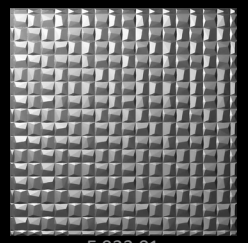

E 018 01

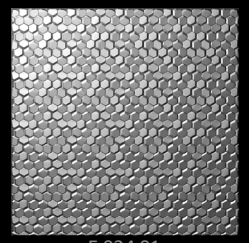

E 019 01

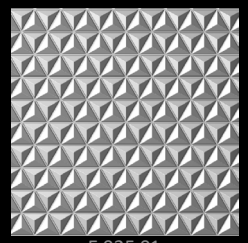

E 020 01


E 021 01


E 022 01


E 023 01

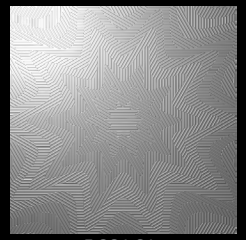

E 024 01

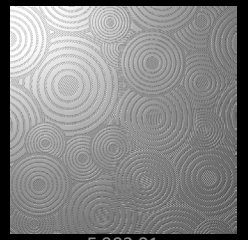

E 025 01

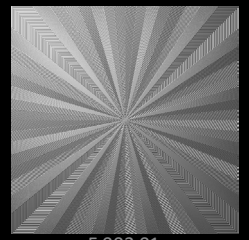
ENGRAVED DIES

MICROTEXTURE

PATTERNS

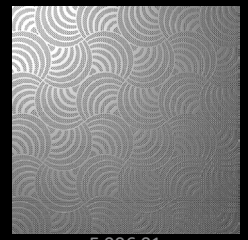

F 001 01

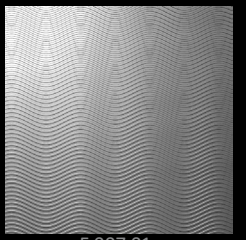

F 002 01

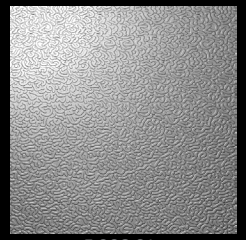

F 003 01


F 004 01


F 005 01

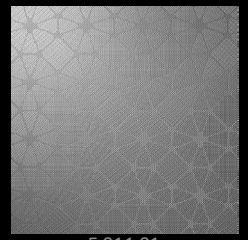

F 006 01

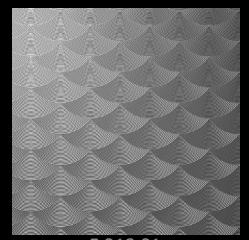

F 007 01

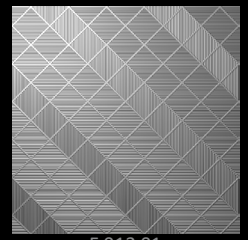

F 008 01

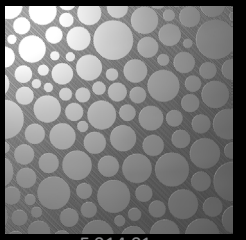

F 009 01

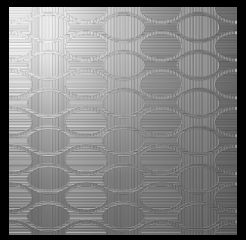

F 010 01

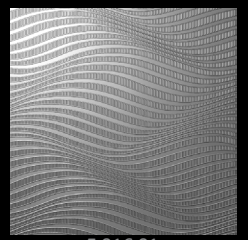

F 011 01

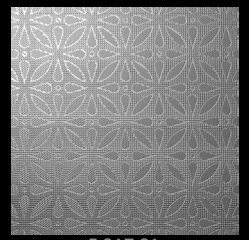

F 012 01

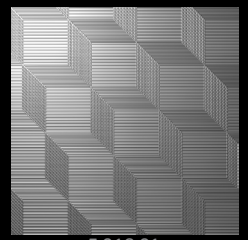

F 013 01

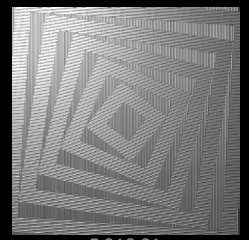

F 014 01

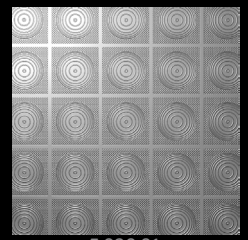

F 015 01

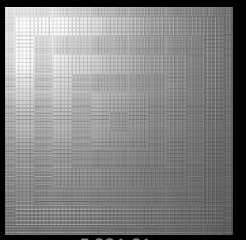

F 016 01


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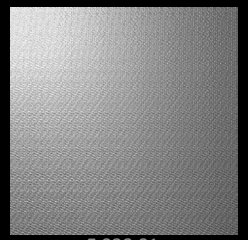

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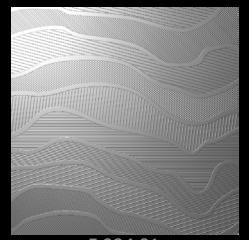

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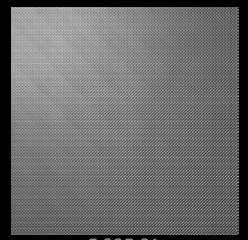

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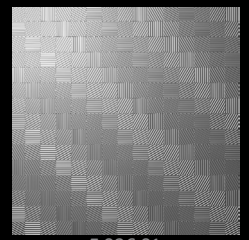

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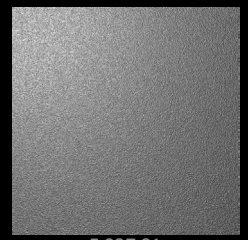

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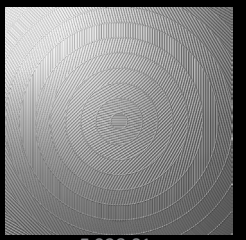

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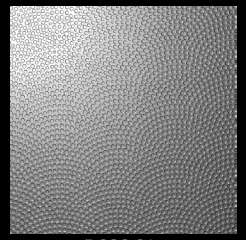

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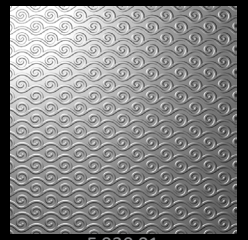

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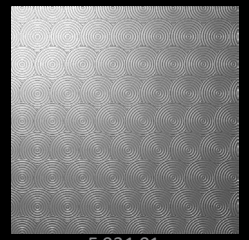
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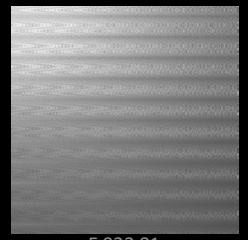
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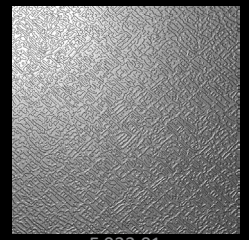
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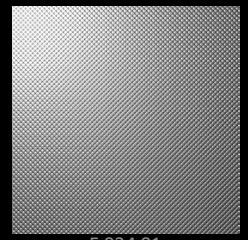

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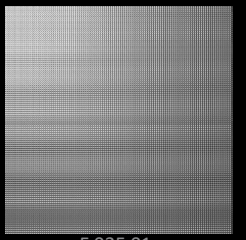

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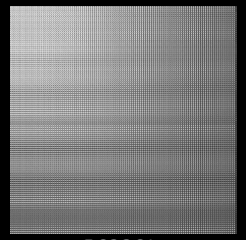

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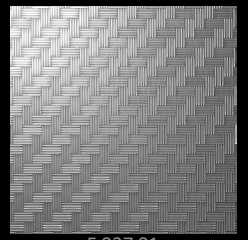

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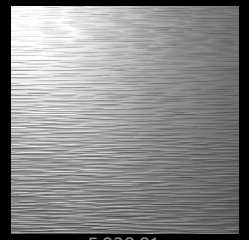

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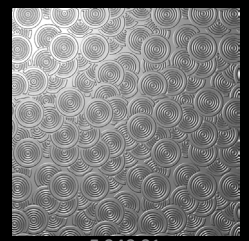

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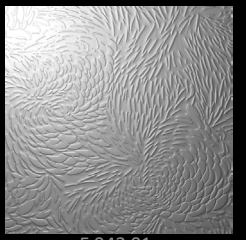

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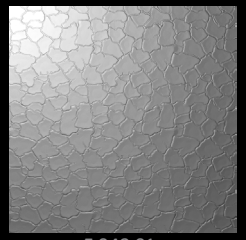

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F 039 01


F 040 01


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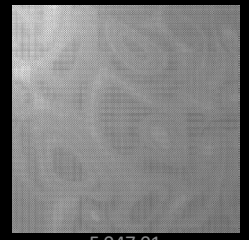

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F 043 01

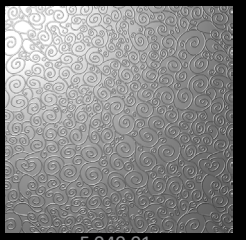

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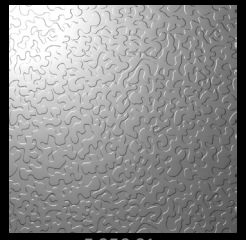

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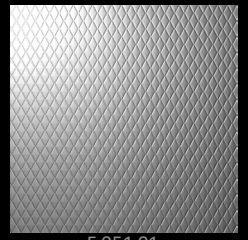

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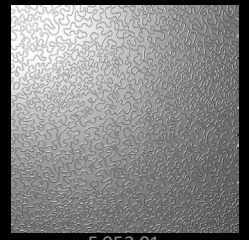

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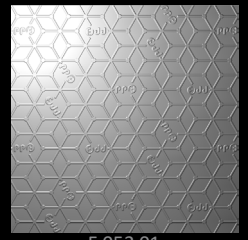

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F 050 01


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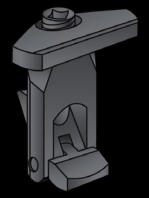

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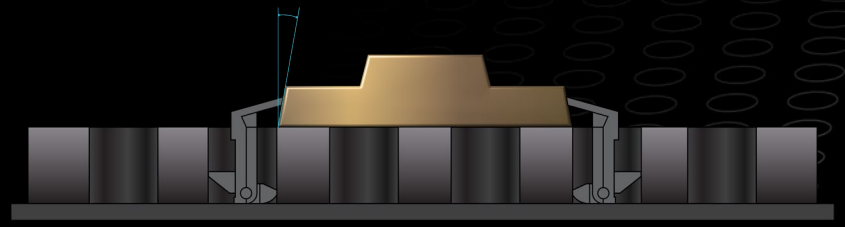
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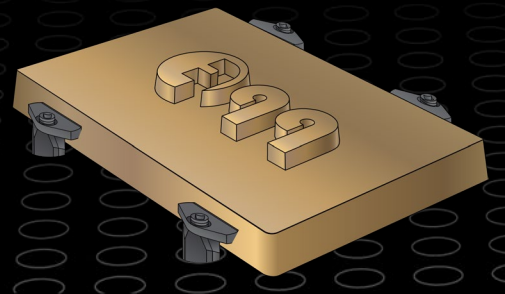
MOUNTING METHODS

SIDE-CLAMP

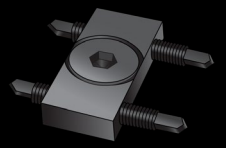
TOGGLE HOOKS

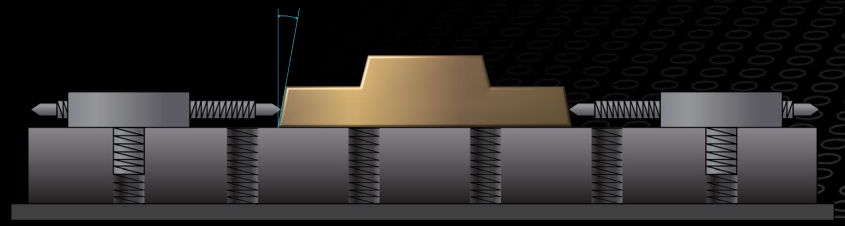


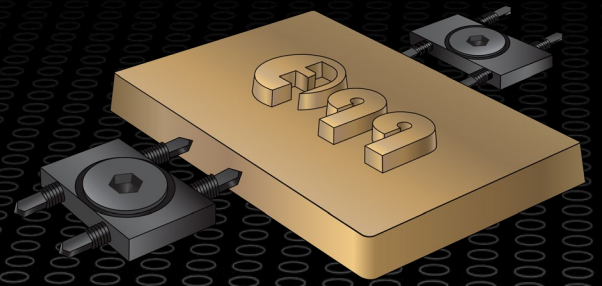




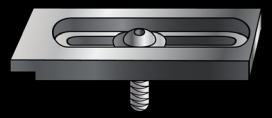
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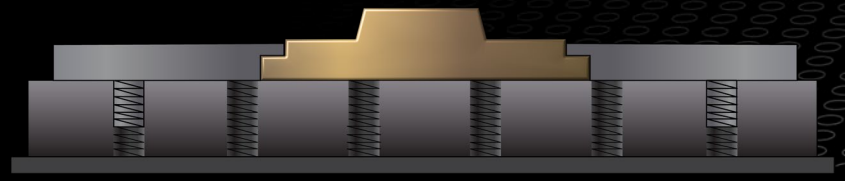


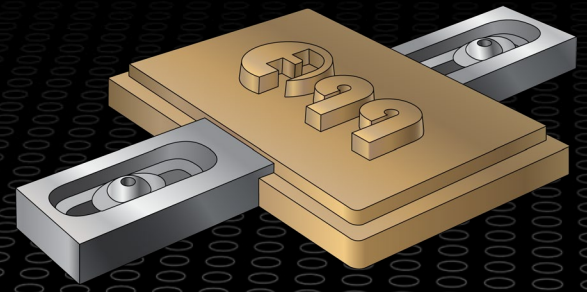




CLAMP



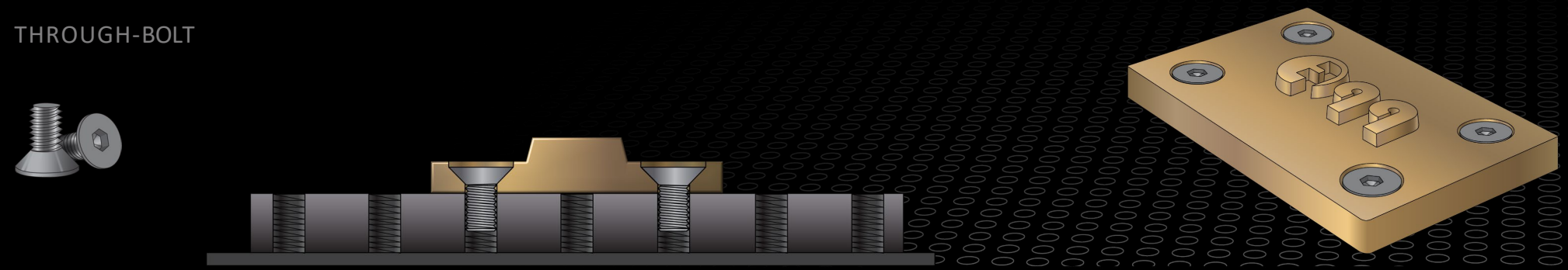




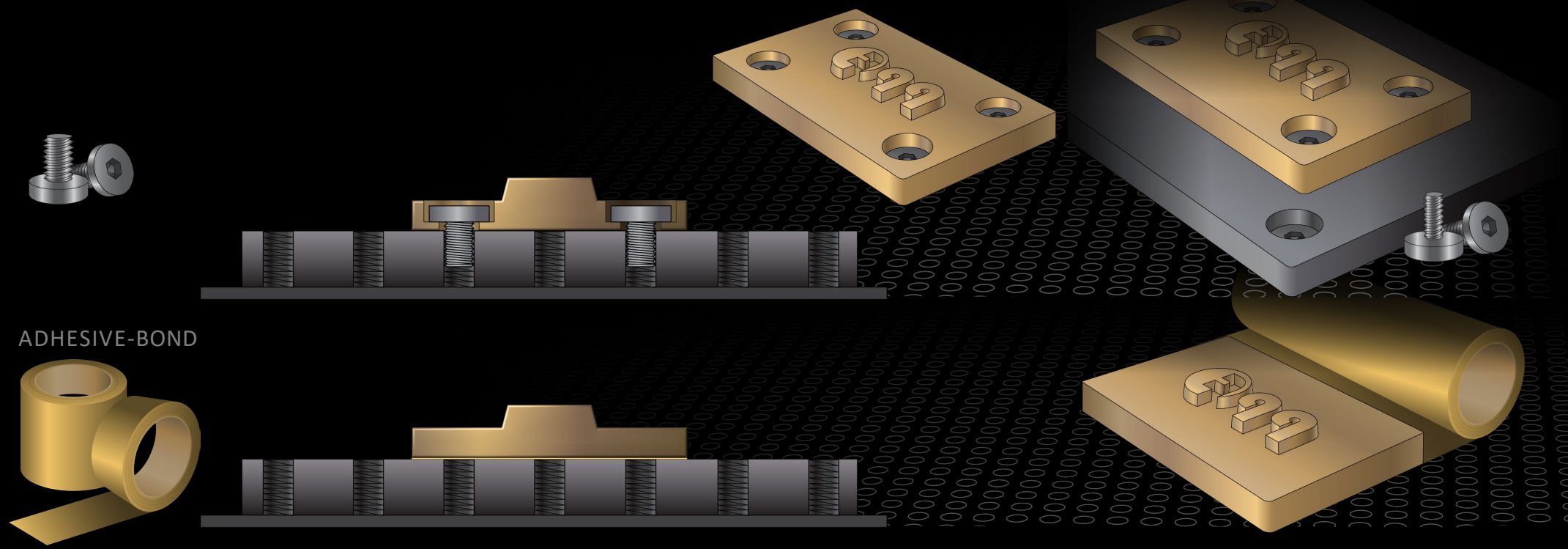
ENGRAVED DIES

MOUNTING METHODS

THROUGH-BOLT



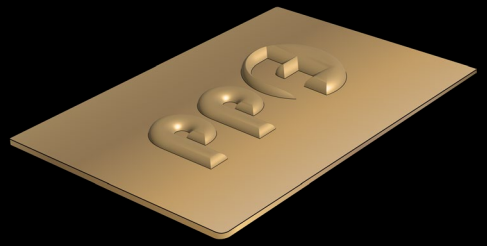
ADHESIVE-BOND



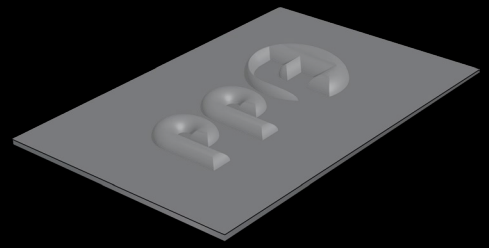
COUNTER DIES FOR ENGRAVED DIES

TYPE BY MANUFACTURING METHOD

ENGRAVED



MOLDED



MOLD

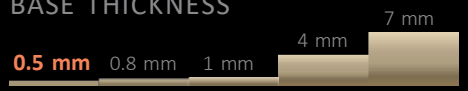


MATERIAL & THICKNESS

BRASS

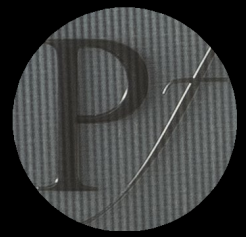


BASE THICKNESS



STANDARD THICKNESS **0.5 mm**

FIBERGLASS



BASE THICKNESS



SURFACE TREATMENT

NICKEL COATING

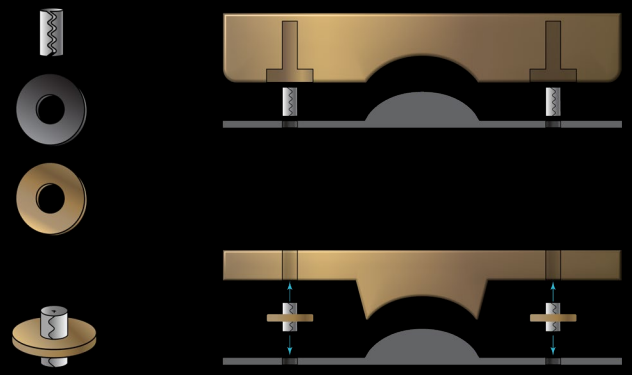


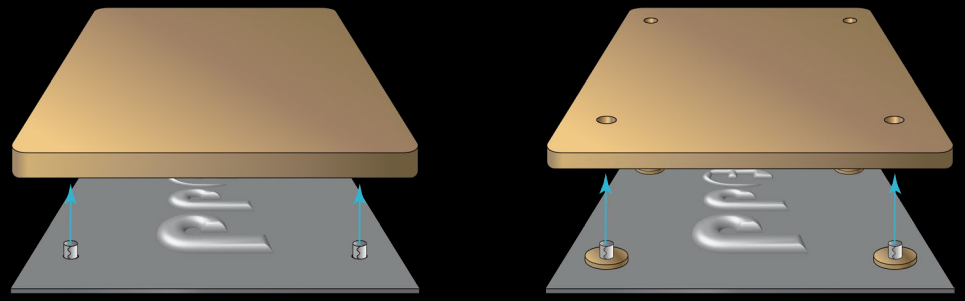
SAMPLE

COUNTER DIES FOR ENGRAVED DIES

TRANSFER SYSTEM

PINS



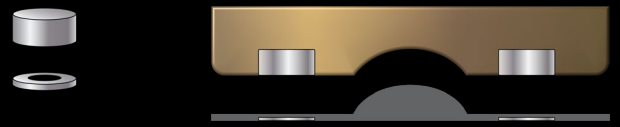


PLIERS FOR HANDLING PLASTIC COUNTER DIE PINS



MAGNETIC

AVAILABLE FOR EMBOSSING ONLY





ETCHED DIES

TYPE BY PROCESS

HOT STAMPING



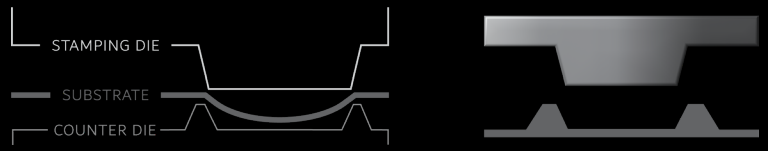
EMBOSSING



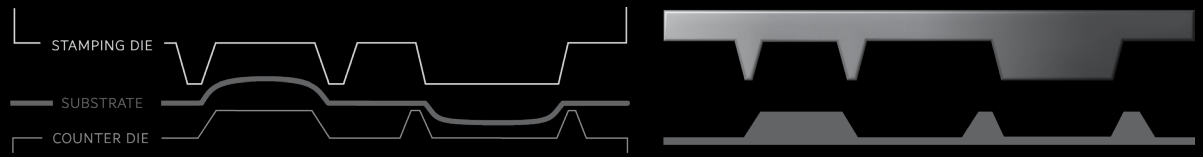
DEBOSSING W/O COUNTER DIE



DEBOSSING



COMBINED



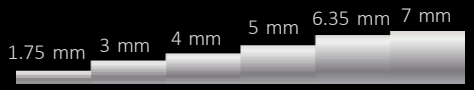
ETCHED DIES

MATERIAL & THICKNESS

MAGNESIUM



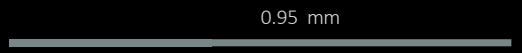
THICKNESS

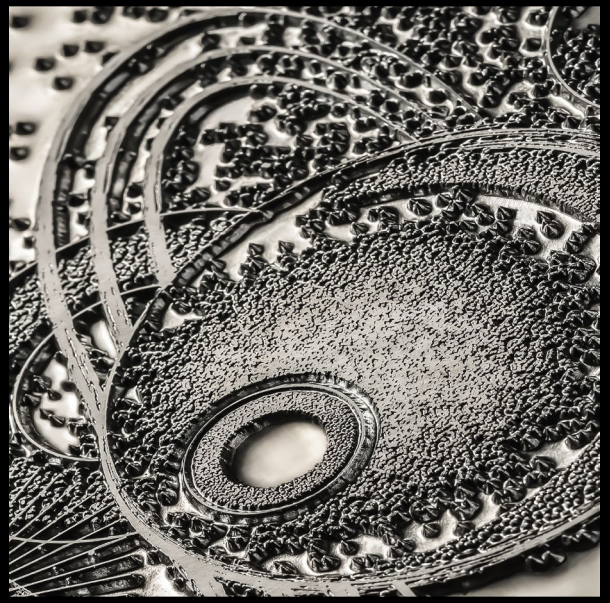


PHOTOPOLYMER



THICKNESS











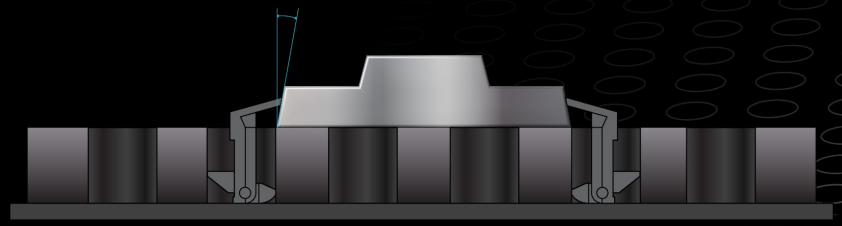
ETCHED DIES

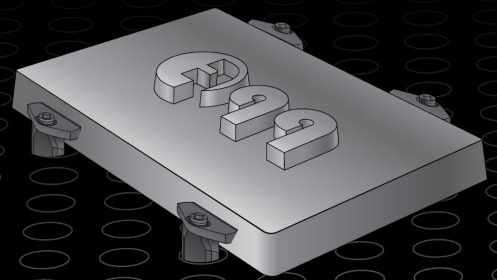
MOUNTING METHODS

SIDE-CLAMP

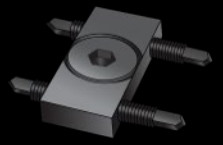
TOGGLE HOOKS

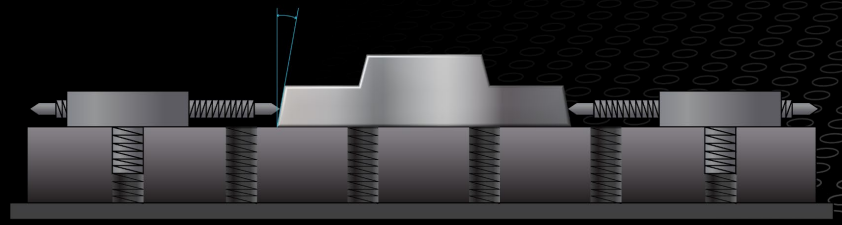


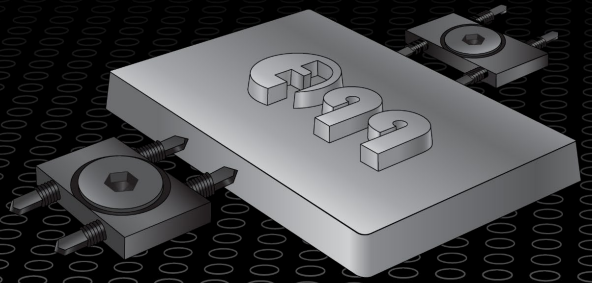




BUNTER POST

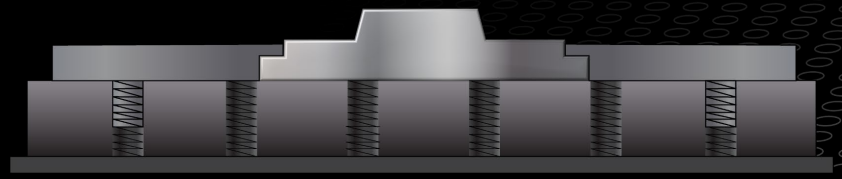


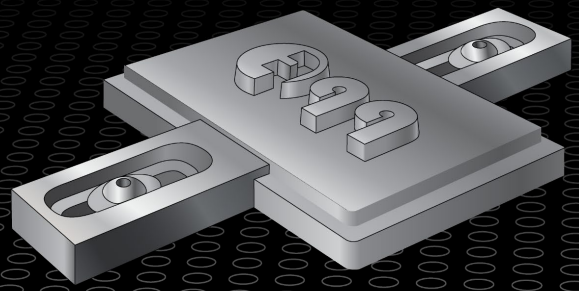




CLAMP



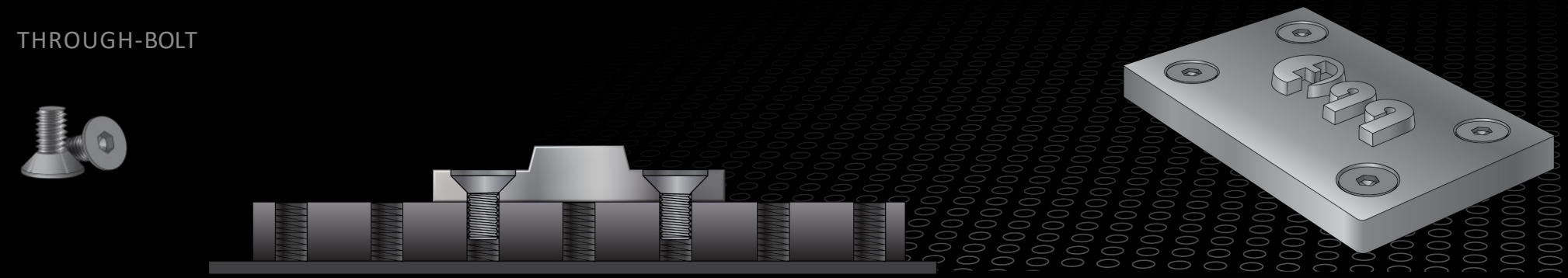




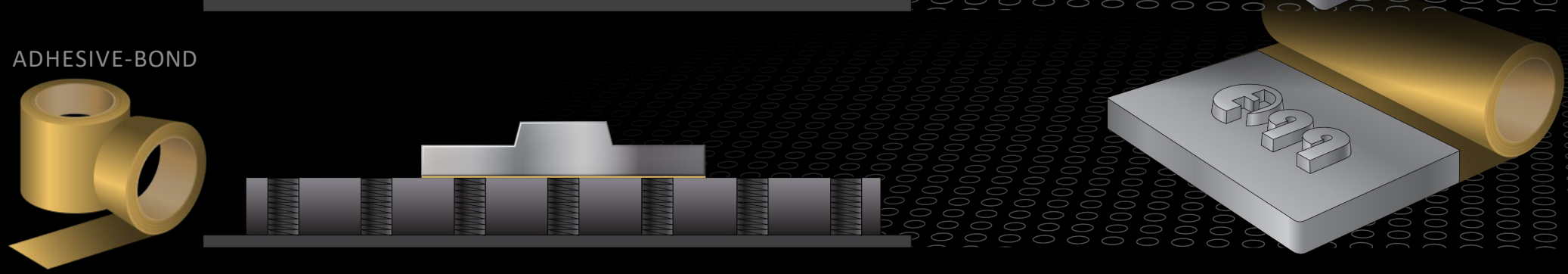
ETCHED DIES

MOUNTING METHODS

THROUGH-BOLT



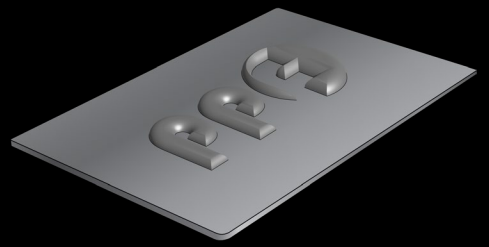
ADHESIVE-BOND



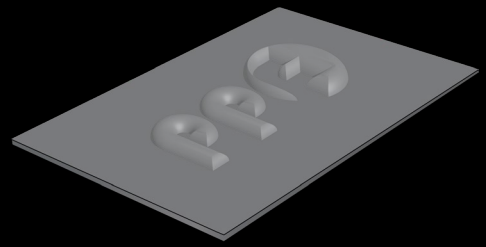
COUNTER DIES FOR ETCHED DIES

TYPE BY MANUFACTURING METHOD

ETCHED



MOLDED



MATERIAL & THICKNESS

MAGNESIUM

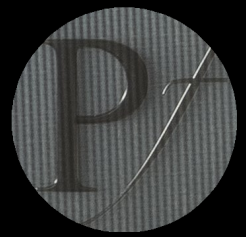


THICKNESS

1.75 mm

3 mm

FIBERGLASS



BASE THICKNESS

0.3 mm

0.5 mm

0.8 mm

1 mm

PHOTOPOLYMER



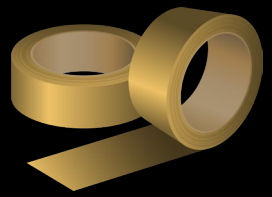
THICKNESS

0.95 mm

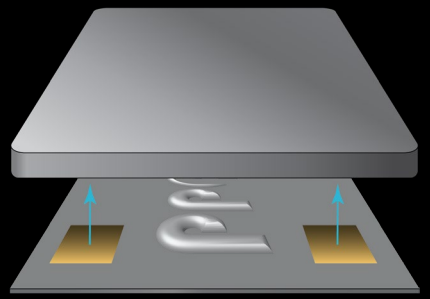
COUNTER DIES FOR ETCHED DIES

TRANSFER SYSTEM

ADHESIVE TAPES



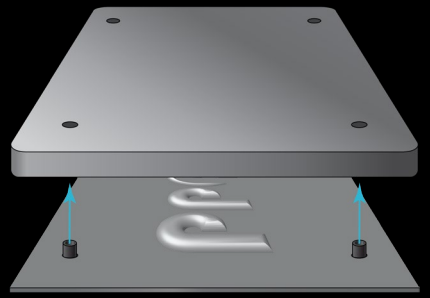




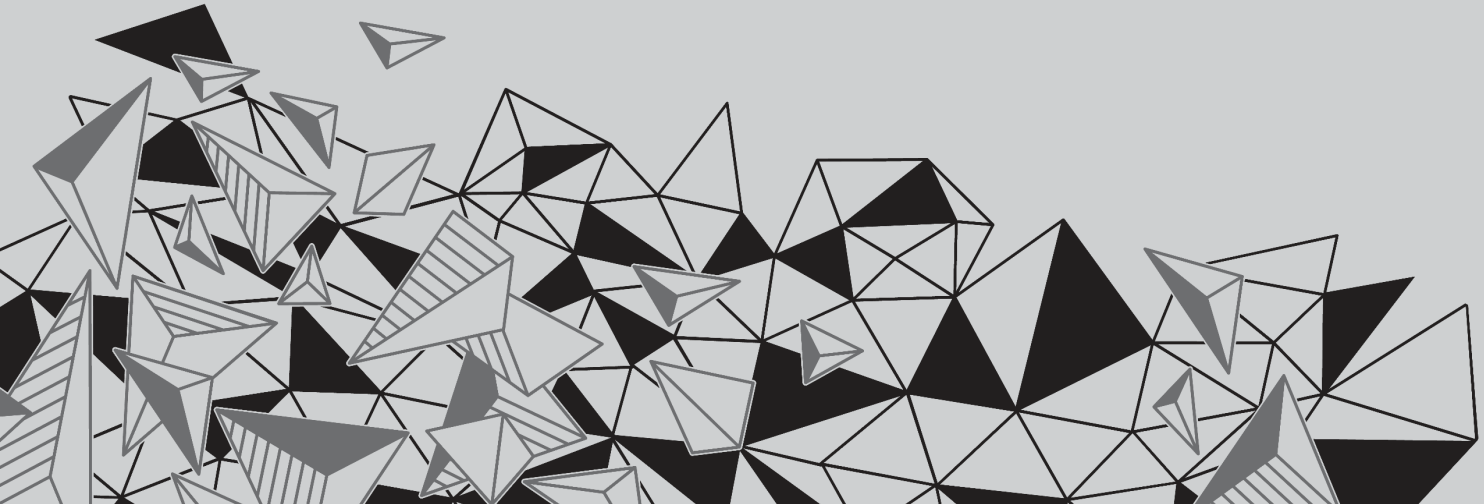
PINS







SMART SOLUTIONS

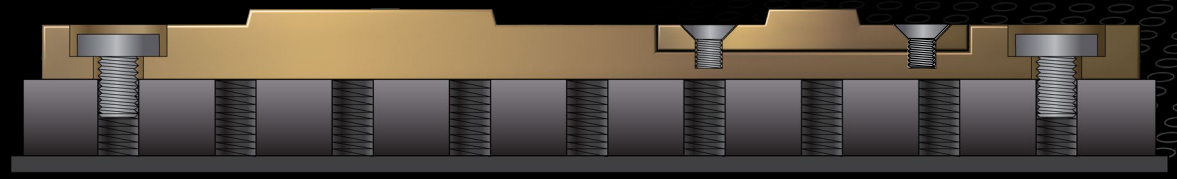


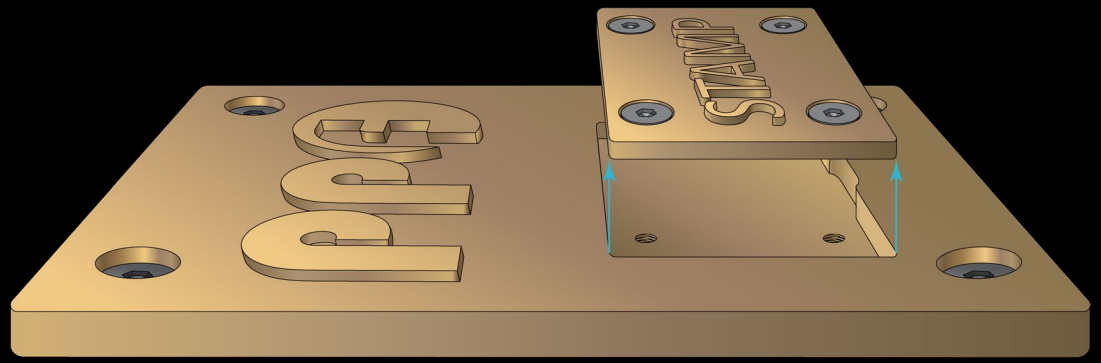
INSERT DIE SYSTEM

TYPE BY ROLE

MASTER DIE

INSERT DIE

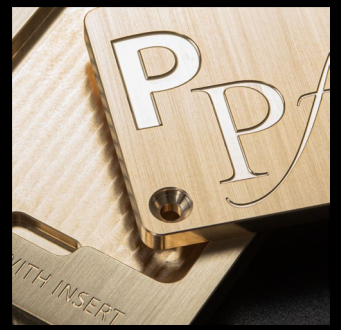




SCREWDRIVER







MATERIAL & THICKNESS

MASTER DIE

BRASS



THICKNESS

6.35 mm

7 mm

INSERT DIE



THICKNESS

4 mm

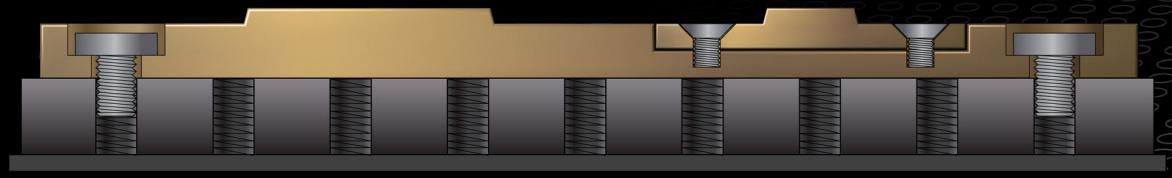
SAMPLE



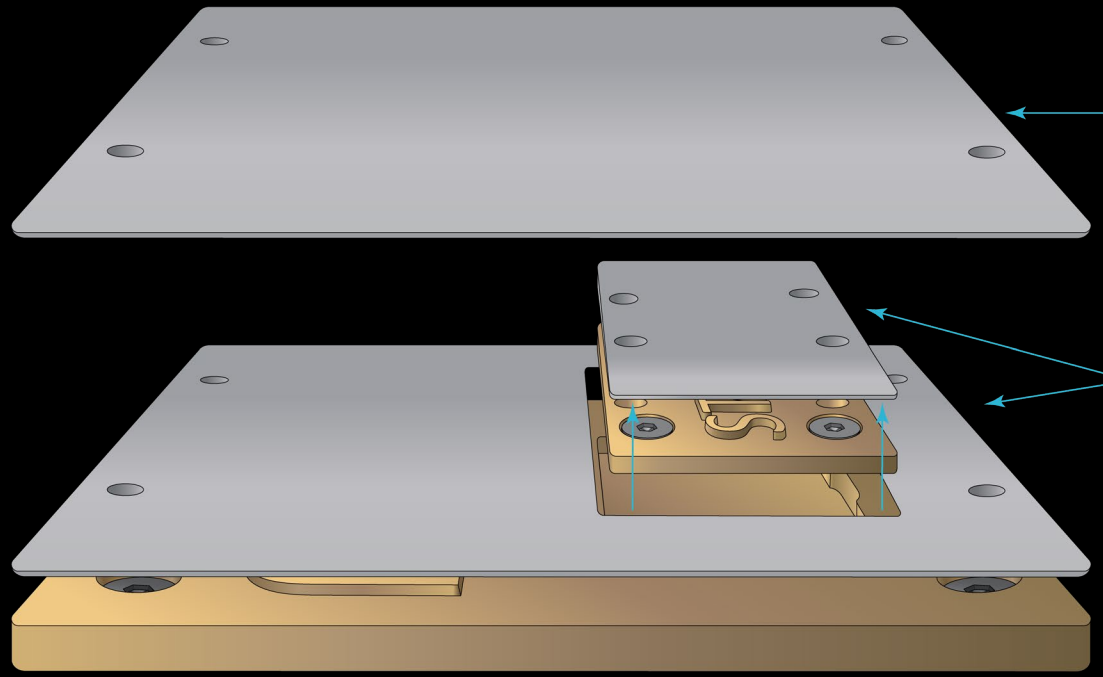
INSERT DIE SYSTEM

COUNTER DIE FOR INSERT SYSTEM

MASTER DIE



INSERT DIE



SINGLE COUNTER DIE FOR MASTER AND **NON-EMBOSSING** INSERT DIES.

SEPARATE COUNTER DIES FOR MASTER AND **EMBOSSING** INSERT DIES.

MULTITOOL

TYPE BY DIE MOUNTING SYSTEM

THIN PLATE SYSTEM

1. The **hot stamping die** cannot be placed inside the **embossing die** due to the lack of proper **fastening**.
2. The **brass die** should be able to cover the entire contour of the **Multitool** die on all sides, considering fastening constraints.

JOBSAVER

1. Ensure at least a few **16 mm-diameter** spaces for **fastening** the dies.

ARTWORK LIMITATIONS

1. Minimum gap between hot stamping and emboss/deboss design elements – **2 mm**
2. Max Multitool die area – **200 cm²**
3. Minimum width of design elements – **3x the substrate thickness**

USAGE RECOMMENDATIONS

For debossing substrate thinner than 0.3 mm, we recommend using a counter die or a rubber blanket.

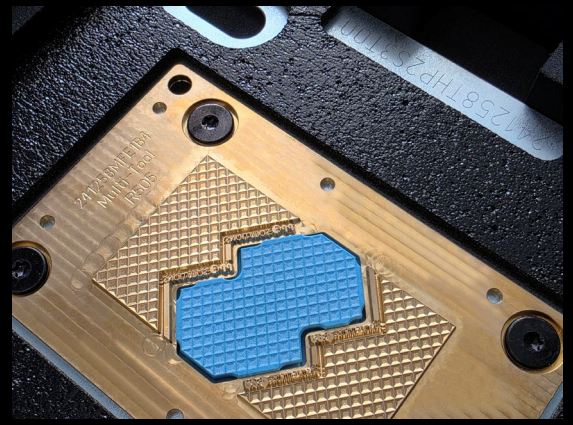
Two runs (1.HFS & 2.Emboss) replaced by **one** Multitool run (HFS & Emboss in the same pass) – **Easier planning – Lower costs.**

Improved registration accuracy embossing to hot stamping compared to separate processes.

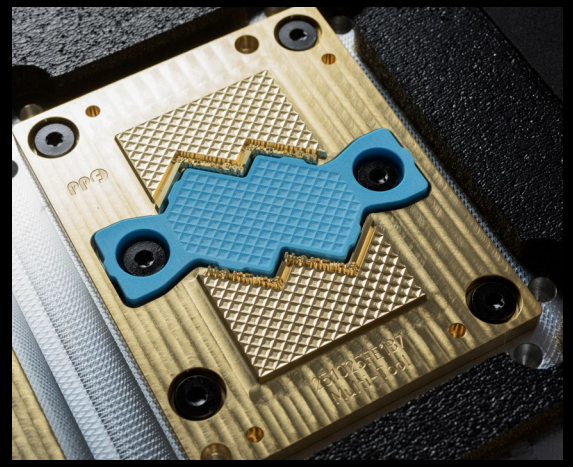
Multitool offers **improved registration accuracy** for **embossing** compared to inline die cutting or second-pass processes.

For the **Thin Plate** system, we recommend using **Lock-plates** for **easier** setup on repeat jobs

THP



JSP

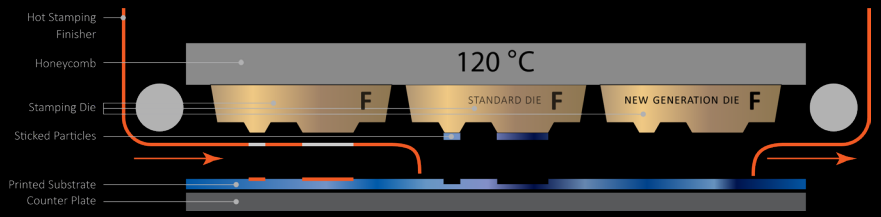


VELOCITY

NEW GENERATION – VELOCITY DIE

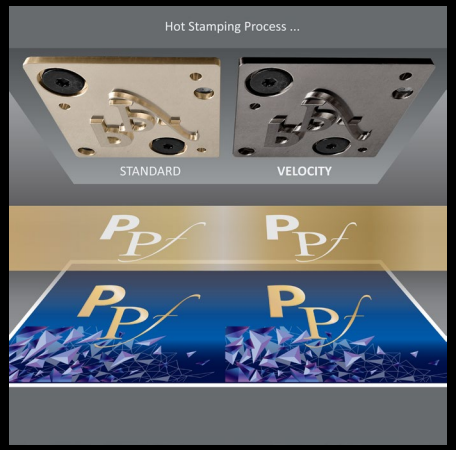


HOT STAMPING DIE WORK SCHEME



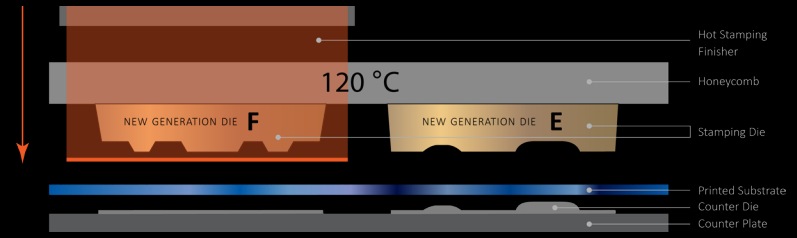
VIEW FROM THE SIDE

STAMPING DIE WON'T STICK TO PRINTED SUBSTRATE AND YOU WILL SAVE 30-45 MINUTES AVOIDING DIE CLEANING.



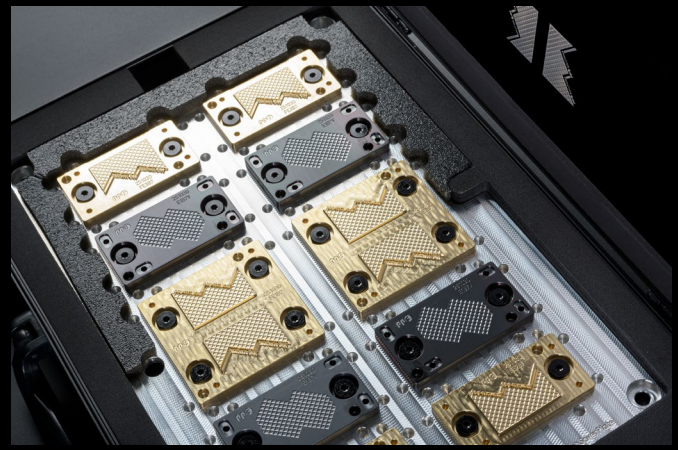


HOT STAMPING AND EMBOSSING DIE WORK IN ONE RUN

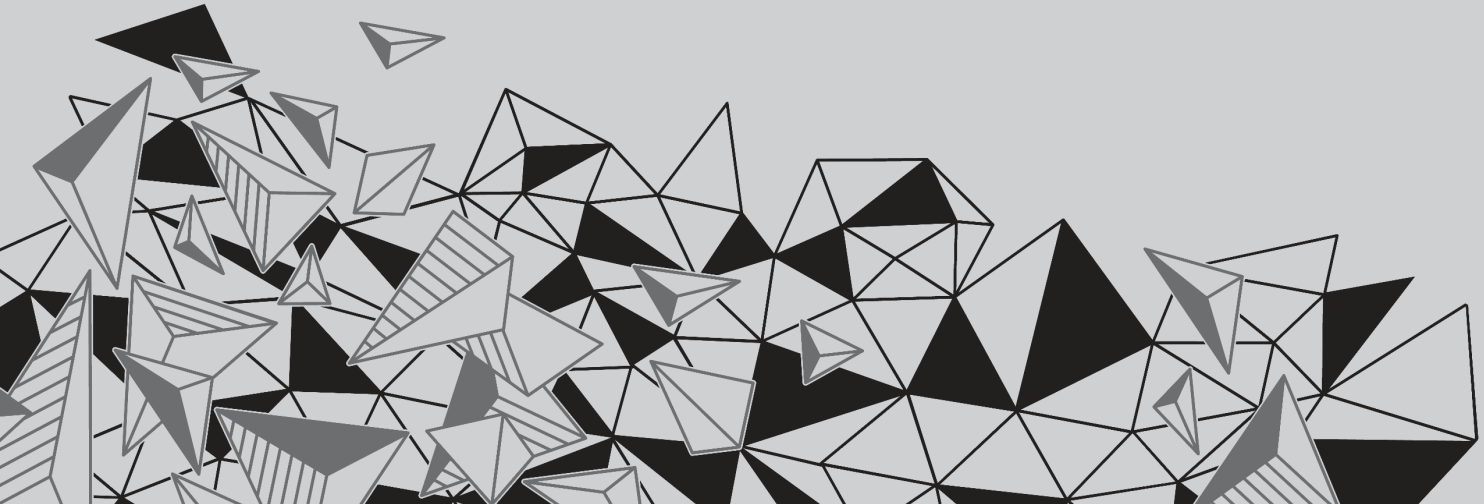


VIEW FROM THE FRONT

BLIND EMBOSSING CAN BE EASILY PERFORMED TOGETHER WITH HOT STAMPING USING THESE DIES.



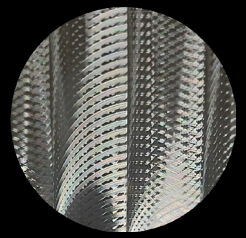
DIE MOUNTING SYSTEMS



JOBSAVER PLATE

MATERIAL & THICKNESS

ALUMINIUM



CORROSION-PROTECTED STEEL



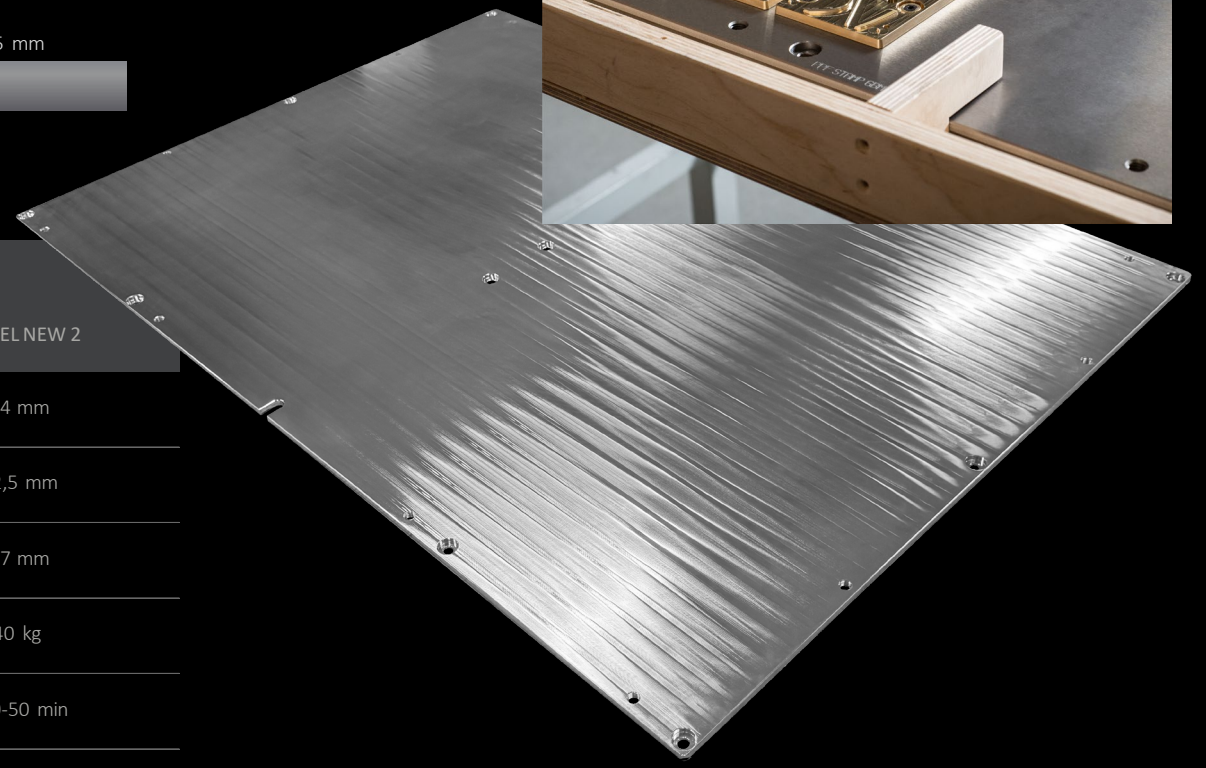
THICKNESS



THICKNESS







FEATURES	JSP			
	STEEL	ALUMINIUM	STEEL NEW 1	STEEL NEW 2
THICKNESS	6,5 mm	6,5 mm	3 mm	4 mm
COMPENSATING PLATE	X	X	3,5 mm	2,5 mm
DIE THICKNESS	7 mm	7 mm	7 mm	7 mm
APPROX. WEIGHT WITH DIES	53 kg	27 kg	33 kg	40 kg
PREPARATION TIME TILL WORKING TEMPERATURE	30-50 min	10-15 min	30-50 min	30-50 min

THIN PLATE

MATERIAL & THICKNESS

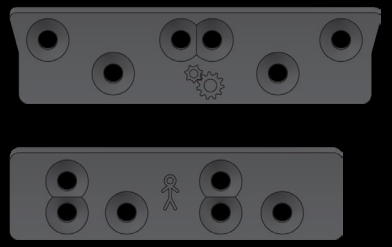
CORROSION-PROTECTED STEEL



THICKNESS

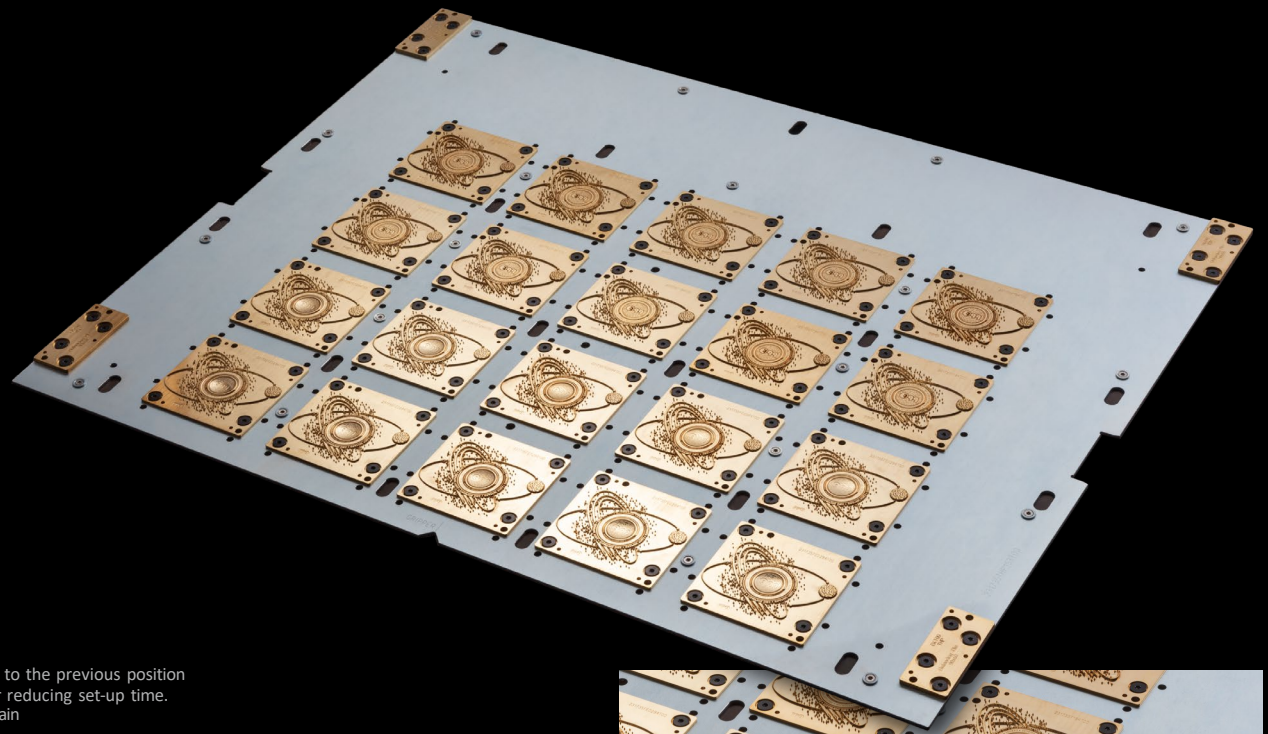


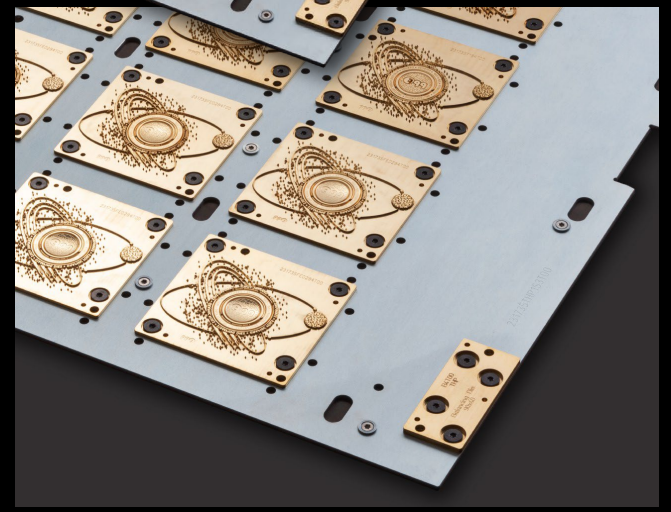
THP LOCK-PLATES



This set of Lock-Plates used to fix THP precisely to the previous position onto the Honeycomb is the perfect solution for reducing set-up time.

- no need to transfer plastic counter dies again
- no need to prepare a new patching sheet

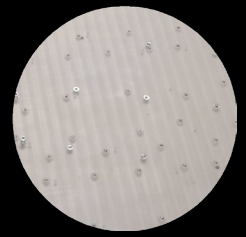




EMBOSSING PLATE

MATERIAL & THICKNESS

PLEXIGLASS



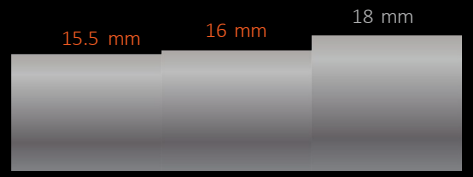
COMPOSITE

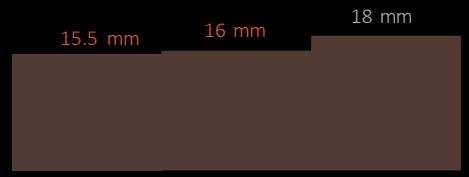


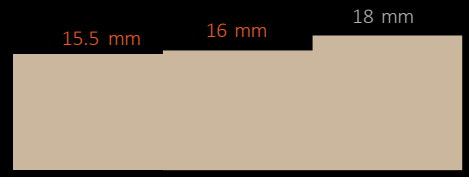
PLYWOOD

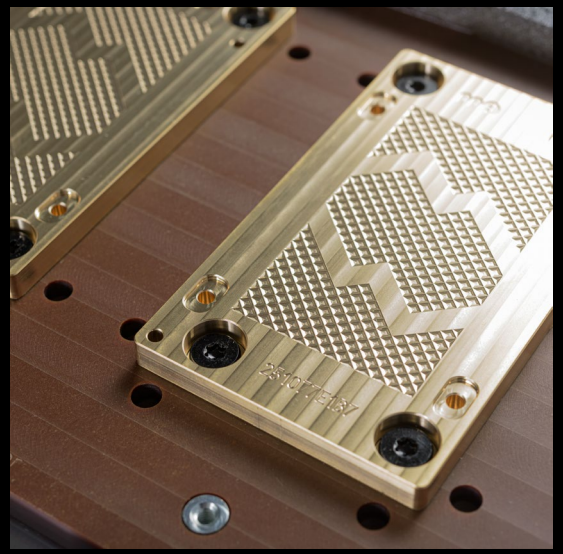


PLATE THICKNESS PLATE THICKNESS UNDER THE DIE





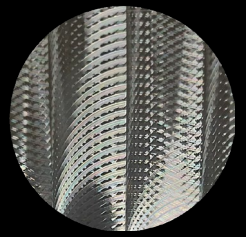




EMBOSSING PLATE

MOUNTING BLOCK

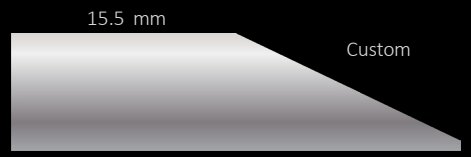
ALUMINIUM



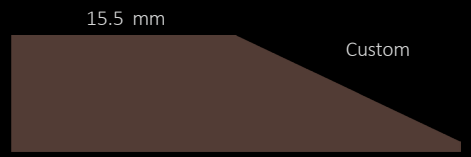
COMPOSITE



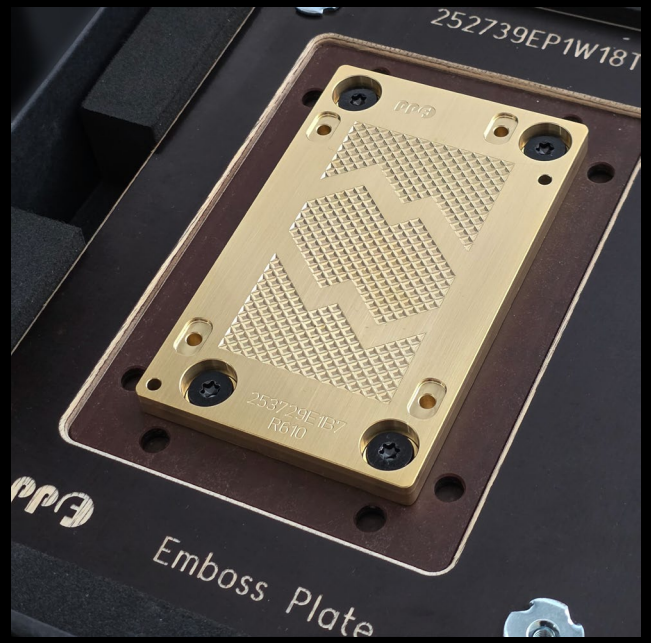
THICKNESS

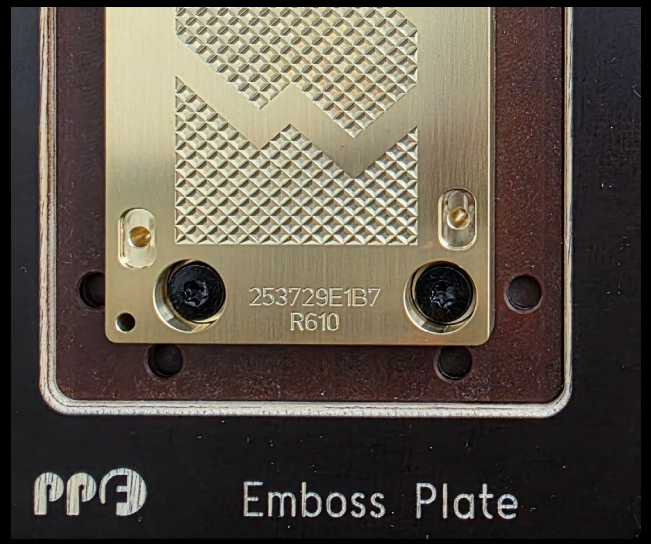


THICKNESS



The thickness under the die is calculated based on the specific technical requirements of the job





COUNTER PLATE

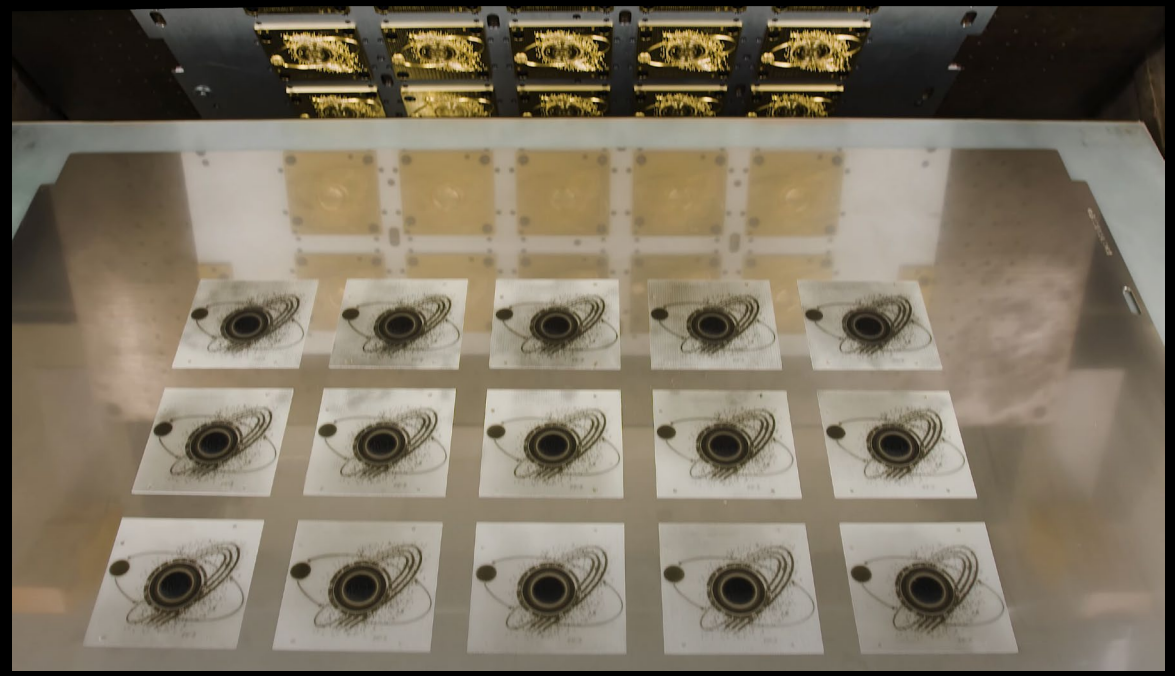
MATERIAL & THICKNESS

STEEL



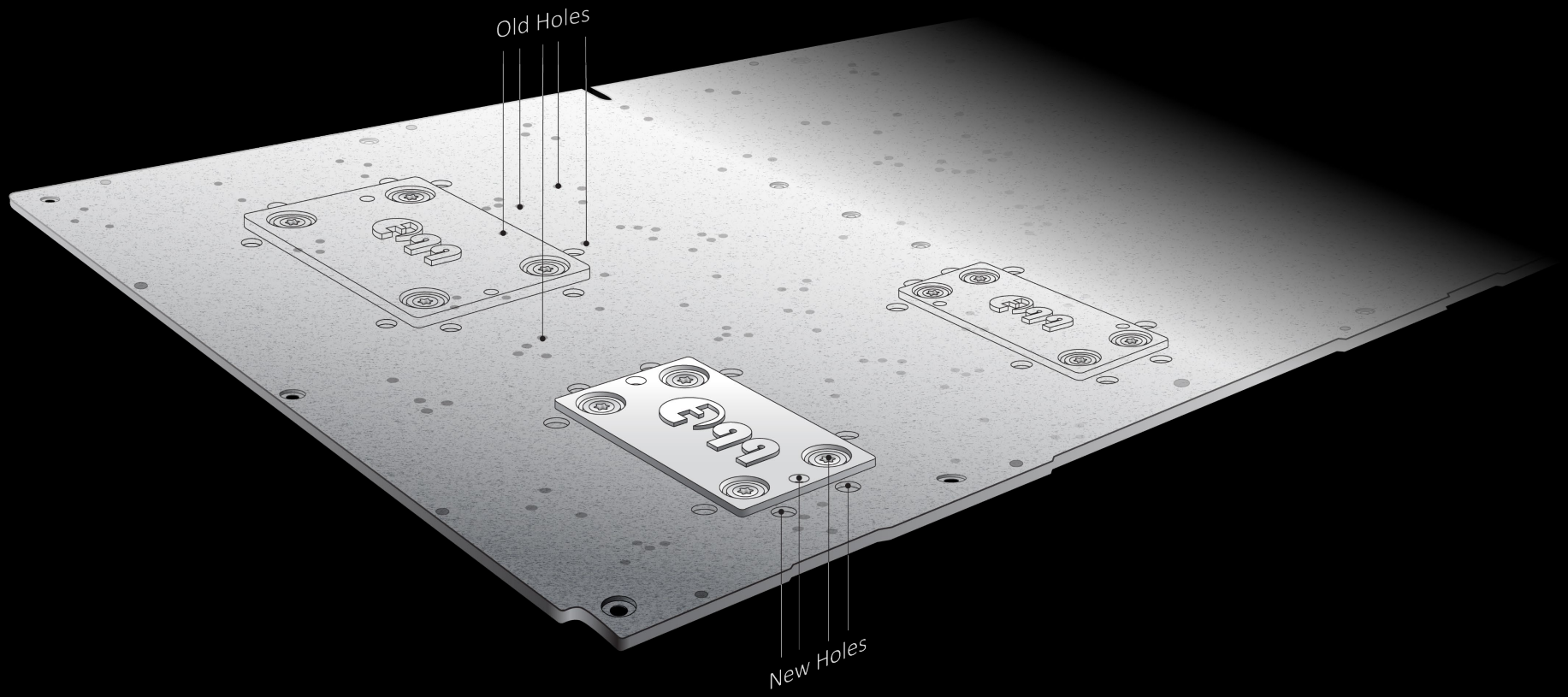
THICKNESS





SAMPLE

...IF YOU DON'T USE IT, RE-USE IT!



Used plates can be reused multiple times, saving customers money and resources while promoting sustainability and reducing waste. Our specialists adapt these panels for new projects, ensuring they meet all quality and functionality standards, providing high-quality, cost-effective, and eco-friendly products. This practice supports a circular economy and responsible resource use, benefiting both our customers and the environment.

DIE ADJUSTMENT SYSTEM

ADJUSTMENT PINS



-9 -9 -9 -9 -9

-8 -8 -8 -8 -8

-7 -7 -7 -7 -7

-6 -6 -6 -6 -6

-5 -5 -5 -5 -5

-4 -4 -4 -4 -4

-3 -3 -3 -3 -3

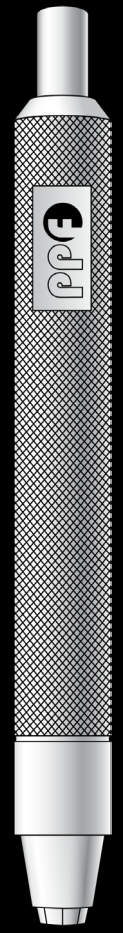
-2 -2 -2 -2 -2

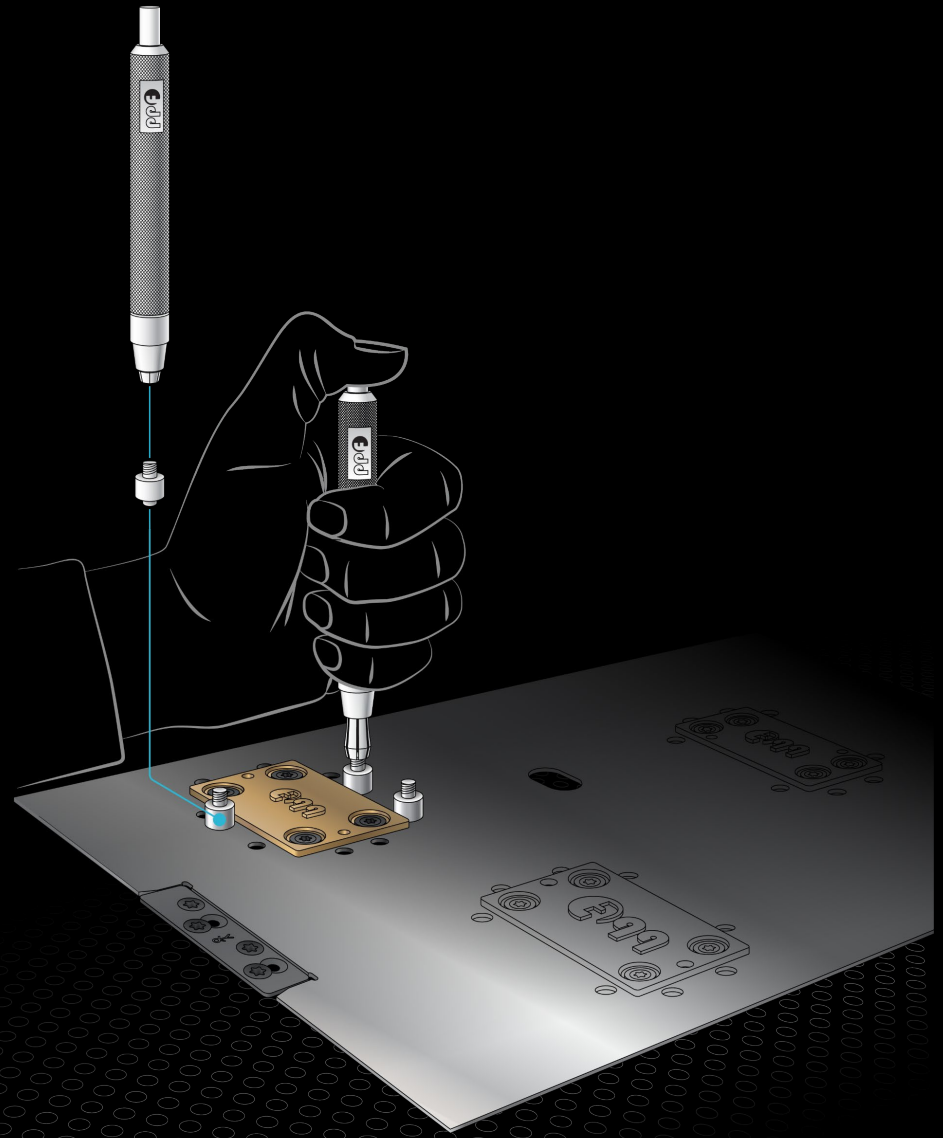
-1 -1 -1 -1 -1

Scale: x 0.1 mm

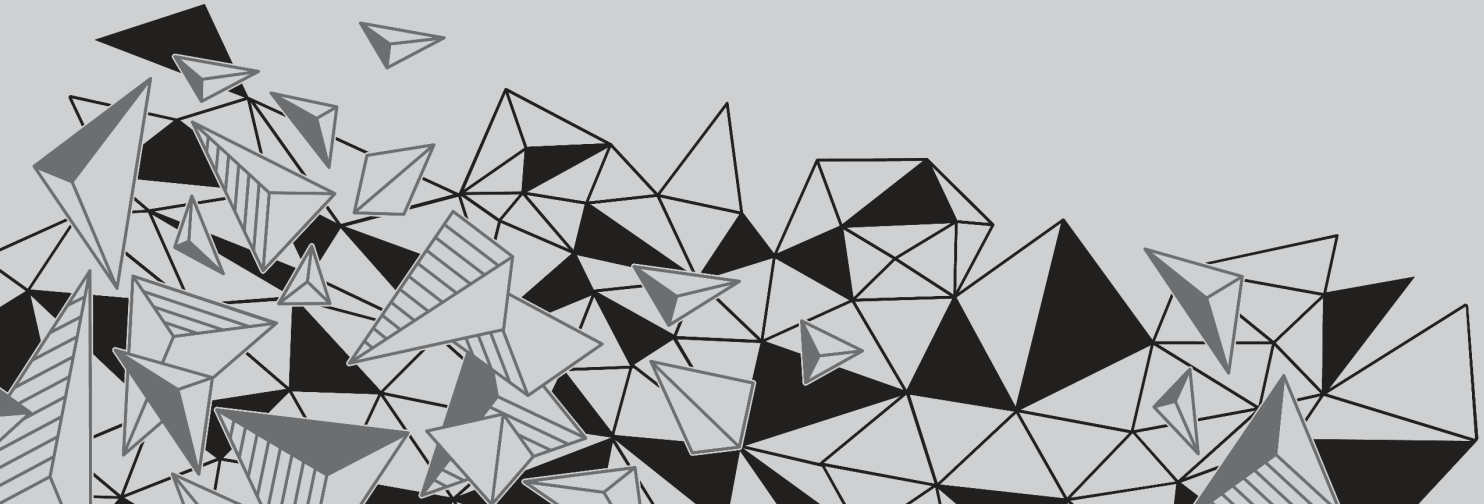
0 0 0 0 0

TOOL FOR HANDLING





TOOLS & ACCESSORIES



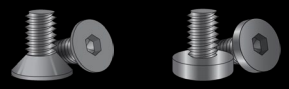
MOUNTING AND POSITIONING

FOR JOB SAVER PLATE

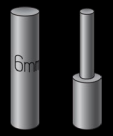
SCREWDRIVER

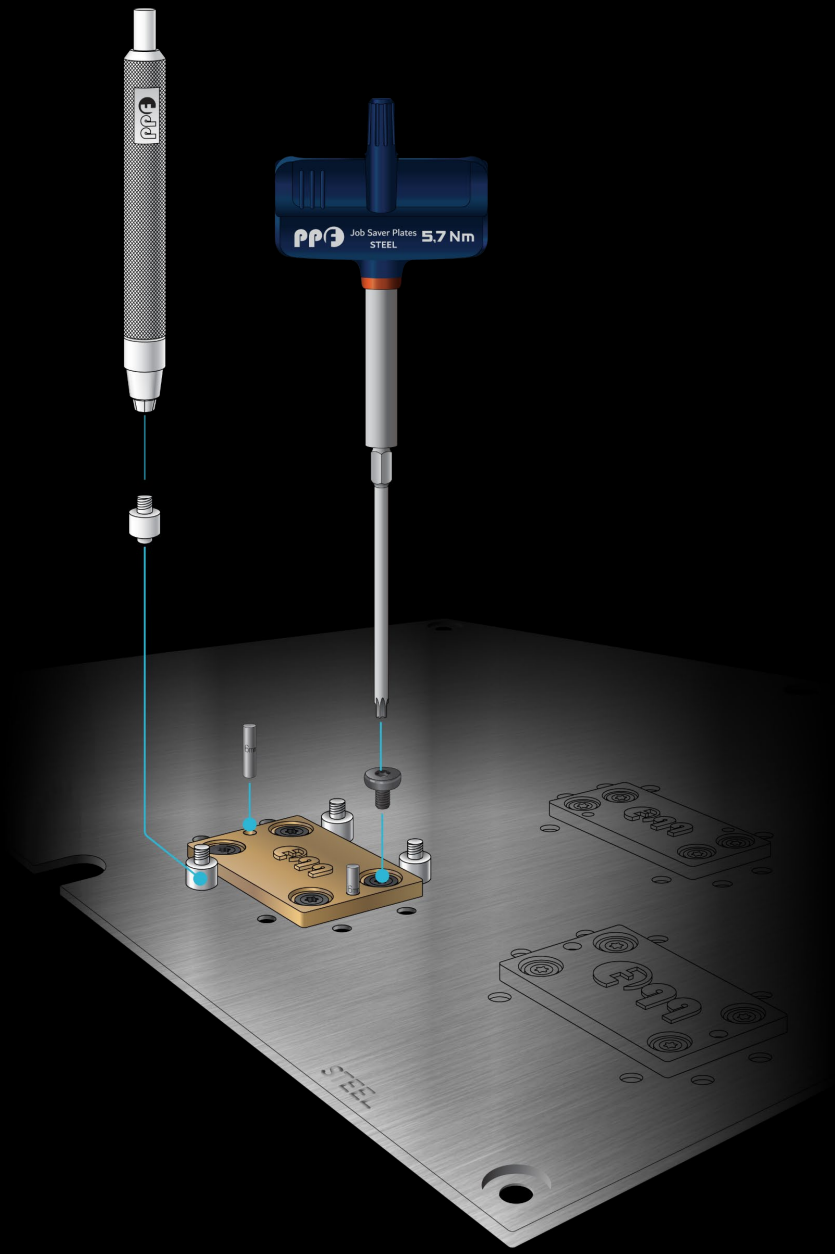


SCREWS



POSITIONING PINS





MOUNTING AND POSITIONING

FOR THIN PLATE

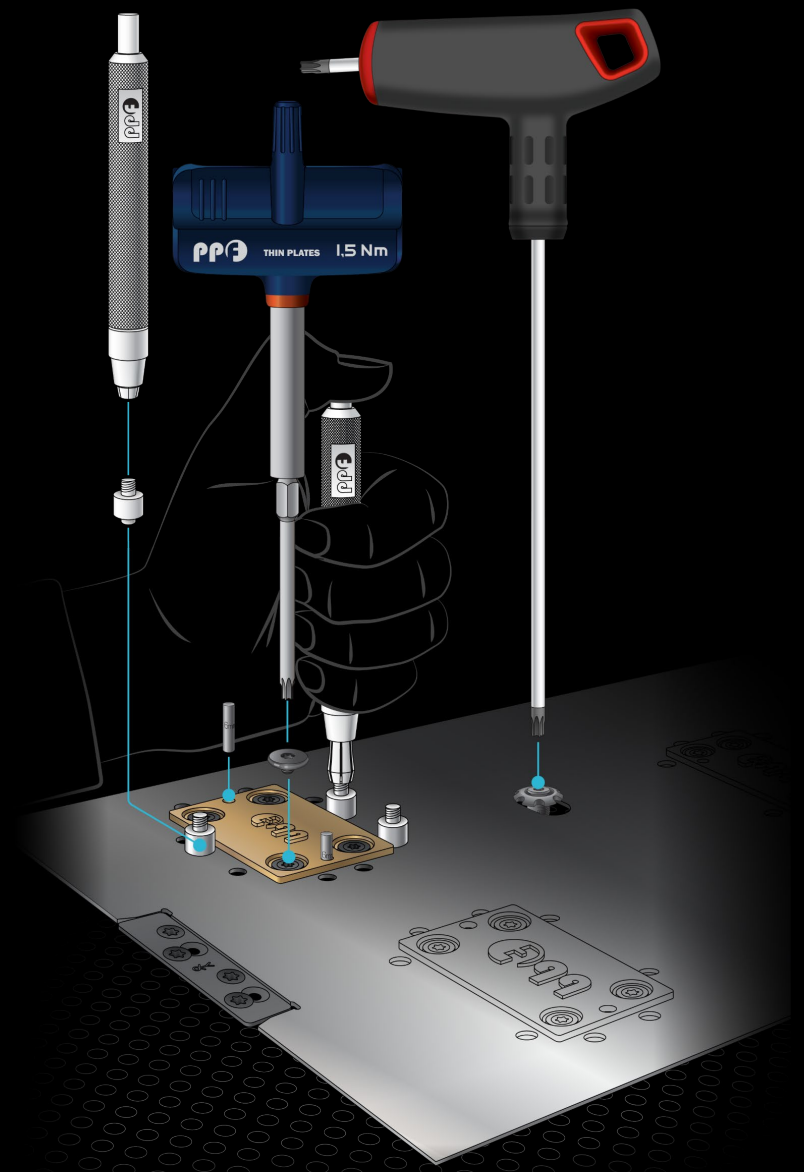
SCREWDRIVER



SCREWS

POSITIONING PINS

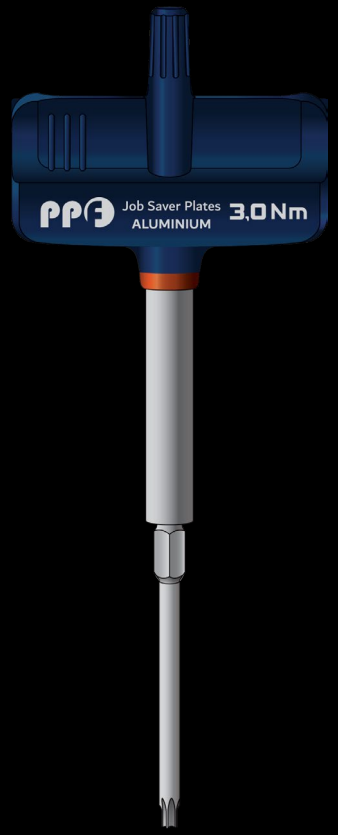




MOUNTING AND POSITIONING

FOR EMBOSSING PLATE

SCREWDRIVER

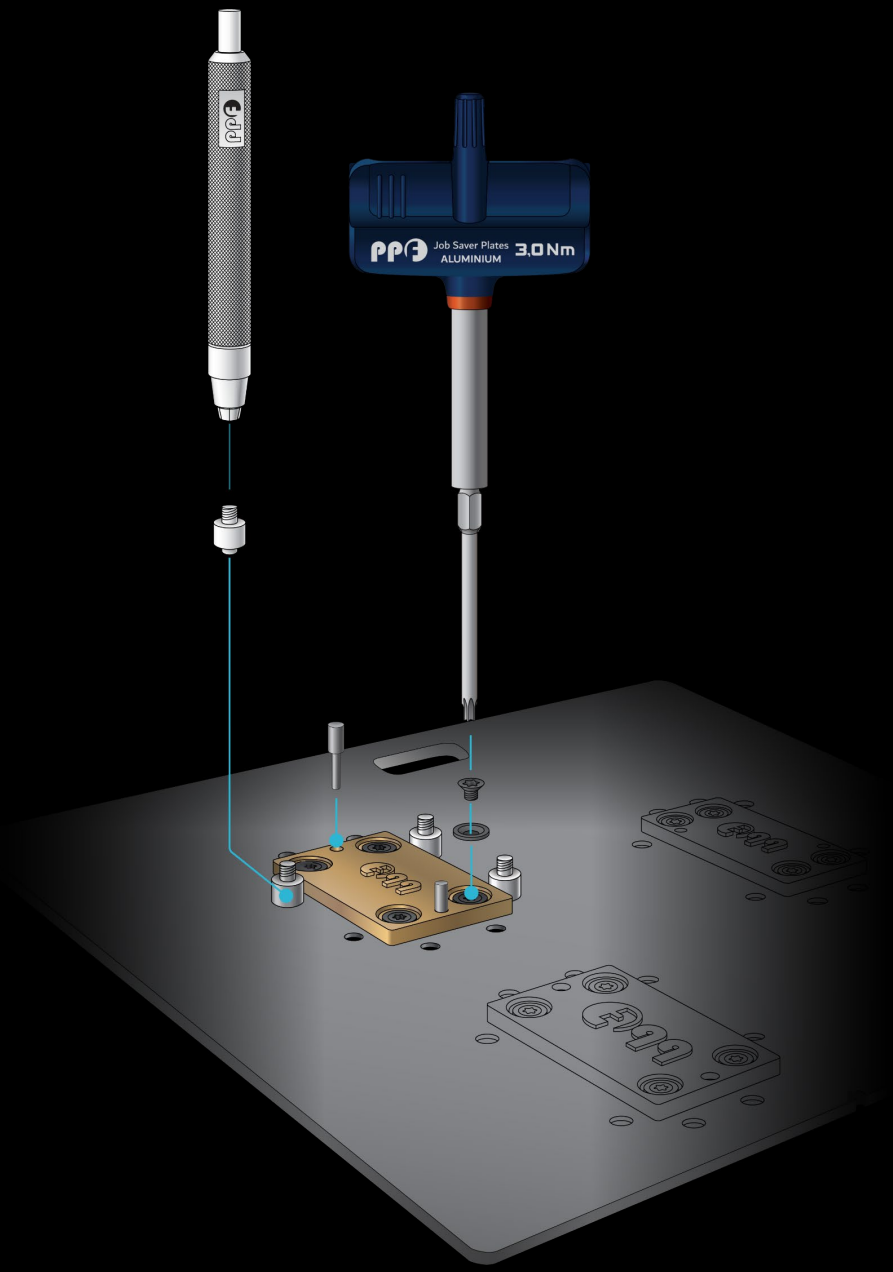


SCREWS



POSITIONING PINS





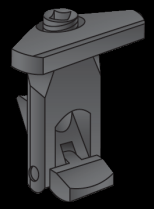
MOUNTING AND POSITIONING

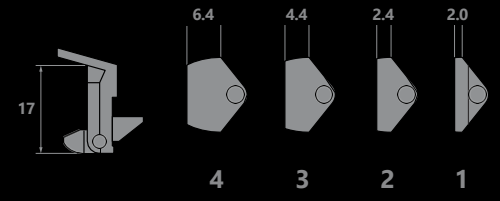
FOR HONEYCOMB

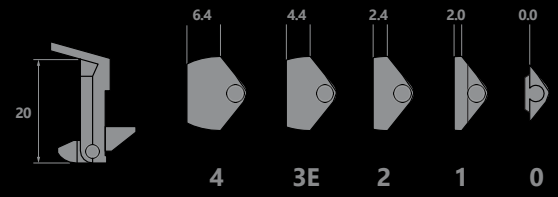
TOGGLE KEY



TOGGLE HOOK







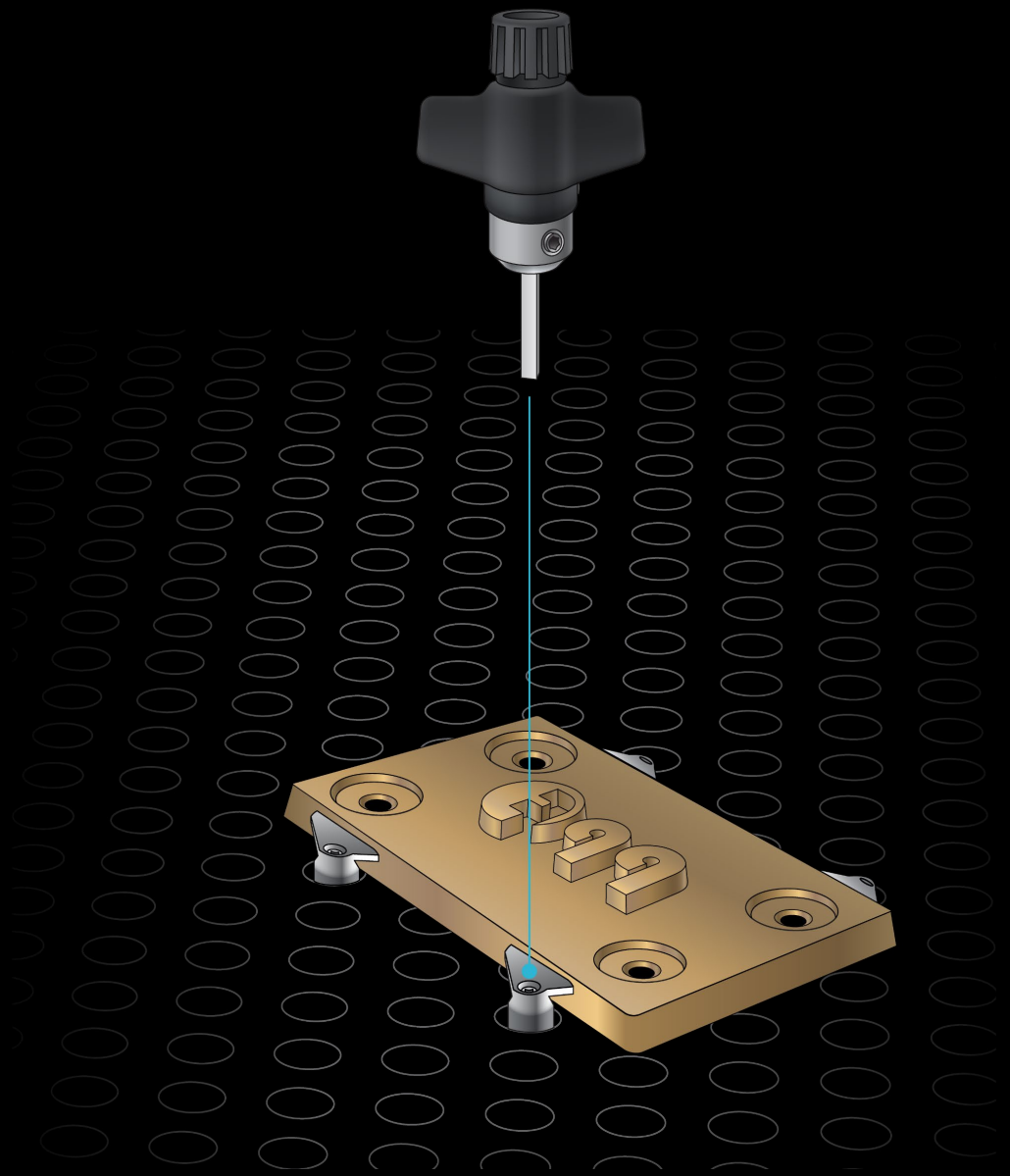
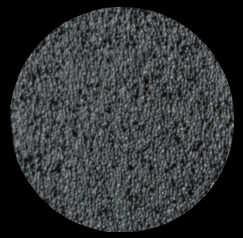


PLATE ACCESSORIES

SUPORT MASK

MATERIAL & THICKNESS

RUBBER



THICKNESS

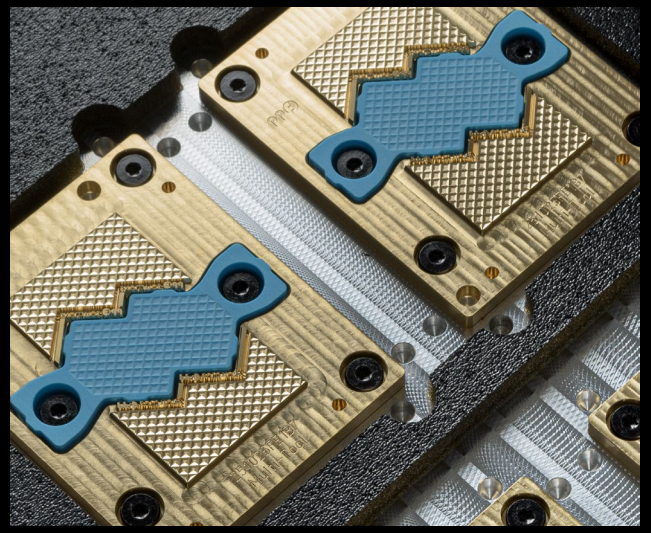


CARDBOARD / CARBOARD - NO ADHESIVE



THICKNESS







SAMPLE

PLATE ACCESSORIES

BALANCING DIE

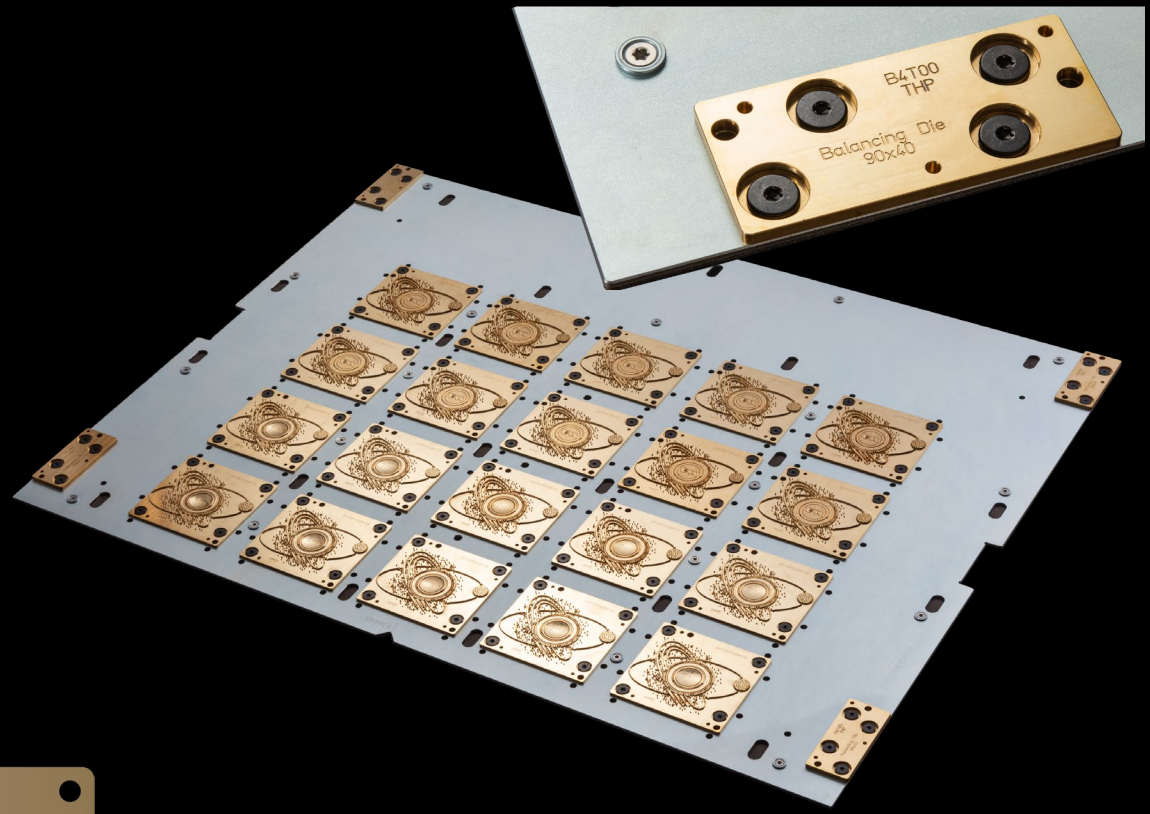
MATERIAL & THICKNESS

BRASS



THICKNESS





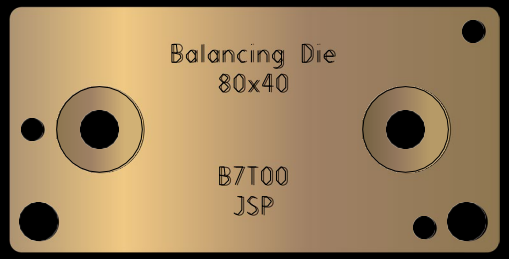




PLATE ACCESSORIES

ADAPTER

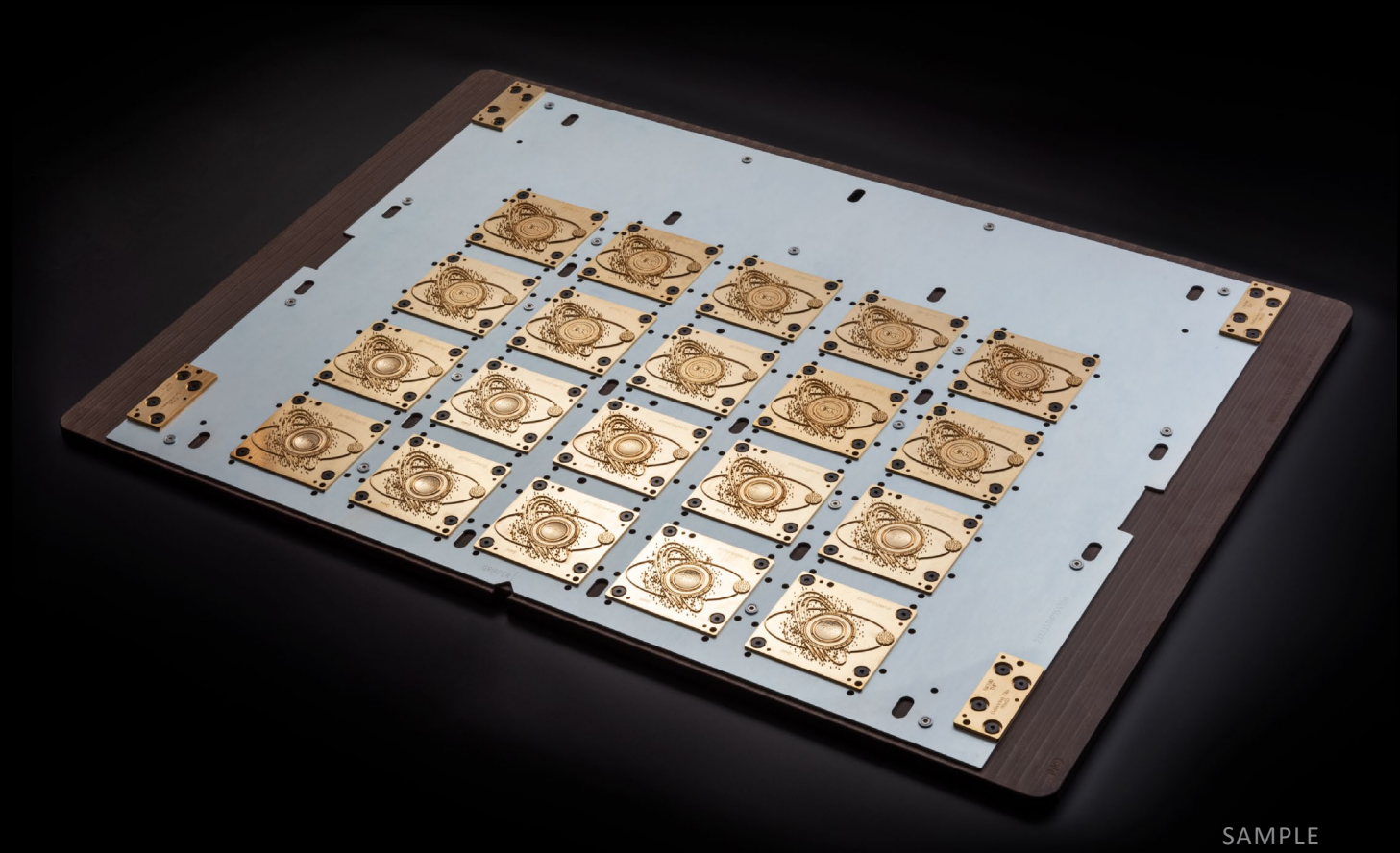
BY MACHINE TYPE

DIE CUTTING MACHINE

THP ADAPTER, 15.5 mm
EMBOSSING PLATE ADAPTER, 7.4 mm
JSP ADAPTER, 6.5 mm
JSP ADAPTER, 3.0 mm

HOT STAMPING MACHINE WITH JSP CHASE

THP ADAPTER, 6.5 mm



SAMPLE

PLATE ACCESSORIES

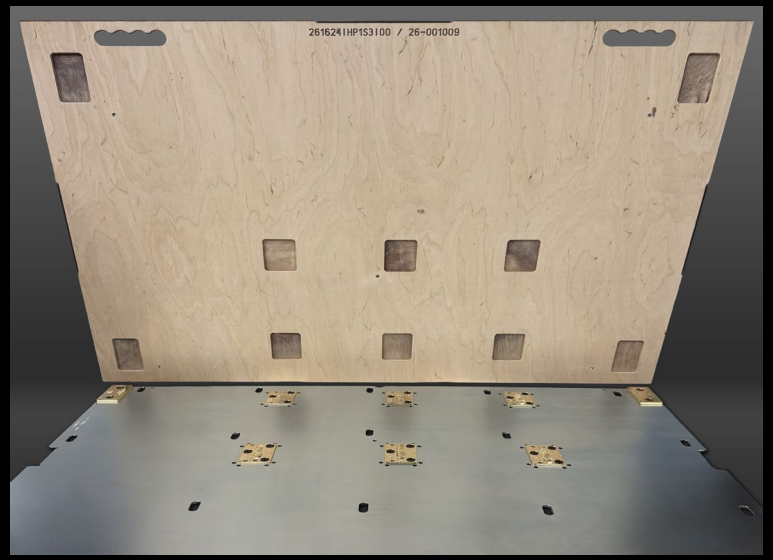
PLATE COVER

MATERIAL

PLYWOOD





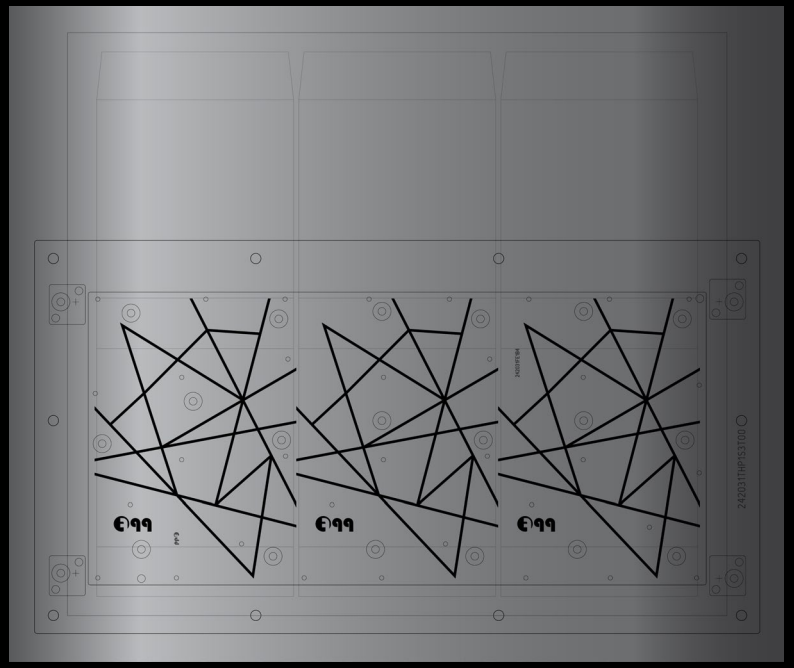


SAMPLE

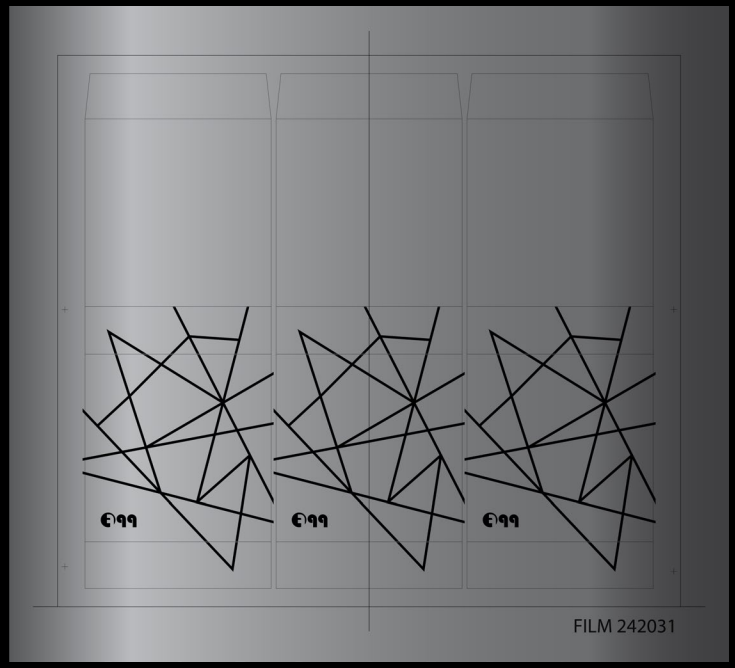
PLATE ACCESSORIES

FILM

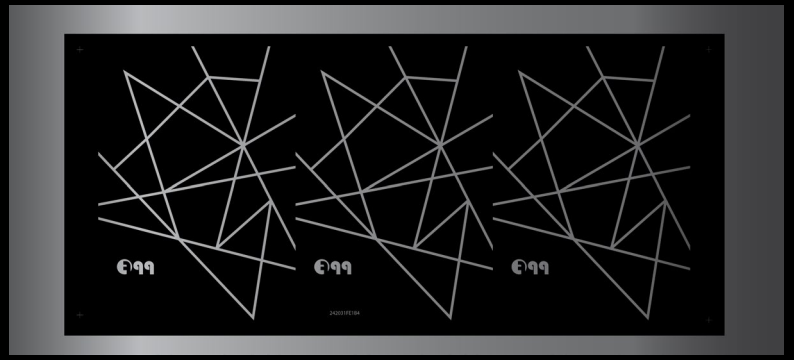
PREPARATION DRAWING



REGISTER CHECK & PATCHING



NEGATIVE



DIE ACCESSORIES

SHIMS

MATERIAL & THICKNESS

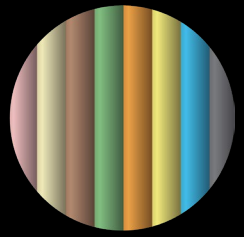
STEEL



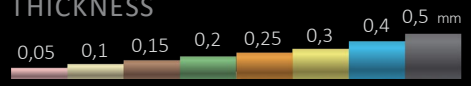
THICKNESS



PAPER

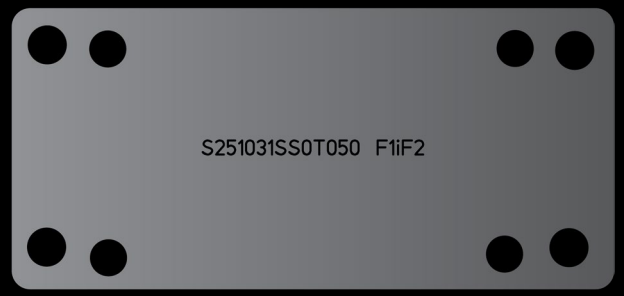


THICKNESS





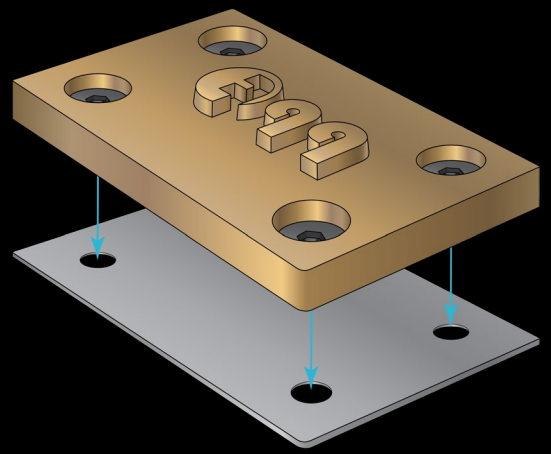
SAMPLE





DIE

SHIMS



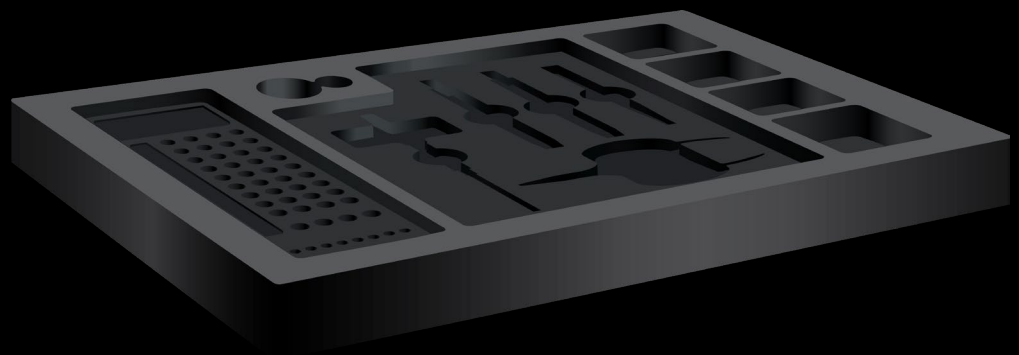
TOOL ORGANIZER

SUITCASE





FOAM

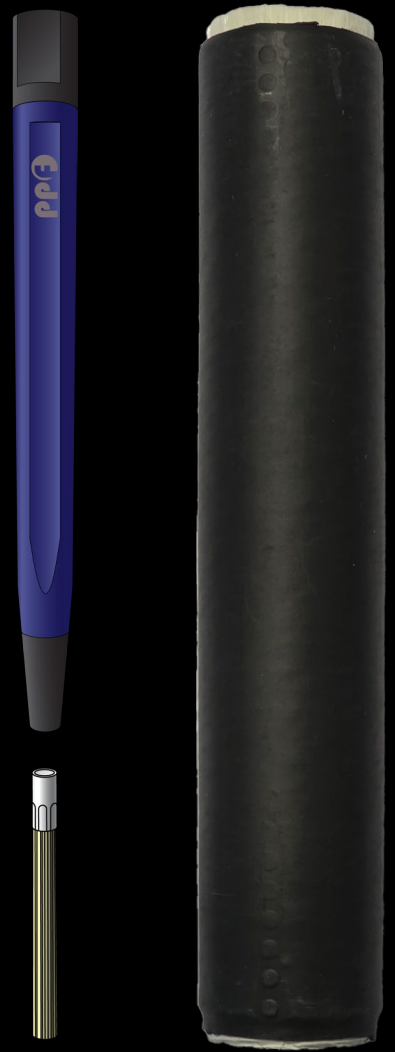




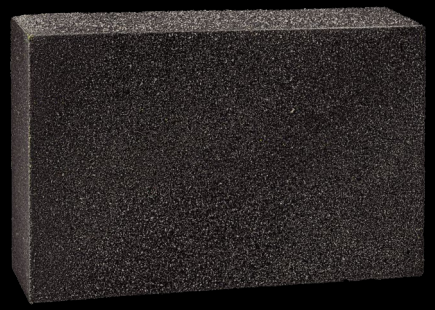
SAMPLE

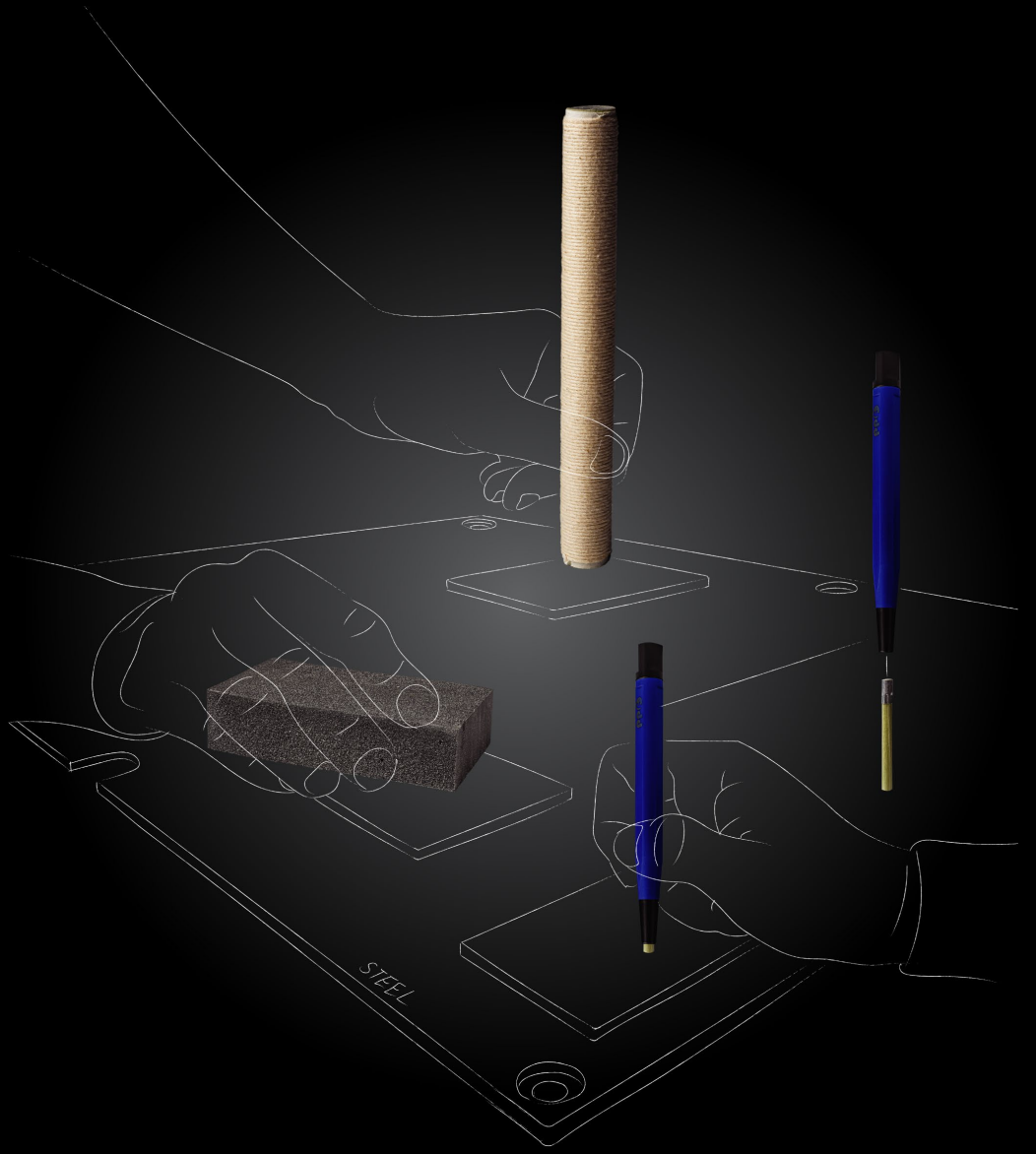
DIE CLEANING TOOL

FIBER BRUSHES



ABRASIVE BLOCKS





MEASURING TOOLS

THERMOMETERS

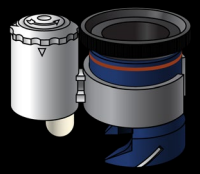




SURFACE TENSION MEASURING TOOLS

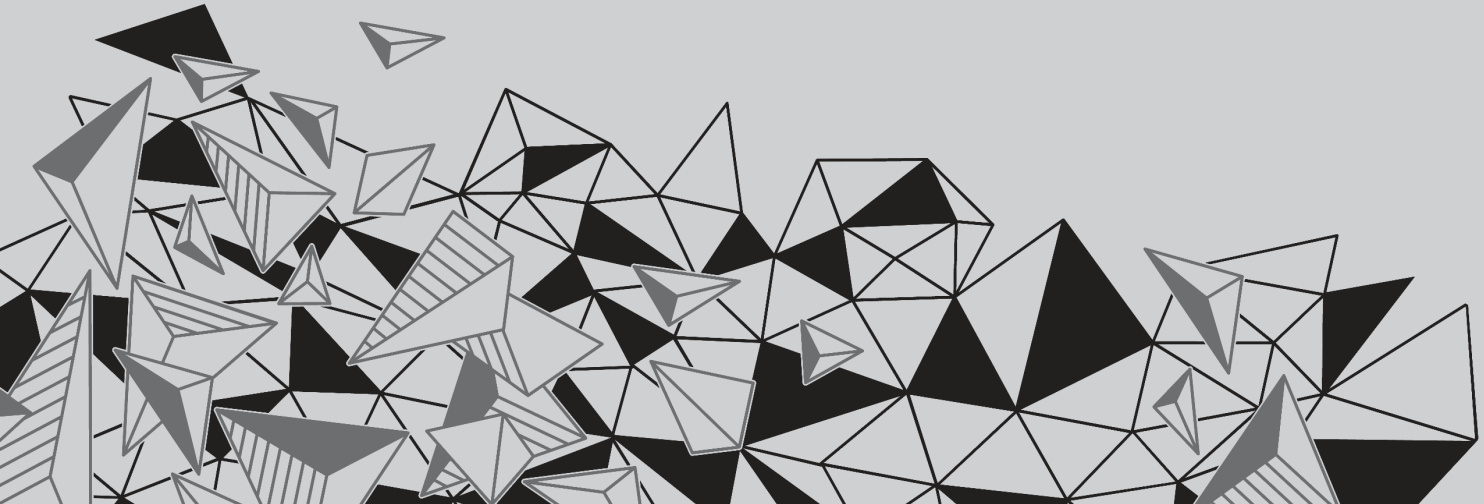


MAGNIFICATION LOOPS





MAKE-READY MATERIALS



MAKE-READY MATERIALS



MAKE-READY MATERIALS



SPECIAL ADHESIVES TAPES



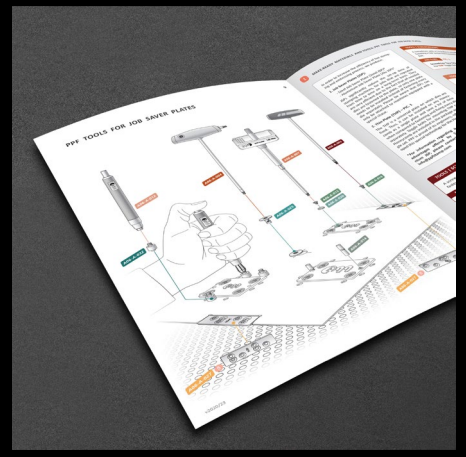
SPECIAL RUBBER BLANKETS



MAKE-READY MATERIALS & TOOLS

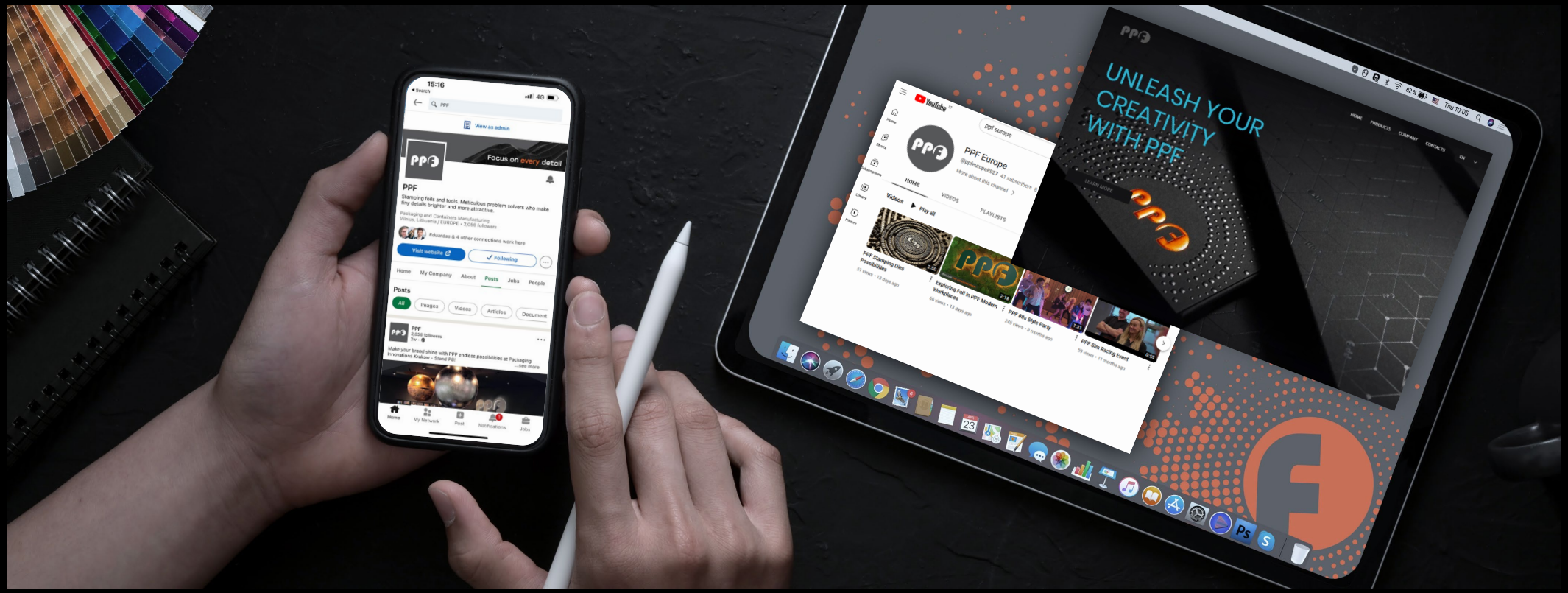
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