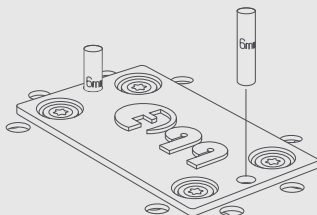
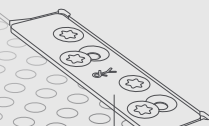
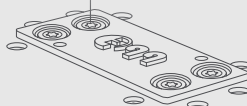
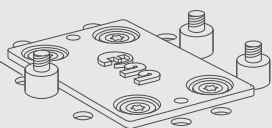


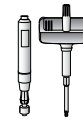
# MAKE-READY

## Materials and Tools

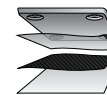


One of the main factors determining the effectiveness of a packaging producer is downtime minimization. To reduce the downtime, we offer our customers MAKE-READY MATERIALS AND TOOLS. They optimize the switching time of stamping and embossing jobs as well as extend the lifetime of tooling and have a direct impact on production quality along with cost saving.

It is the easiest way to keep safe work and increase overall equipment effectiveness.



**1** PPF TOOLS FOR JOB SAVER PLATES 3



**2** TIME SAVING AND QUALITY IMPROVEMENT 8



**3** CLEANING 15



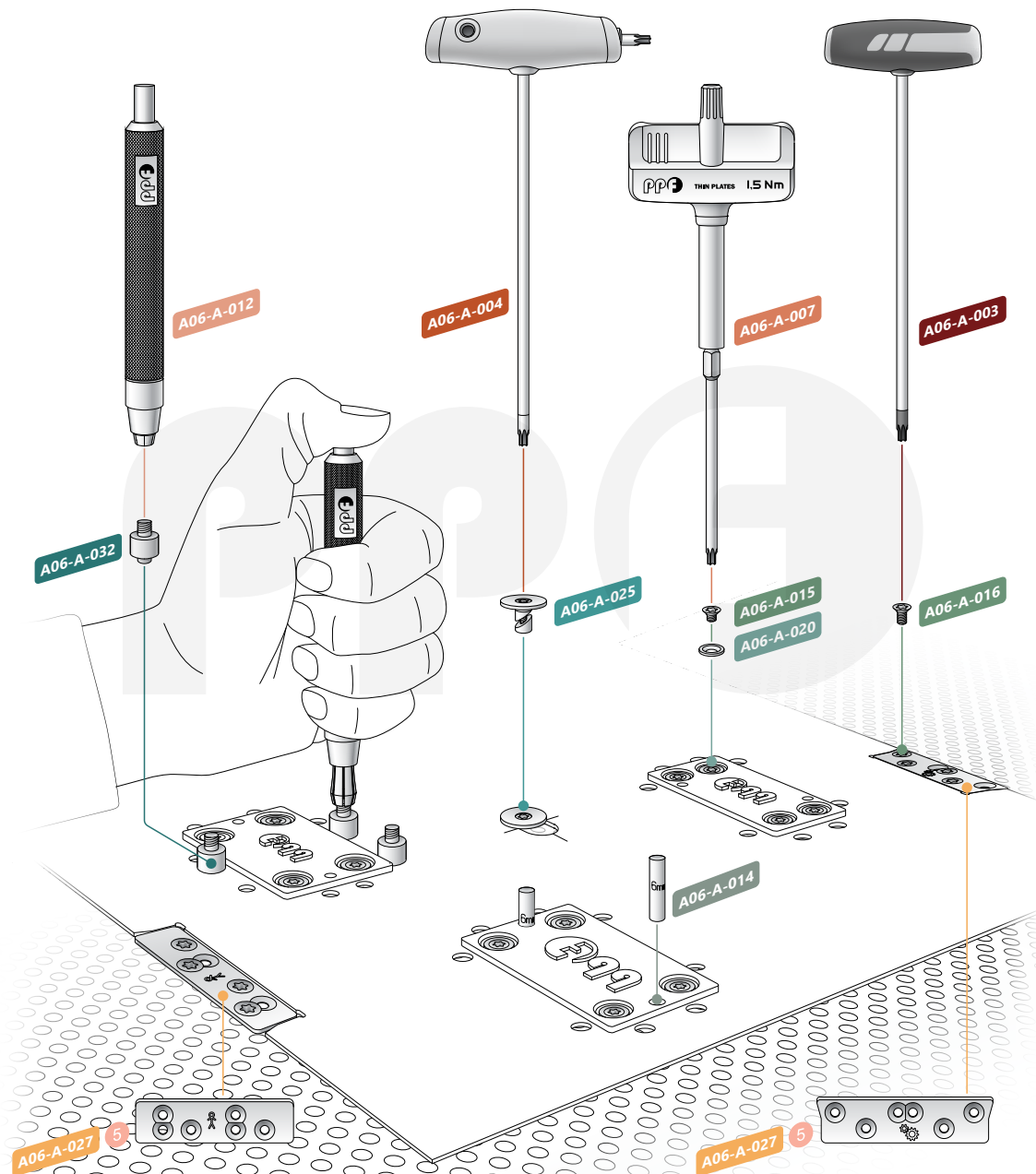
**4** MEASURING 17

# MAKE-READY

Materials and Tools



## PPF TOOLS FOR JOB SAVER PLATES



PIC. 1

1

### PPF TOOLS FOR JOB SAVER PLATES

In order to increase the efficiency of hot stamping and embossing process, we produce:

#### 1. Job Saver Plates (JSP):

- Steel Job Saver Plate (Steel JSP)\*
- Aluminium Job Saver Plate (Alu JSP)\*

JSPs significantly reduce the set-up time of stamping machines, for jobs that are repeated from time to time on a long-term basis. They are very efficient due to the fact that all needed dies are fastened to the plate, so only one plate needs to be installed instead of fastening every die separately. Please be aware that JSPs can only be attached to machines equipped with a special chase.

#### 2. Thin Plate (THP) – PIC. 1

The THP is a universal plate on which dies are fixed. Thus, it can be installed on any Honeycomb as a single plate and save a lot of time when compared to fastening and fixing every die separately. Toggle bolts for mounting THP on a Honeycomb are included in the package as a single set. PPF is proud of its engineers, who developed this special technology for the Honeycomb.

\*For information regarding a comparison of advantages offered by Steel and Aluminium JSP, please contact the PPF team at: [info@ppfstamp.com](mailto:info@ppfstamp.com)

### TOOLS | SCREWDRIVERS

A screwdriver with a T-handle is usually used to fasten THP Lock-Plates onto a Honeycomb.

#### A06-A-003 PIC. 1

**Screwdriver Torx TX20**  
For **THP** Lock-Plates

### TOOLS | SCREWDRIVERS

A screwdriver with a T-handle is usually used for fastening a THP to the Honeycomb with a Toggle Bolt.

#### A06-A-004 PIC. 1

**Screwdriver Torx TX25**  
For **THP** Toggle Bolt

### TOOLS | SCREWDRIVERS

Two-part torque screwdriver with T-handle. When optimal torque is reached, the screwdriver triggers a clearly audible and perceptible signal. Available in three different torques according to die fastening on different types of plates.

#### A06-A-007 PIC. 1

**1.5 Nm Torque Screwdriver Torx TX20**  
For fastening dies onto **THP**

#### A06-A-008

**3.0 Nm Torque Screwdriver Torx TX20**  
For fastening dies onto **Alu JSP**

#### A06-A-009

**5.7 Nm Torque Screwdriver Torx TX20**  
For fastening dies onto **Steel JSP**

### TOOLS | HANDLE

This tool performs several functions:

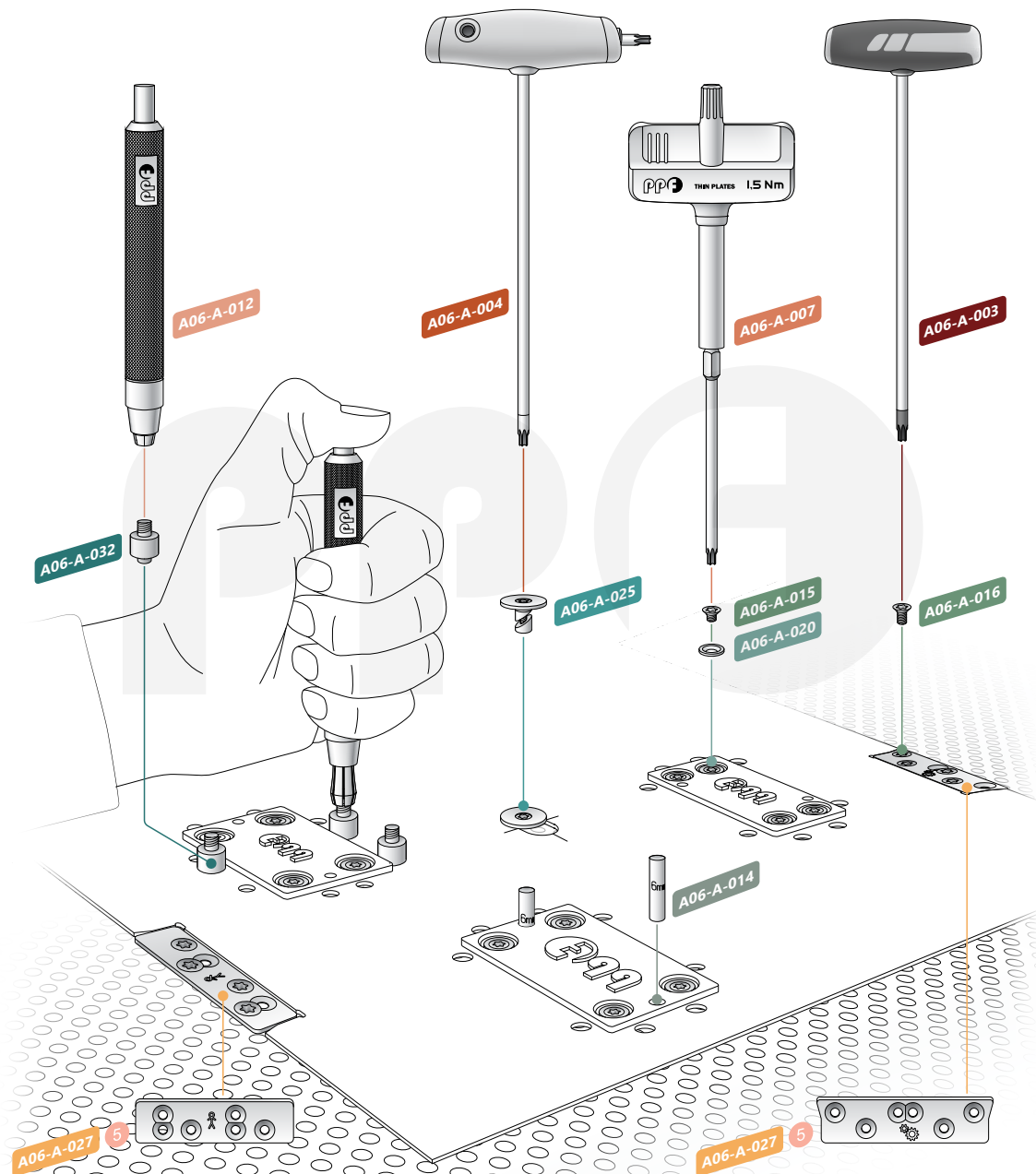
- inserting/removing any size of Die Position Adjustment Pins A06-A-032 when working with hot **THP** or **JSP**.
- inserting/removing  $\varnothing 6$  Zero Positioning Pins A06-A-014 when working with hot **THP** or **JSP**.

#### A06-A-012 PIC. 1

**Tool for Handling:**

- Adjustment pins
- Zero positioning pins

## PPF TOOLS FOR JOB SAVER PLATES



PIC. 1

1

### PPF TOOLS FOR JOB SAVER PLATES

#### HARDWARE | PINS

Zero Positioning Pins used to position dies on Job Saver Plates (JSP) and Thin Plates (THP). For a quick reset to layout position.

##### A06-A-014 PIC. 1

**Ø6 mm Zero Positioning Pins**  
For positioning dies onto JSP and THP

##### A06-A-017

**Ø3 mm Zero Positioning Pins**  
For positioning dies onto JSP and THP

#### HARDWARE | SCREWS

PPF Screws are rust protected, help to prevent breaking thread and stuck screws after prolonged use, and are not affected by temperature changes. Available in three different sizes.

##### A06-A-015 PIC. 1

**PPF Screws | M4 x 5 mm, Torx TX20**  
For fastening 4 mm dies onto THP

##### A06-A-016 PIC. 1

**PPF Screws | M4 x 10 mm, Torx TX20**  
- For fastening 7 mm dies onto JSP  
- For fastening THP Lock-Plates

##### A06-A-018

**PPF Screws | M3 x 5 mm (DIN7991)**  
For fastening 4 mm inserts (JSP)

#### HARDWARE | WASHERS

Washers are used for flawless, high-quality die mounting. The washer does not loosen when the temperature changes. Reusable product. Available in three different sizes.

##### A06-A-019

**Ø12 x 3.0 mm Washer | For 7 mm dies onto JSP**  
Die positioning +/- 2 mm

##### A06-A-022

**Ø10 x 3.0 mm Washer | For 7 mm dies onto JSP**  
Die positioning +/- 1 mm

##### A06-A-020 PIC. 1

**Ø12 x 1.5 mm Washer | For 4 mm dies onto THP**  
Die positioning +/- 2 mm

#### HARDWARE | TOGGLE BOLT

Toggle Bolts used for fastening THP onto Honeycomb with the help of screwdriver A06-A-004.

##### A06-A-025 PIC. 1

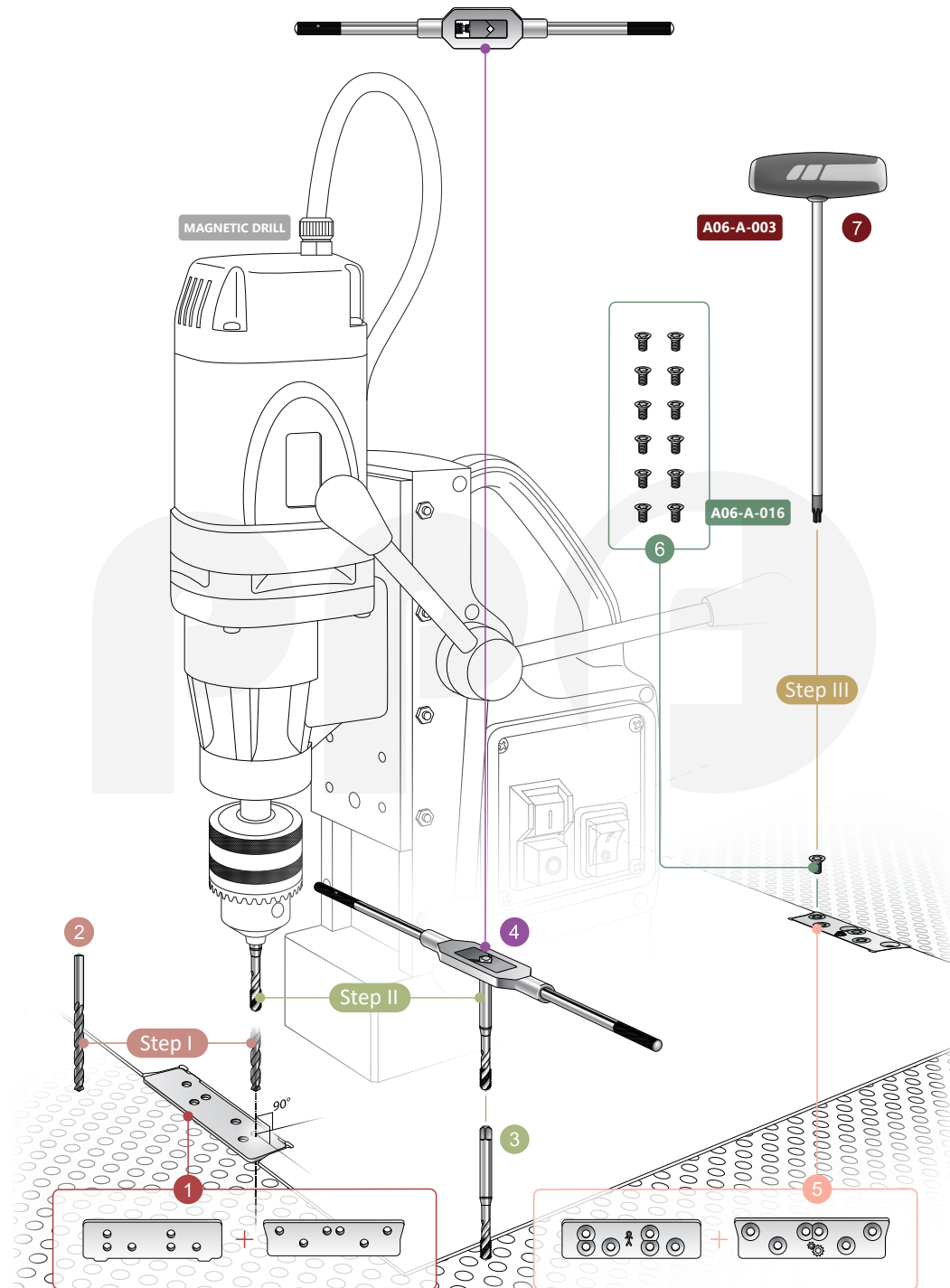
**Toggle Bolt | M5, Torx TX25**

#### HARDWARE | ADJUSTMENT PINS

Adjustment Pins used to move die by a precisely required distance. Set contains 10 different sizes x 4 pcs each: 0.0; -0.1; -0.2; -0.3; -0.4; -0.5; -0.6; -0.7; -0.8; -0.9 mm.

##### A06-A-032 PIC. 1

**Die Position Adjustment Pins**

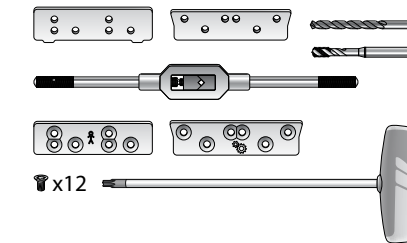


PIC. 2 – Lock-Plates installation for positioning

## SET | THP POSITIONING

- 1 Drilling templates (1 pair)
- 2 Drill bit Ø3.3 mm (1 pcs)
- 3 Tap M4 (1 pcs)
- 4 Tap handle M4 (1 pcs)
- 5 THP Lock-Plates (1 pair)
- 6 PPF screws (12 pcs) – A06-A-016\*
- 7 Screwdriver TX20 with T-handle (1 pcs) – A06-A-003\*

\* marked products can be purchased separately



A06-A-029 PIC. 2

Full set for THP Positioning

## SET | THP POSITIONING

- 5 THP Lock-Plates (1 pair)
- 6 PPF screws (12 pcs) – A06-A-016\*

\* marked products can be purchased separately



A06-A-027 PIC. 1 and 2

Lock-Plates for THP Positioning

## LOCK-PLATES INSTALLATION FOR THP POSITIONING

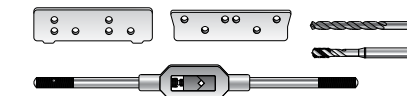
This set of Lock Plates used to fix THP precisely to the previous position onto the Honeycomb is the perfect solution for reducing set-up time.

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



## SET | THP POSITIONING

- 1 Drilling templates (1 pair)
- 2 Drill bit Ø3.3 mm (1 pcs)
- 3 Tap M4 (1 pcs)
- 4 Tap handle M4 (1 pcs)



A06-A-028 PIC. 2

Preparation set for THP Positioning

## STEP I

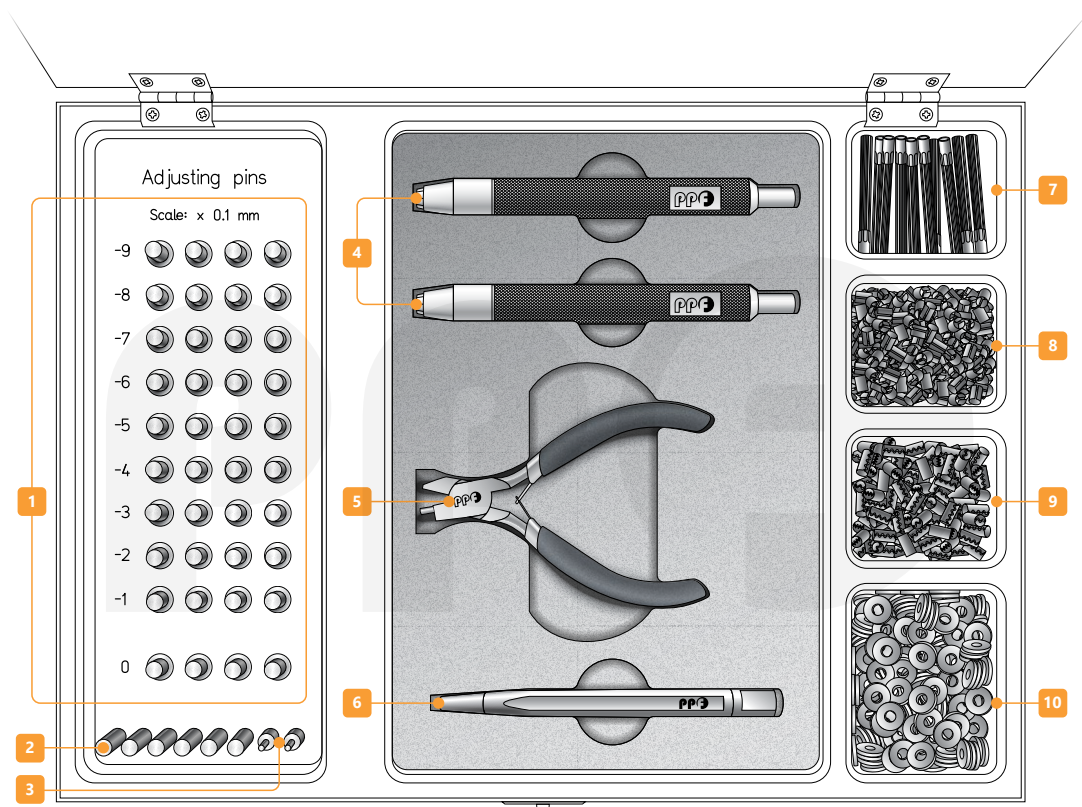
Make sure that THP is matched to the printing. Add Drilling templates 1 to the THP on the Honeycomb and drill the holes with a drill bit 2. It is important to keep 90 degrees between the Drill bit 2 and Honeycomb plane.

## STEP II

Remove the Drilling templates 1 and make thread using Tap M4 3 combined with Tap handle M4 4.

## STEP III

Install THP Lock-Plates 5 as shown in the PIC. 2 and fasten with PPF screws 6, using screwdriver 7.



PIC. 3 – Tool Kit for positioning dies and transfer counter dies

#### SET | MAKE POSITIONING EASY AND PRECISE

- |  |           |
|--|-----------|
| 1 Die position adjustment pins (10 sizes x 4 pcs):<br>0.0; -0.1; -0.2; -0.3; -0.4; -0.5; -0.6; -0.7; -0.8; -0.9 mm | A06-A-032 |
| 2 Die zero positioning pins Ø6 mm (6 pcs)  | A06-A-014 |
| 3 Die zero positioning pins Ø3 mm (2 pcs)  | A06-A-017 |
| 4 Tools for handling adjustment zero positioning pins (2 pcs)  | A06-A-012 |
| 5 Pliers for handling Plastic Counter Die Pins (1 pcs)   | A06-A-010 |
| 6 Pen with refillable glass fibre brush (1 pcs)  | A06-A-001 |
| 7 Glass fibre brush refill (10 pcs)  | A06-A-002 |
| 8 Premium transfer pins for counter dies Ø3 x 4 mm (120 pcs)   | A06-A-037 |
| 9 Premium transfer pins for counter dies Ø3 x 6 mm (120 pcs)   | A06-A-036 |
| 10 Transfer washers for plastic counter dies (120 pcs)   | A06-A-021 |

All products can be purchased separately.

The easiest and most accurate way of setting up dies when working with **THP** and **JSP** from PPF.

A06-A-030 PIC. 3

Tool Kit for positioning dies and transfer counter dies

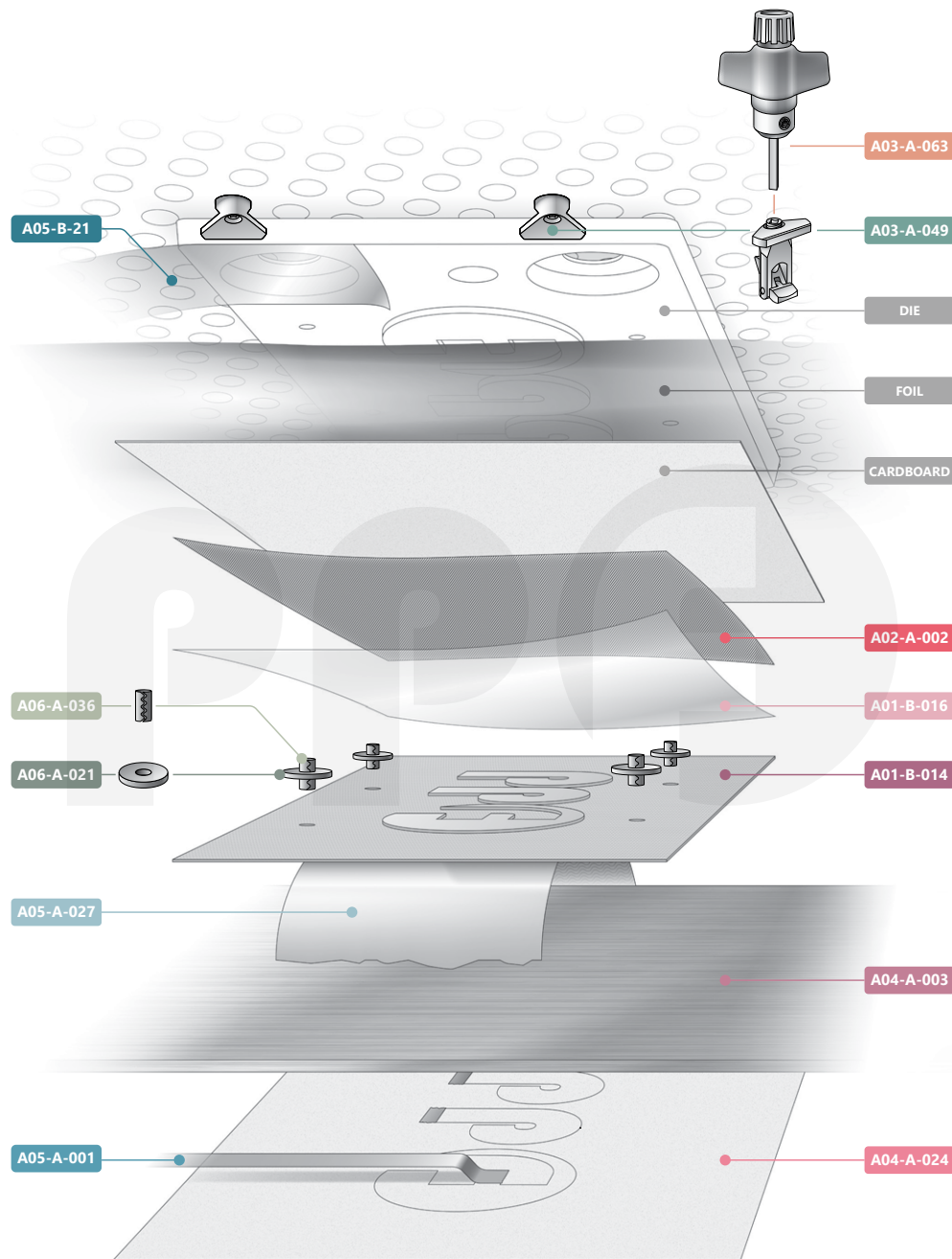
# **MAKE-READY**

Materials and Tools



**2** TIME SAVING AND  
QUALITY IMPROVEMENT

## TIME SAVING AND QUALITY IMPROVEMENT



2

## TIME SAVING AND QUALITY IMPROVEMENT

### MAKE READY | PLASTIC PLATES

Epoxy plate - an extremely strong and durable base providing clean and sharp impressions. It is precisely flat, which gives correct pressure across the stamping and embossing area. This specially designed plate is comprised of heat-resistant epoxy and fiberglass and has tremendous strength. The standard material for plastic counter die.

*Recommended for: hot foil stamping jobs.*

#### A01-B-015

##### Epoxy plate

0.5 x 1020 x 685 mm (TxWxL)

#### A01-A-016

##### Epoxy plate

0.5 x 1070 x 1035 mm (TxWxL)

#### A01-B-006

##### Epoxy plate

0.8 x 1020 x 695 mm (TxWxL)

#### A01-B-005

##### Epoxy plate

0.8 x 1070 x 1035 mm (TxWxL)

#### A01-B-014 PIC. 4

##### Epoxy plate

1 x 1020 x 685 mm (TxWxL)

A similar product to the epoxy plate, Pertinax is made from a phenolic compound. It is extremely hard and thus is effective in achieving quality foil stamping jobs

*Recommended for: hot foil stamping jobs.*

#### A01-B-001

##### Pertinax | Brown sheets

0.5 x 1020 x 695 mm (TxWxL)

#### A01-B-002

##### Pertinax | Brown sheets

0.8 x 1020 x 695 mm (TxWxL)

### MAKE READY | STEEL PLATES

Easy and very accurate integration of plastic counter dies for embossing. The stainless-steel Job-Saver Counter Plate system is the perfect solution for reducing set-up time and makes a short payback time for repeat jobs.

#### A04-A-001

**Job-Saver Counter Plate** | Stainless-steel  
Machine: BOBST 102 | T 2.5 mm

#### A04-A-002

**Job-Saver Counter Plate** | Stainless-steel  
Machine: BOBST 104 | T 2.5 mm

#### A04-A-003 PIC. 4

**Job-Saver Counter Plate** | Stainless-steel  
Machine: BOBST 106 | T 2.5 mm

#### A04-A-004

**Job-Saver Counter Plate** | Stainless-steel  
Machine: GIETZ 1060 | T 2.5 mm

#### A04-A-005

**Job-Saver Counter Plate** | Stainless-steel  
Machine: MK 1060 | T 2.0 mm

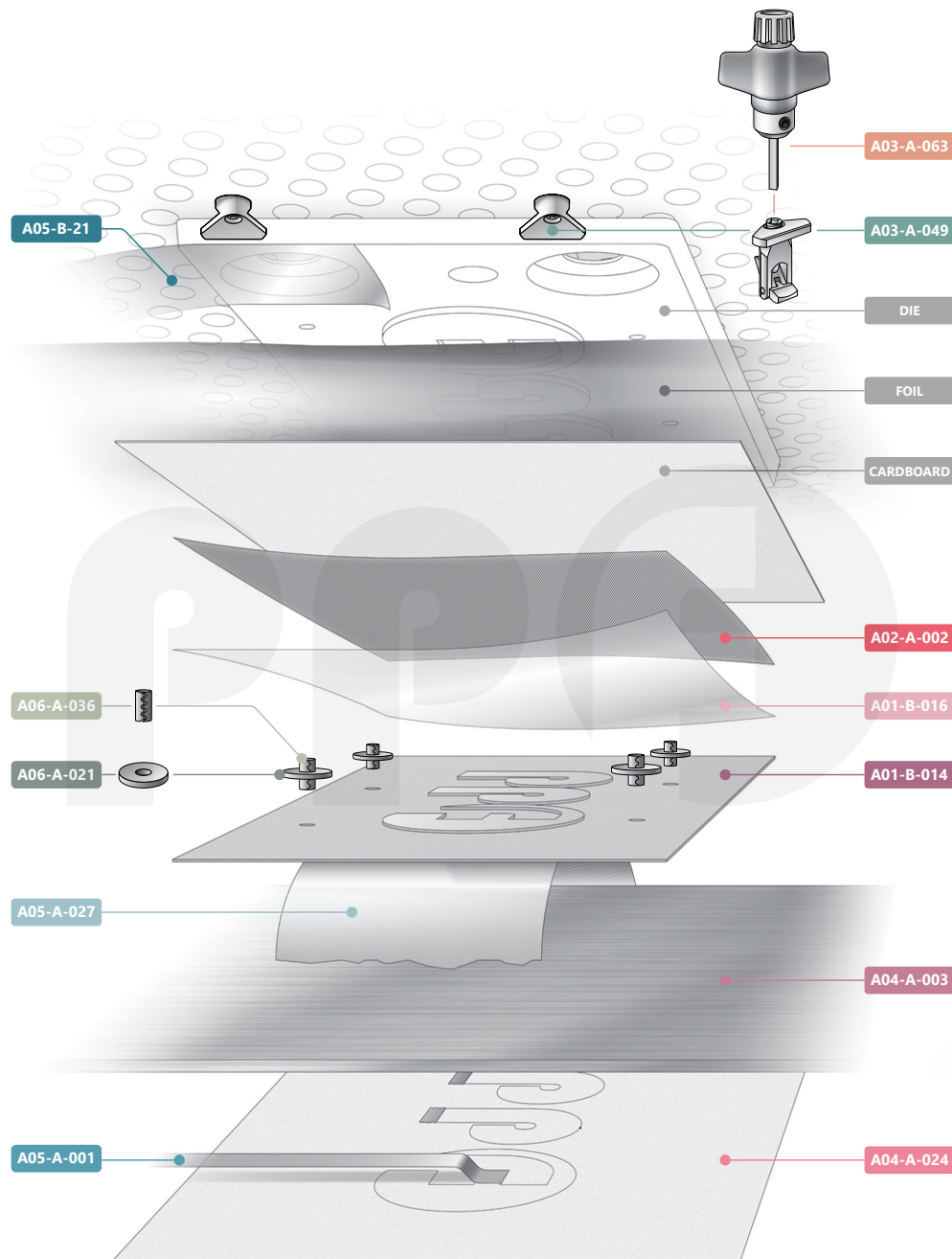
#### A04-A-006

**Job-Saver Counter Plate** | Stainless-steel  
Machine: MK 1060 | T 3.0 mm

#### A04-A-007

**Job-Saver Counter Plate** | Stainless-steel  
Machine: KAMA 76 | T 1.0 mm

## TIME SAVING AND QUALITY IMPROVEMENT



2

## TIME SAVING AND QUALITY IMPROVEMENT

### MAKE READY | FOILS & FILM

These Polyester films provide excellent protection of plastic counter dies against cardboard abrasion. They are placed over plastic counter dies and help to protect even the smallest design elements.

#### A01-B-017

**Polyester matt foil 23 µm**  
23 µm x 630 mm x 61 m (TxWxL)

#### A01-B-016 PIC. 4

**Polyester foil 36 µm**  
36 µm x 630 mm x 61 m (TxWxL)

This Polyester film is durable and has a high accuracy thickness. Usually used for Cylinder presses.

#### A01-B-018

**Polyester film 175 µm**  
175 µm x 1060 mm x 50 m (TxWxL)

### MAKE READY | BLANKETS

A rubber blanket is an excellent choice for increasing the efficiency of the stamping and embossing process. It compensates for differences between: the thickness and flatness of the cardboard, the thickness of stamping machine chase plates, the height of dies and counter die design elements. It can be used to cover plastic counter dies in order to extend life time and is resistant to high temperatures.

#### A02-A-002 PIC. 4

**Rubber blanket | Black, 2-ply**  
0.30 x 1200 x customized mm (TxWxL)

#### A02-A-003

**Rubber blanket | Black, 2-ply**  
0.65 x 1060 or 1450 x customized mm (TxWxL)

#### A02-A-007

**Rubber blanket | Yellow**  
0.30 x 1550 x customized mm (TxWxL)

#### A02-A-009

**Rubber blanket | Light brown**  
0.35 x 1550 x customized mm (TxWxL)

### MAKE READY | CALIBRATED PAPER

Calibrated paper is mainly used to keep the patching history of the particular job. It helps to save preparation time for every subsequent repetitive job. The different thickness of individual sheets is marked with different colours for easy recognition.

For additional details about other possible thicknesses, please write us at [info@ppfstamp.com](mailto:info@ppfstamp.com)

#### A04-A-028

**Calibrated paper**  
0.050 x 1030 x 795 mm (TxWxL)

#### A04-A-029

**Calibrated paper**  
0.075 x 1030 x 795 mm (TxWxL)

#### A04-A-024 PIC. 4

**Calibrated paper**  
0.100 x 1030 x 795 mm (TxWxL)

#### A04-A-031

**Calibrated paper**  
0.150 x 1030 x 795 mm (TxWxL)

#### A04-A-033

**Calibrated paper**  
0.200 x 1030 x 795 mm (TxWxL)

#### A04-A-025

**Calibrated paper**  
0.250 x 1030 x 795 mm (TxWxL)

#### A04-A-026

**Calibrated paper**  
0.300 x 1030 x 795 mm (TxWxL)

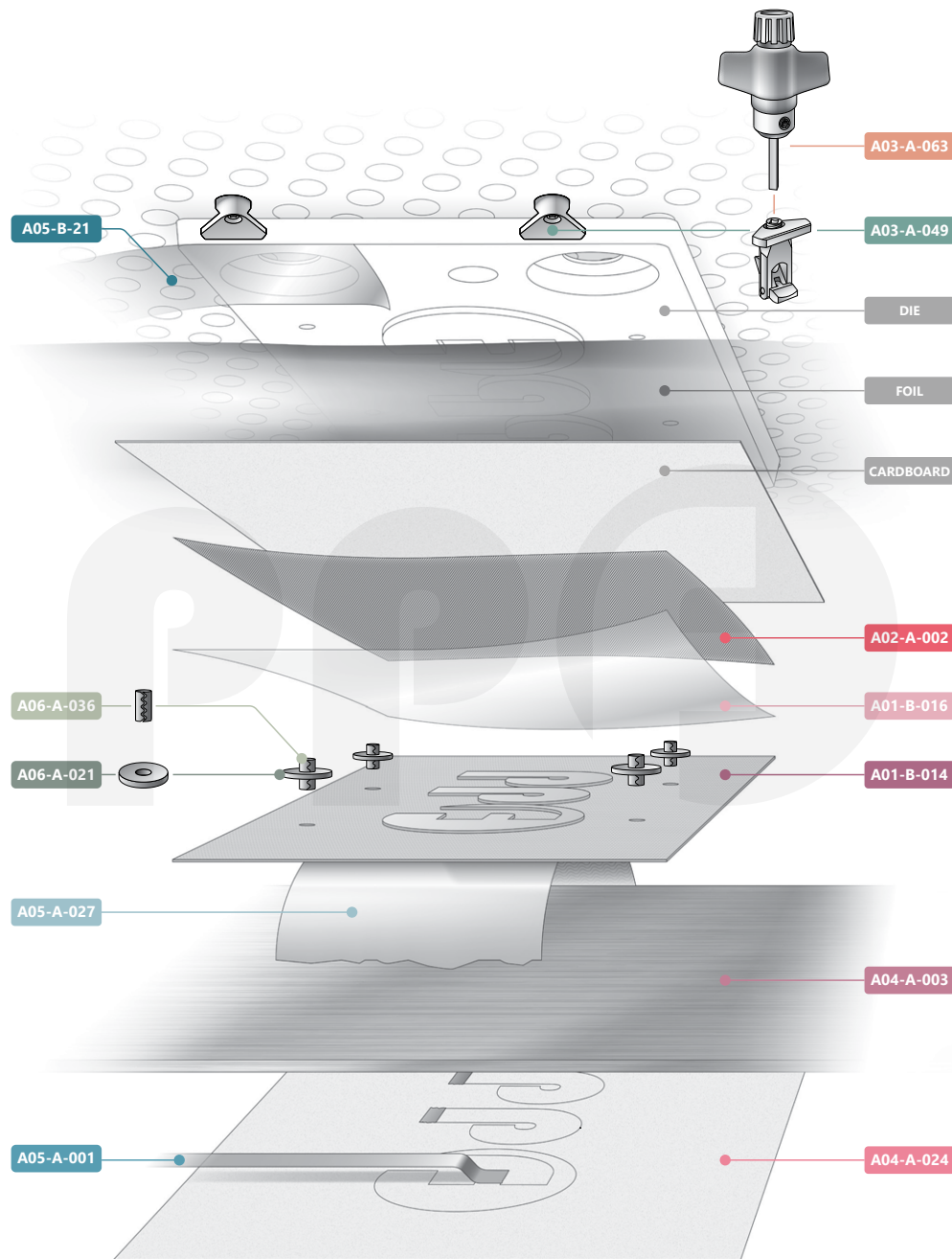
#### A04-A-027

**Calibrated paper**  
0.400 x 1030 x 795 mm (TxWxL)

#### A04-A-034

**Calibrated paper**  
0.500 x 1030 x 795 mm (TxWxL)

## TIME SAVING AND QUALITY IMPROVEMENT



PIC. 4

2

## TIME SAVING AND QUALITY IMPROVEMENT

### ADHESIVE TAPES | PATCHING

Patching Tape is used to achieve precision as well as optimal pressure during preparation for foil stamping, embossing, cutting and creasing processes. The tape is extremely hard and it fixes low pressure spots for a better result, and more even design elements. Also suitable for high volume runs.

#### THICKNESS 30 $\mu$ m

##### A05-A-001 PIC. 4

**Patching Tape** | Blue  
30  $\mu$ m x 3 mm x 35 m (TxWxL)

##### A05-A-002

**Patching Tape** | Blue  
30  $\mu$ m x 6 mm x 35 m (TxWxL)

##### A05-A-003

**Patching Tape** | Blue  
30  $\mu$ m x 12 mm x 35 m (TxWxL)

##### A05-A-004

**Patching Tape** | Blue  
30  $\mu$ m x 20 mm x 35 m (TxWxL)

##### A05-A-005

**Patching Tape** | Blue  
30  $\mu$ m x 30 mm x 35 m (TxWxL)

#### THICKNESS 50 $\mu$ m

##### A05-A-006

**Patching tape** | Red  
50  $\mu$ m x 3 mm x 25 m (TxWxL)

##### A05-A-007

**Patching tape** | Red  
50  $\mu$ m x 6 mm x 25 m (TxWxL)

##### A05-A-008

**Patching tape** | Red  
50  $\mu$ m x 12 mm x 25 m (TxWxL)

##### A05-A-009

**Patching tape** | Red  
50  $\mu$ m x 20 mm x 25 m (TxWxL)

##### A05-A-010

**Patching tape** | Red  
50  $\mu$ m x 30 mm x 25 m (TxWxL)

#### THICKNESS 80 $\mu$ m

##### A05-A-011

**Patching Tape** | Yellow  
80  $\mu$ m x 3 mm x 18 m (TxWxL)

##### A05-A-012

**Patching Tape** | Yellow  
80  $\mu$ m x 6 mm x 18 m (TxWxL)

##### A05-A-013

**Patching Tape** | Yellow  
80  $\mu$ m x 12 mm x 18 m (TxWxL)

##### A05-A-014

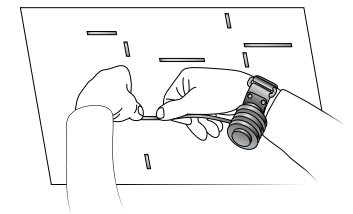
**Patching Tape** | Yellow  
80  $\mu$ m x 20 mm x 18 m (TxWxL)

##### A05-A-015

**Patching Tape** | Yellow  
80  $\mu$ m x 30 mm x 18 m (TxWxL)

### TOOLS | HOLDER

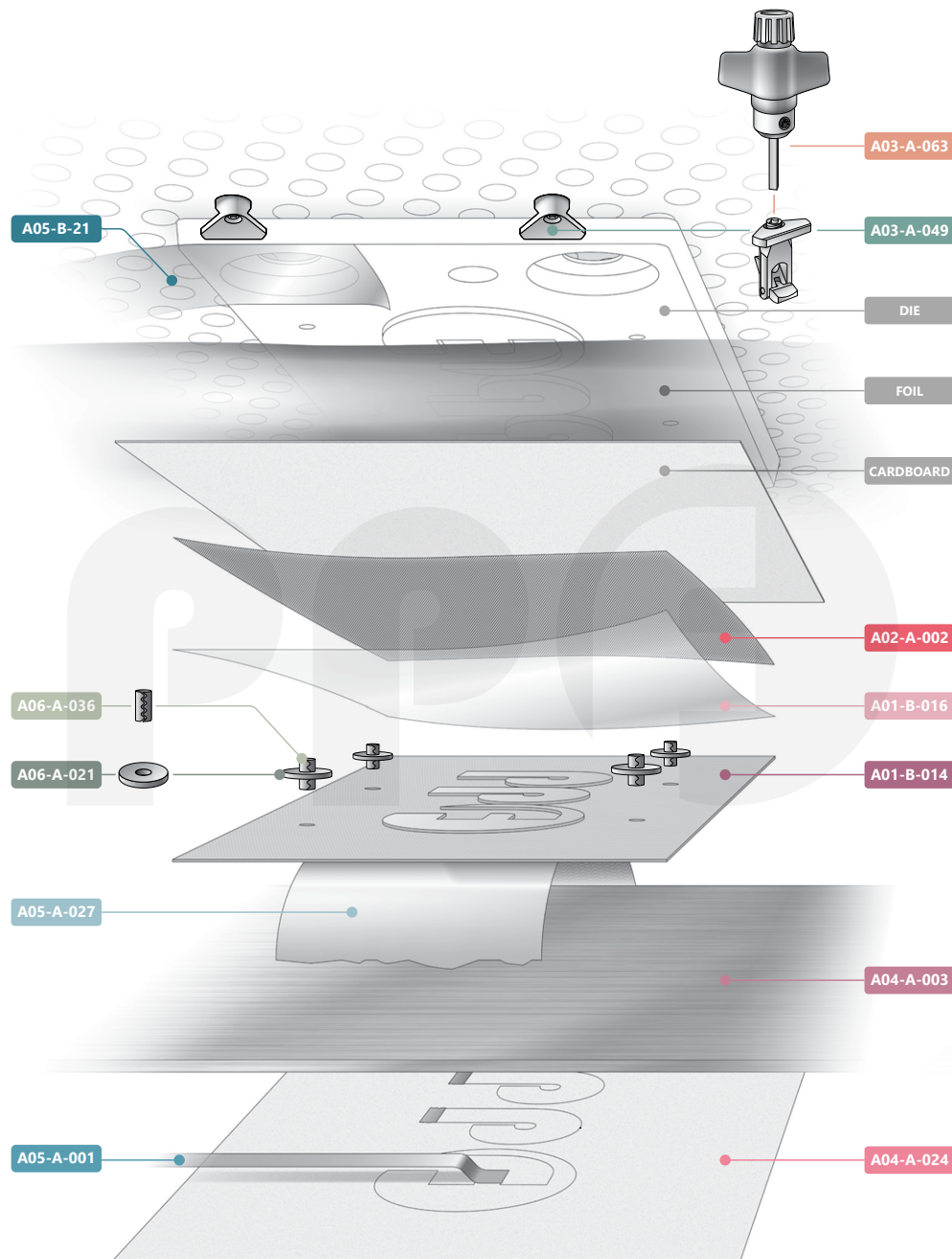
The solution for an operator who is looking for the fastest preparation time. This Patching Tape Holder fastens on the wrist like a watch and is very comfortable to use.



##### A05-A-016

**Wrist: Patching Tape Holder**

## TIME SAVING AND QUALITY IMPROVEMENT



2

## TIME SAVING AND QUALITY IMPROVEMENT

12

### ADHESIVE TAPES | THERMO RESISTANT

Single-sided adhesive tapes offer excellent heat resistance and easy removing features. Two types are available: aluminium and polyester.

#### A05-B-021 PIC. 4

##### Aluminium Tape

50 µm x 19 mm x 66 m (TxWxL)

#### A05-B-022

##### Aluminium Tape

50 µm x 50 mm x 66 m (TxWxL)

#### A05-B-023

##### Polyester Tape | Green

82 µm x 25.4 mm x 65.8 m (TxWxL)

### ADHESIVE TAPES | MOUNTING

Heat resistant double-sided adhesive tape for mounting counter dies onto mechanical cylinders/platens. The bonding is extremely secure. Two types are available:

- Brown tape: strong adhesion.
- Green tape: easy to remove after long runs.

#### A05-A-019

##### Adhesive tape for Counter Dies | Brown

- 113 µm x 300 mm x 33 m (TxWxL)
- working temperatures up to +130°

#### A05-A-020

##### Adhesive tape for Counter Dies | Brown

- 113 µm x 300 mm x 66 m (TxWxL)
- working temperatures up to +130°

#### A05-A-027 PIC. 4

##### Adhesive tape for Counter Dies | Green

- 100 µm x 310 mm x 25 m (TxWxL)
- working temperatures up to +60°

### ADHESIVE TAPES | HEAT-ACTIVATED

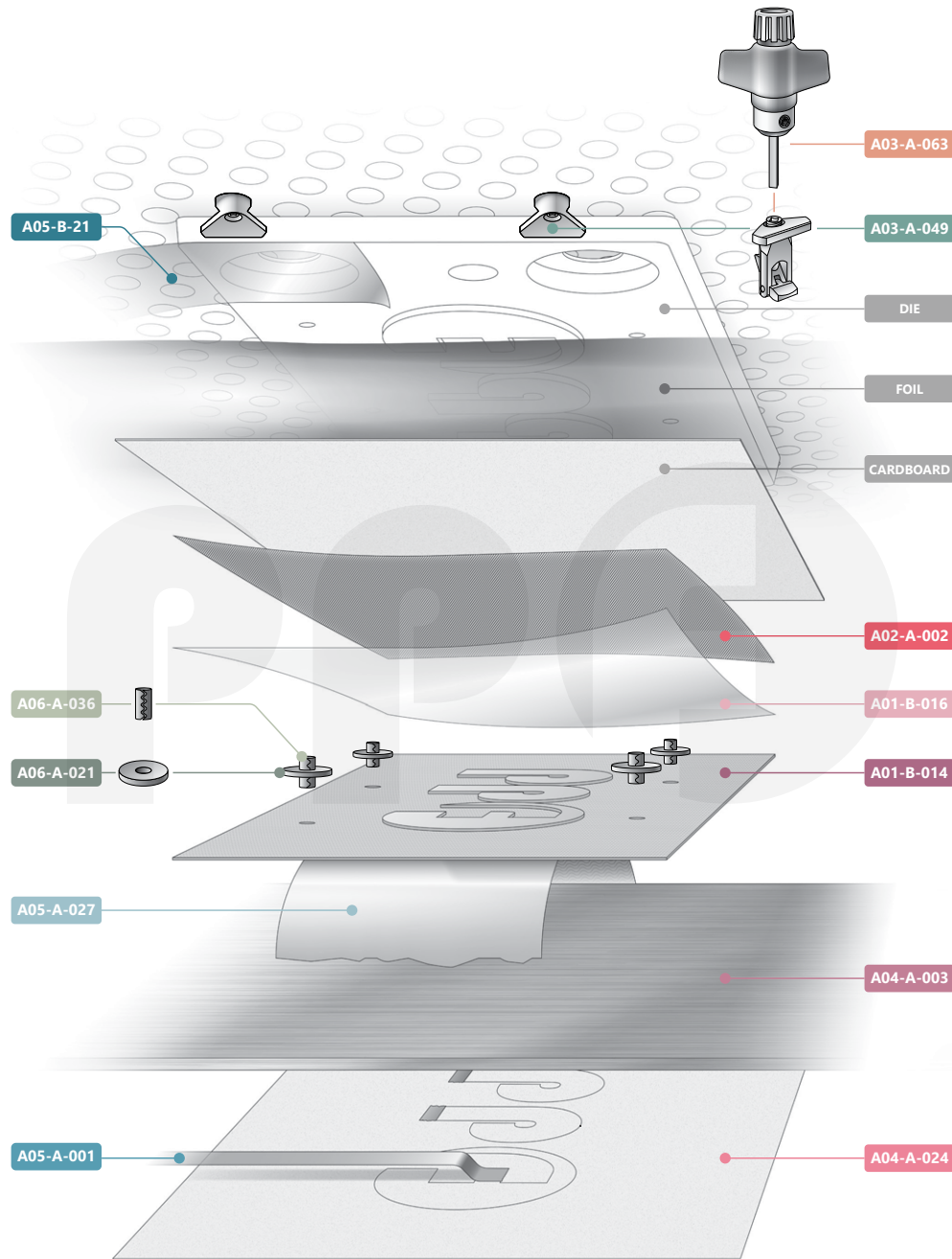
High-quality heat-activated tape (otherwise known as bonding tape) is used for mounting the dies on a heated flatbed. This bonding tape becomes tacky when heat is applied. Not sticky directly off the roll.

#### A05-B-024

##### Die mounting adhesive tape

- Double-sided, heat activated
- 50 µm x 25 mm x 55 m (TxWxL)

## TIME SAVING AND QUALITY IMPROVEMENT



PIC. 4

### HARDWARE | TOGGLE HOOKS

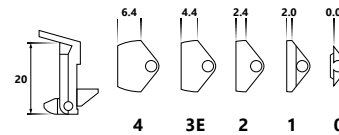
The Toggle Hook device is used to mount an engraved die onto a Honeycomb chase. Two types are available:

#### Premium:

Suitable for 17.0 – 20.0-mm-deep Honeycomb.

#### Low Profile:

Suitable for 14.5 – 16.5-mm-deep Honeycomb.



#### A03-A-049 PIC. 4

#### #0 Premium Toggle Hook

#### A03-A-050

#### #1 Premium Toggle Hook

#### A03-A-051

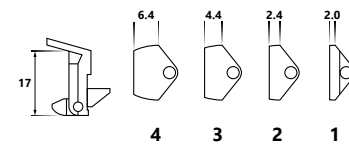
#### #2 Premium Toggle Hook

#### A03-A-053

#### #3E Premium Toggle Hook

#### A03-A-054

#### #4 Premium Toggle Hook



#### A03-A-056

#### #1 Low Profile Toggle Hook

#### A03-A-057

#### #2 Low Profile Toggle Hook

#### A03-A-058

#### #3 Low Profile Toggle Hook

#### A03-A-059

#### #4 Low Profile Toggle Hook

### TOOLS | TOGGLE KEY

Toggle Key required for adjusting and tightening Toggle Hooks. Specially designed for reversing the bits in the key, allowing to re-use twisted bits and extending their service life.

Used for bits: A03-A-062.

#### A03-A-063 PIC. 4

#### Toggle Key

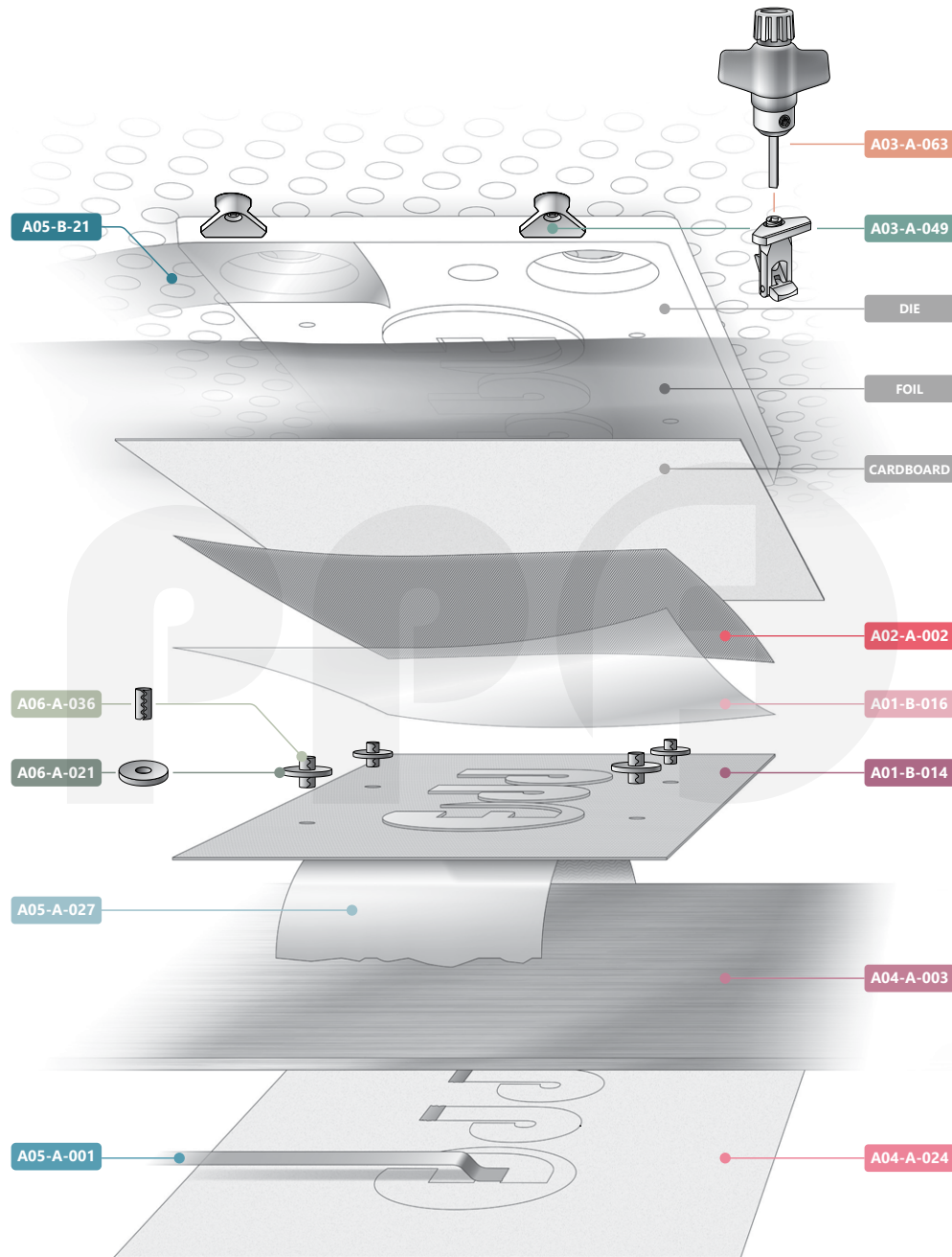
Pack of 10 replacement toggle key bits to insert into Toggle Keys, once existing bits have worn and twisted during operation.

Used with A03-A-063 Toggle Key.

#### A03-A-062

#### Toggle Key Bits | Pack of 10 units

## TIME SAVING AND QUALITY IMPROVEMENT



2

## TIME SAVING AND QUALITY IMPROVEMENT

### HARDWARE | WASHERS

Transfer Washer used to prevent possible design damage during the counter die transferring process.

**A06-A-021** PIC. 4

**Transfer Washer for Counter Dies | Brass**  
Ø10 x 1.5 mm

**A06-A-048**

**Transfer Washer for Counter Dies | Plastic**  
Ø10 x 1.5 mm

### HARDWARE | TRANSFER PINS

Transfer/Alignment Pins are used to ensure precise position matching between the die and counter die. Two types are available: standard and premium (prolonged use).

**A06-A-023**

**Transfer/Alignment Pins (THP)**  
Ø3 x 4 mm | For 4 mm dies

**A06-A-024**

**Transfer/Alignment Pins (JSP)**  
Ø3 x 6 mm | For 7 mm dies

**A06-A-037**

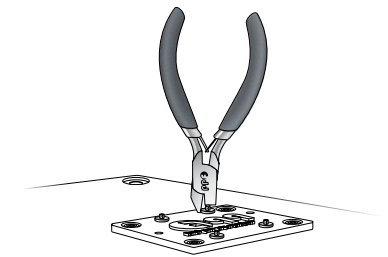
**Premium Transfer/Alignment Pins (THP)**  
Ø3 x 4 mm | For 4 mm dies

**A06-A-036** PIC. 4

**Premium Transfer/Alignment Pins (JSP)**  
Ø3 x 6 mm | For 7 mm dies

### TOOLS | PLIERS

Pliers are specially designed for inserting and removing pins to/from counter dies. Used for transfer pins: A06-A-023, A06-A-024, A06-A-036, A06-A-037.



**A06-A-010**

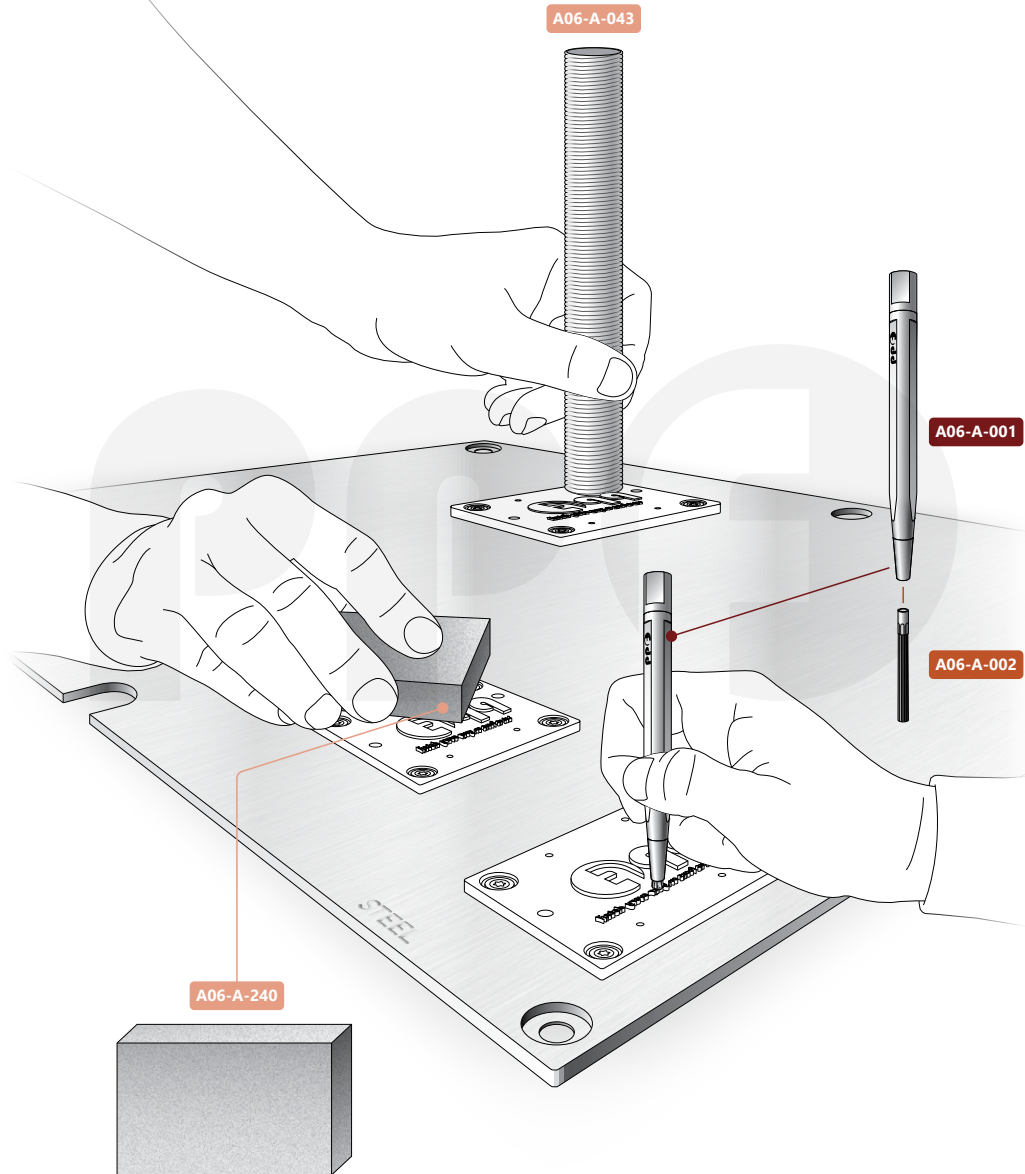
**Pliers for Handling Counter Die Pins**

# MAKE-READY

Materials and Tools



## CLEANING



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### CLEANING

#### TOOLS | CLEANING

Pen with Refillable Glass Fibre Brush is used for cleaning small, difficult to reach areas on dies. Size of fibre brush:  $\varnothing 4 \times L-40$  mm (1 pcs included).

**A06-A-001** PIC. 5

Pen with Refillable Glass Fibre Brush

#### TOOLS | CLEANING

Glass Fibre Brushes are used for Pen A06-A-001. One package includes 24 pieces.

**A06-A-002** PIC. 5

Glass Fibre Brushes  
 $\varnothing 4 \times L-40$  mm (24 pcs.)

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#### TOOLS | CLEANING

The abrasive Cleaning Block is made from resilient rubber covered with hard abrasive grit. These blocks are ideal for cleaning and polishing all metals.

**A06-A-240** PIC. 5

Abrasive Cleaning Block | Grain 240  
80 x 50 x 20 mm (WxLxH)

The Glass Fibre Brush is ideal for working on large areas of metal. Mainly used to clean dies prior to stamping. They are also used to clean any metal of dirt, oxidation or other corrosion. The Glass Fibre Brush could be covered with rubber or cotton cord.

**A06-A-039**

Glass Fibre Brush | Covered with rubber  
 $\varnothing 20$  mm, L-180 mm

**A06-A-040**

Glass Fibre Brush | Covered with rubber  
 $\varnothing 30$  mm, L-180 mm

**A06-A-041**

Glass Fibre Brush | Covered with rubber  
 $\varnothing 40$  mm, L-180 mm

**A06-A-042**

Glass Fibre Brush | Covered with rubber  
 $\varnothing 50$  mm, L-180 mm

**A06-A-043** PIC. 5

Glass Fibre Brush | Covered with cotton cord  
 $\varnothing 20$  mm, L-180 mm

**A06-A-044**

Glass Fibre Brush | Covered with cotton cord  
 $\varnothing 30$  mm, L-180 mm

**A06-A-045**

Glass Fibre Brush | Covered with cotton cord  
 $\varnothing 40$  mm, L-180 mm

**A06-A-046**

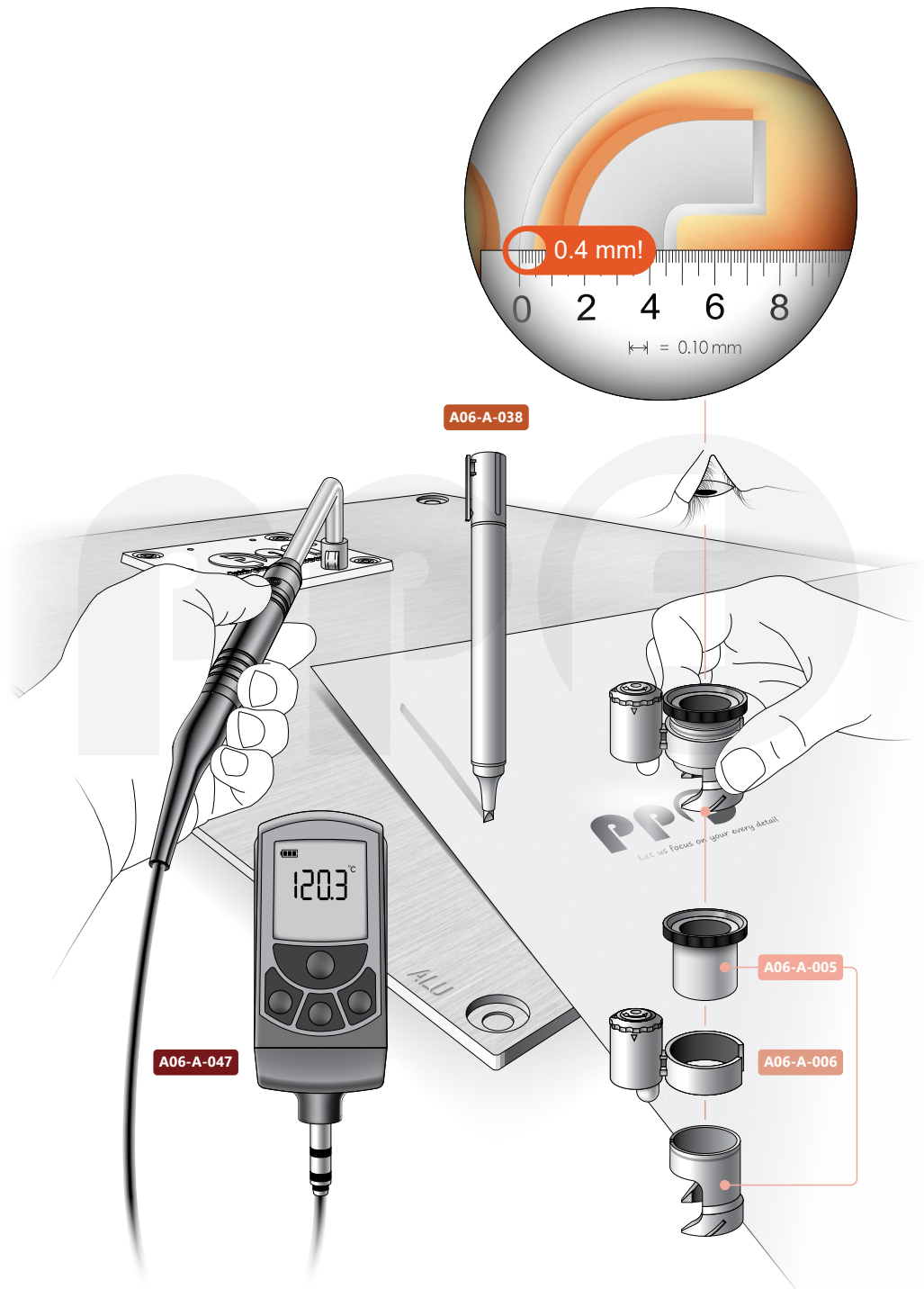
Glass Fibre Brush | Covered with cotton cord  
 $\varnothing 50$  mm, L-180 mm

# **MAKE-READY**

Materials and Tools



## MEASURING



### TOOLS | MEASURING

Eye Loupe with precise lens system includes engraved anti-glare measurement liner. It is used to recognize any kind of mismatches on design. Special tube ensures optimum illumination and stability.

*Can be combined with LED Light (A06-A-006).*

A06-A-005 PIC. 6

#### Precise Eye Loupe

- Magnification: 10X
- Field of View: 10 x 7 mm
- Liner Length: 10 mm
- Minimum Scale Division: 0.10 mm
- Height: 48 mm

### TOOLS | MEASURING

An LED Light helps in dark and poorly lit environments or when UV lighting is required. Batteries included.

*Used with Precise Eye Loupe (A06-A-005).*

A06-A-006 PIC. 6

#### LED Light for Precise Eye Loupe

### TOOLS | MEASURING

Dyne Testing Pen is a cost effective, quick and easy method to measure surface tension qualifying materials for further ink printing or foil stamping on a chosen surface substrate.

How to use: simply draw the Dyne Test pen across the material surface. If the Dyne test fluid remains for 2 seconds or more, the material will have a minimum surface tension (Dyne level) in mN/m of ink noted on pen. If the Dyne test liquid draws back into droplets in less than 2 seconds, it means the surface tension of the substrate is lower than noted on the pen.

Minimum surface tension for ink printing and foil stamping is 38 mN/m.

A06-A-038 PIC. 6

Dyne Testing Pen | 38 mN/m.

### TOOLS | MEASURING

A thermometer measures the temperature of the die surface. It can also be used as a trouble-shooting device to check heat zones on Hot Foil machines.

A06-A-047 PIC. 6

#### Thermometer

- Measuring range: -50 °C ... +500 °C
- Accuracy: DIN IEC 584, Class 1
- Sensor: Ø 15 mm, Length 100 mm, angled
- Sample Rate: Response time (t99): 1.5 s
- Cable: 1 m silicone cable
- Protection class: IP 52

**CONTACT US AND LEARN HOW TO USE ALL  
MAKE-READY MATERIALS AND TOOLS**

[www.ppfstamp.com/contacts](http://www.ppfstamp.com/contacts)



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