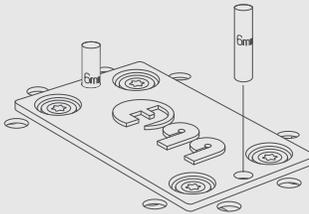
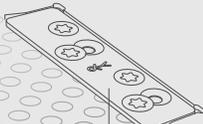
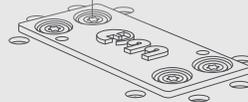
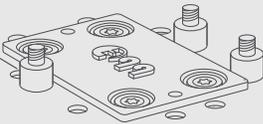


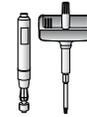
MAKE-READY

Materials and Tools

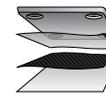


One of the main factors determining the effectiveness of a packaging producer is downtime minimization. To reduce the downtime, we offer our customers MAKE-READY MATERIALS AND TOOLS. They optimize the switching time of stamping and embossing jobs as well as extend the lifetime of tooling and have a direct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



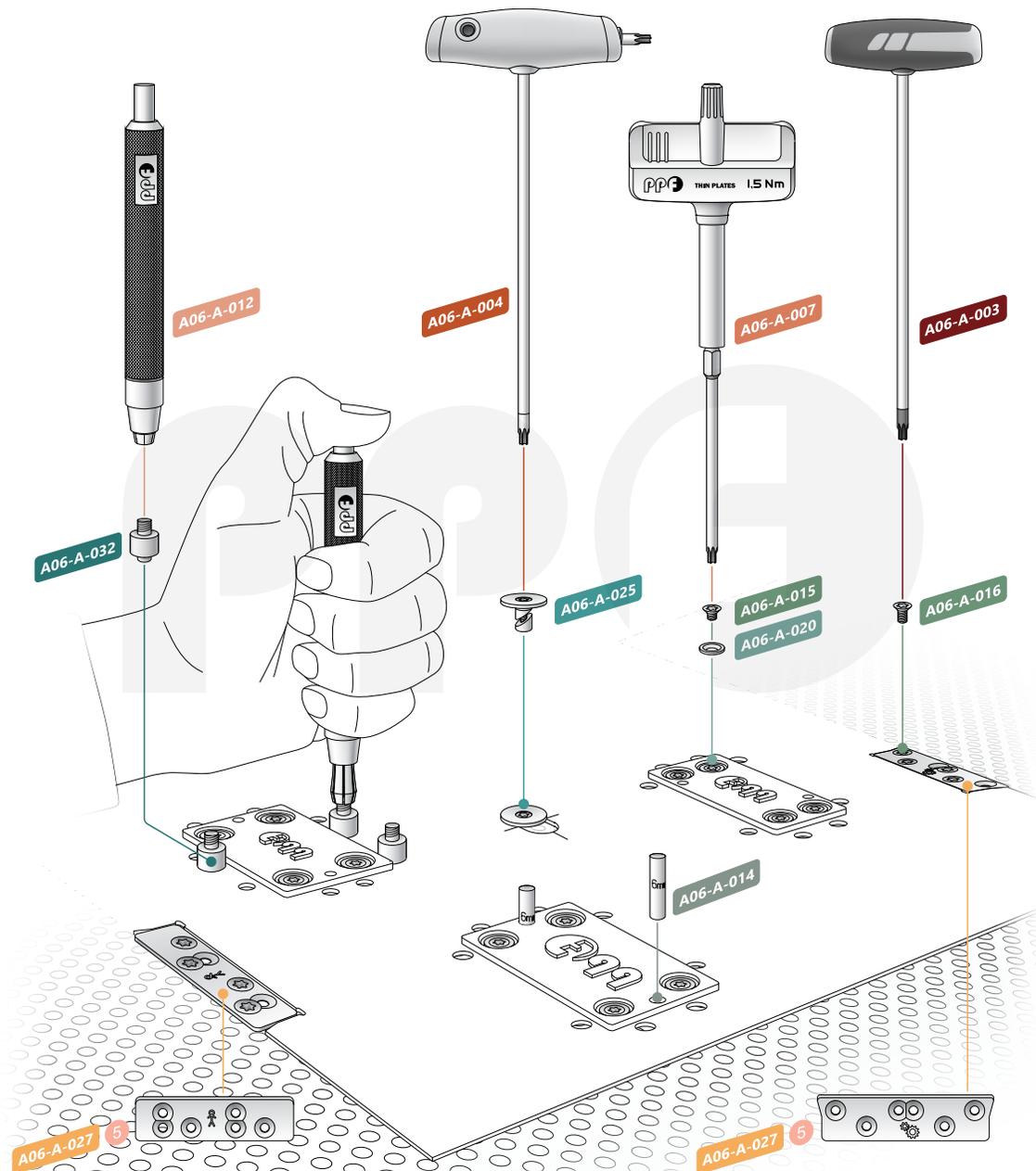
4 MEASURING 17

MAKE-READY

Materials and Tools

1 PPF TOOLS FOR
JOB SAVER PLATES

PPF TOOLS FOR JOB SAVER PLATES



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

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 | 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 | HANDLE

This tool performs several functions:

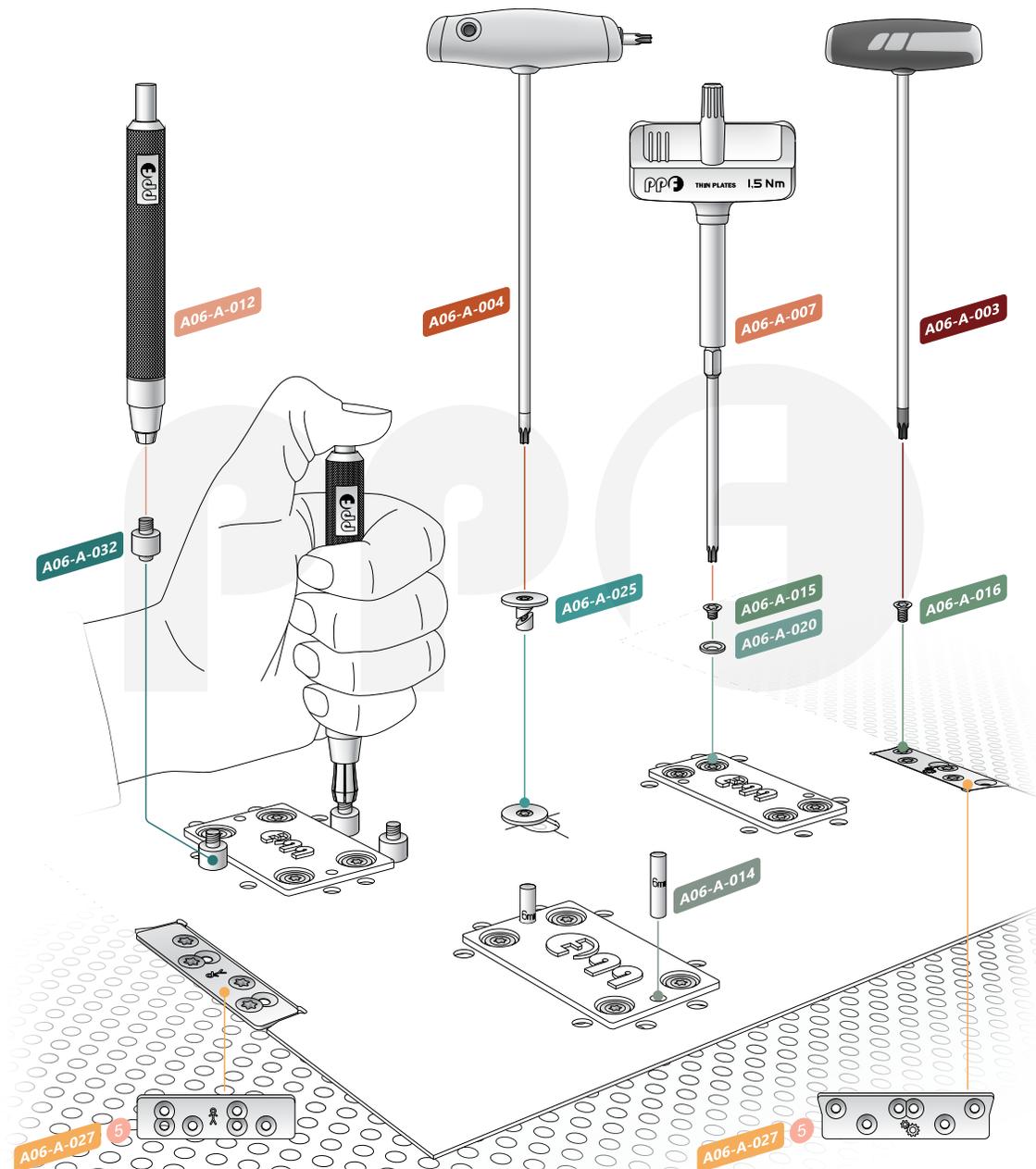
- inserting/removing any size of Die Position Adjustment Pins A06-A-032 when working with hot THP or JSP.
- inserting/removing $\varnothing 6$ Zero Positioning Pins A06-A-014 when working with hot THP or JSP.

A06-A-012 PIC. 1

Tool for Handling:

- Adjustment pins
- Zero positioning pins

PPF TOOLS FOR JOB SAVER PLATES



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 | 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 | 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 | 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

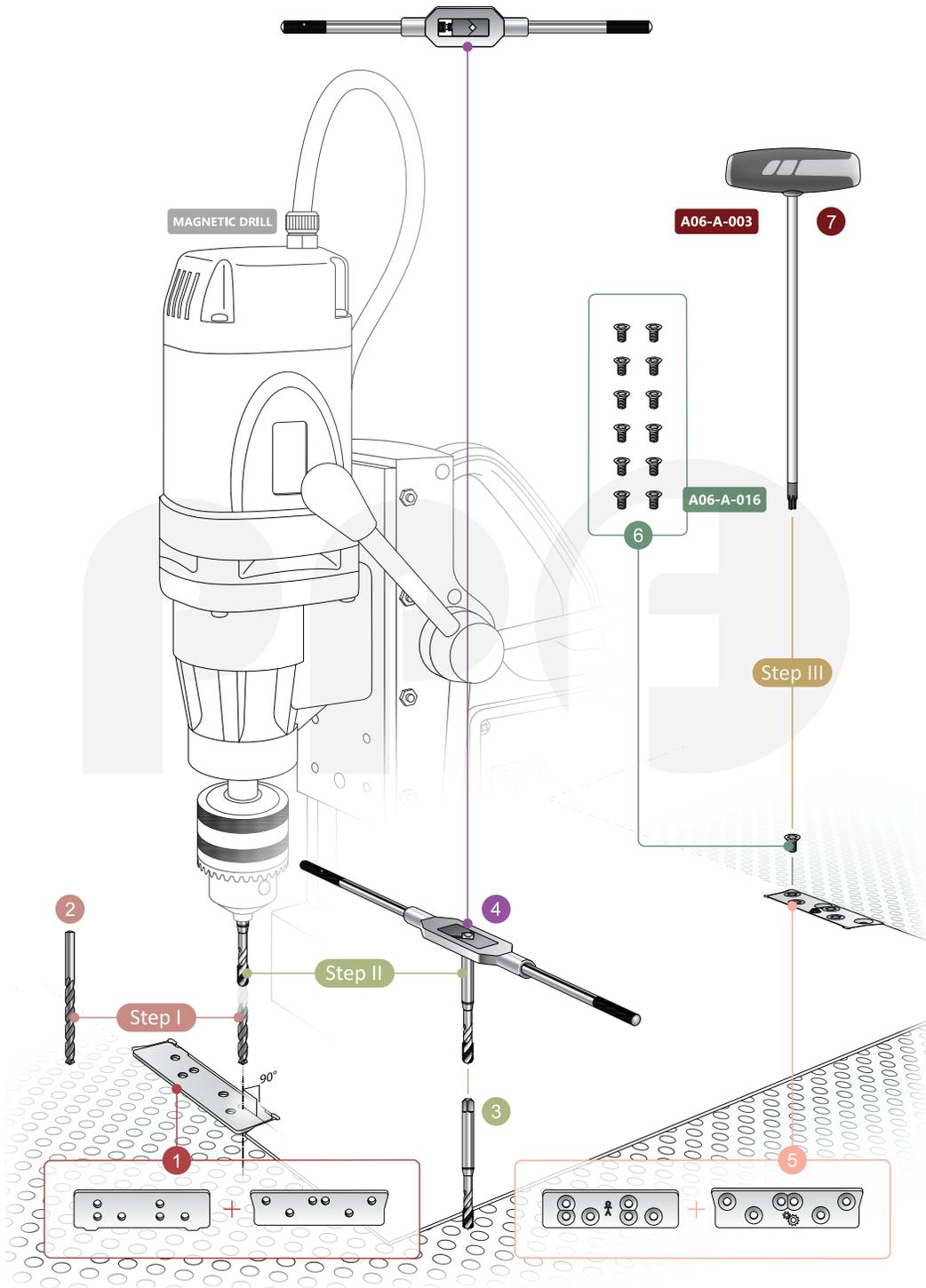
HARDWARE | ADJUSTMENT PINS

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

1 PPF TOOLS FOR JOB SAVER PLATES

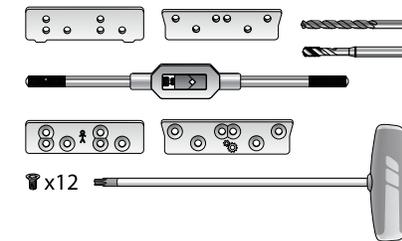


PIC. 2 – Lock-Plates instalation for positioning

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 INSTALATION FOR THP POSITIONING

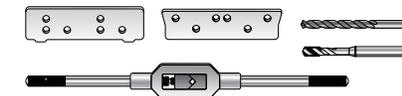
This set of Lock Plates used to fix THP precisely to the previous position onto the Honeycomb is the perfect solution for reducing set-up time.

- 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

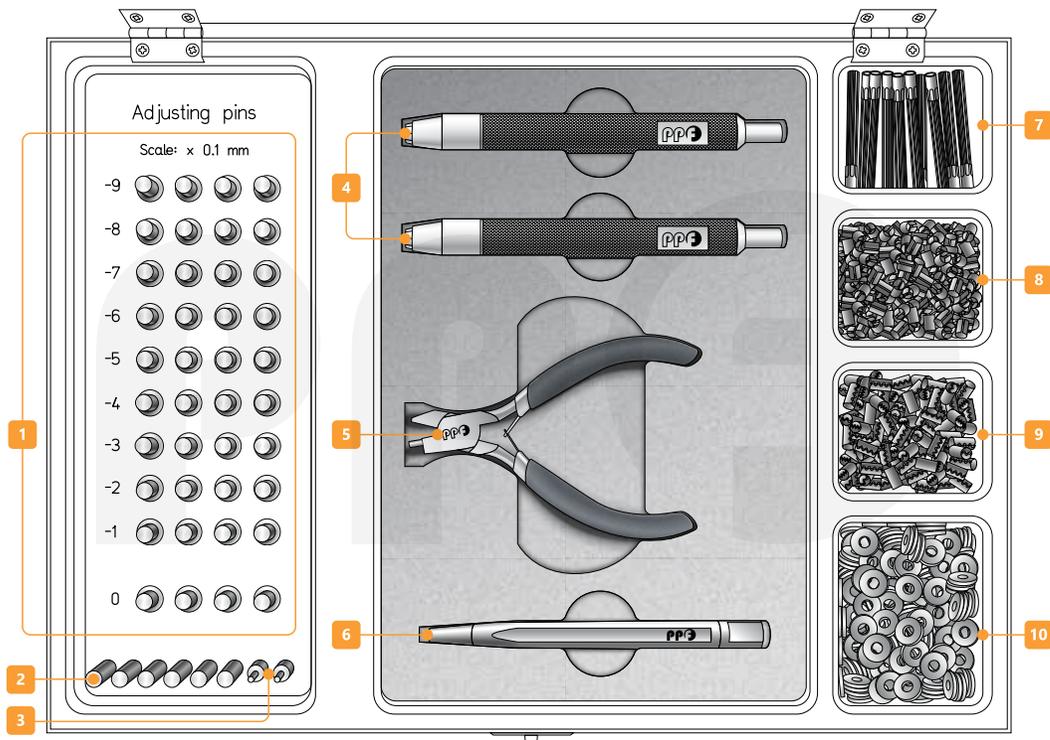
Make sure that THP is matched to the printing. Add Drilling templates 1 to the THP on the Honeycomb and drill the holes with a drill bit 2. It is important to keep 90 degrees between the Drill bit 2 and Honeycomb plane.

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): 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**

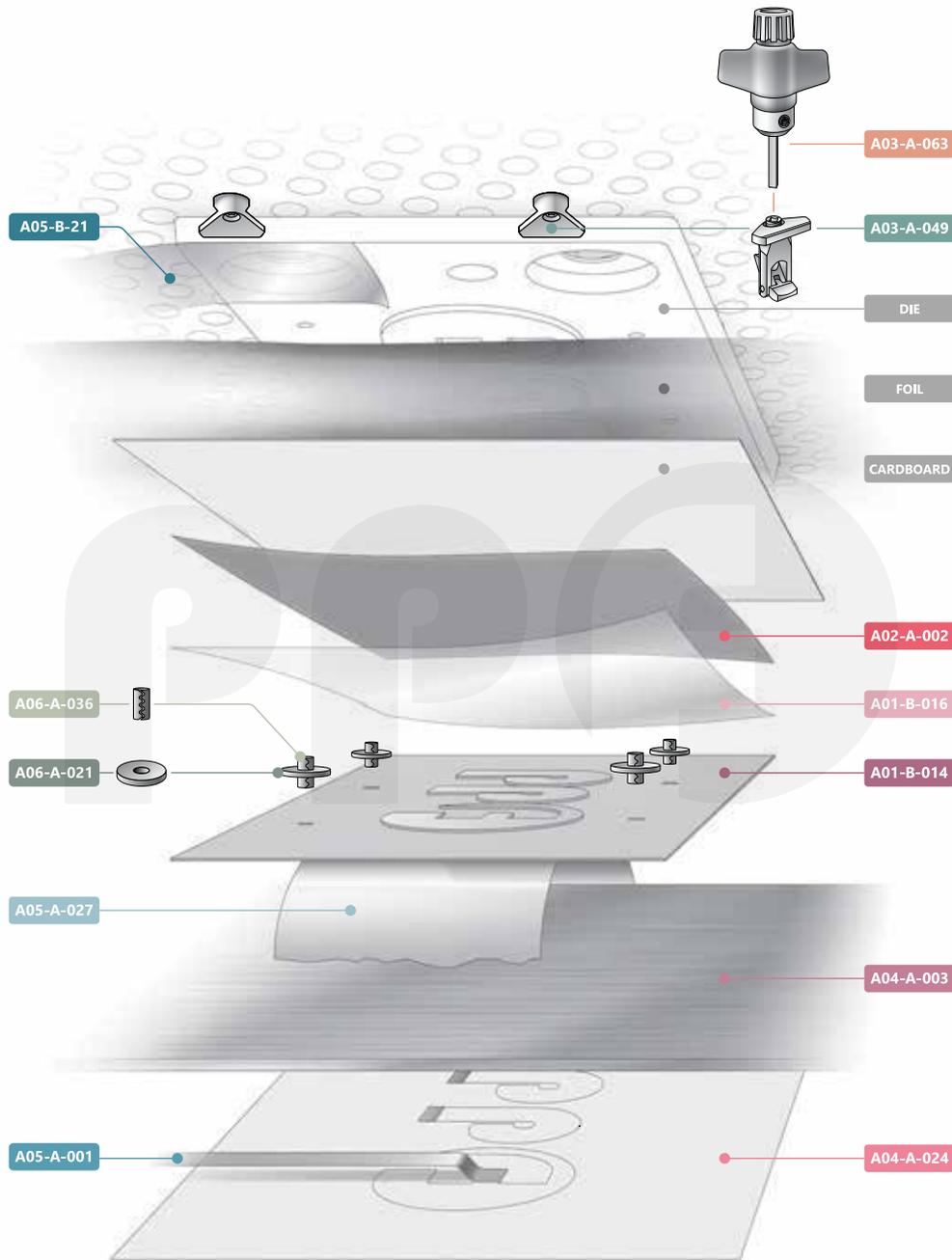
Tool Kit for positioning dies and transfer counter dies

MAKE-READY

Materials and Tools

2 TIME SAVING AND
QUALITY IMPROVEMENT

TIME SAVING AND QUALITY IMPROVEMENT



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

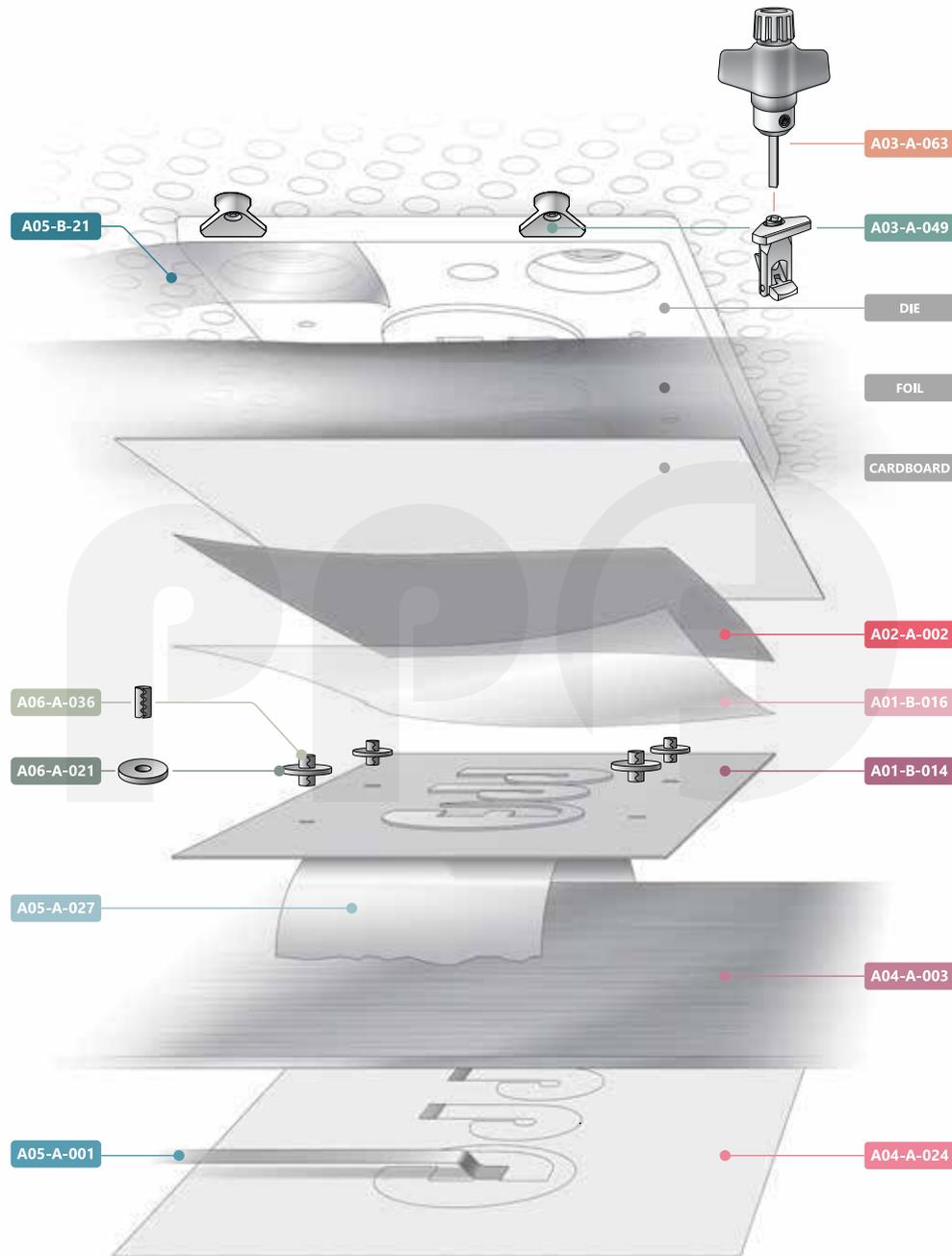
A04-A-006

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 | 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

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)

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)

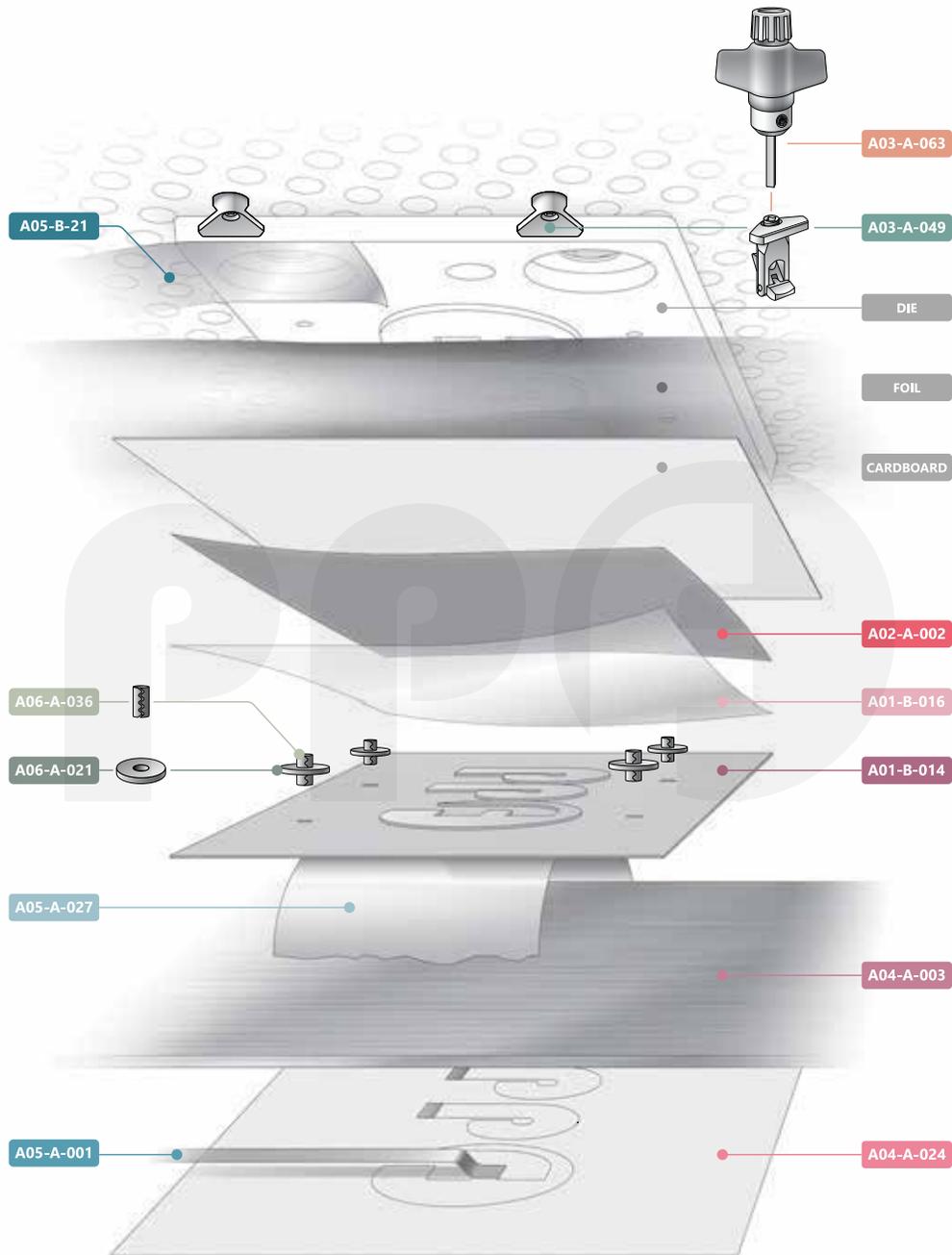
A02-A-007

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)

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 µm

A05-A-001 PIC. 4

Patching Tape | Blue
30 µm x 3 mm x 35 m (TxWxL)

A05-A-002

Patching Tape | Blue
30 µm x 6 mm x 35 m (TxWxL)

A05-A-003

Patching Tape | Blue
30 µm x 12 mm x 35 m (TxWxL)

A05-A-004

Patching Tape | Blue
30 µm x 20 mm x 35 m (TxWxL)

A05-A-005

Patching Tape | Blue
30 µm x 30 mm x 35 m (TxWxL)

THICKNESS 50 µm

A05-A-006

Patching tape | Red
50 µm x 3 mm x 25 m (TxWxL)

A05-A-007

Patching tape | Red
50 µm x 6 mm x 25 m (TxWxL)

A05-A-008

Patching tape | Red
50 µm x 12 mm x 25 m (TxWxL)

A05-A-009

Patching tape | Red
50 µm x 20 mm x 25 m (TxWxL)

A05-A-010

Patching tape | Red
50 µm x 30 mm x 25 m (TxWxL)

THICKNESS 80 µm

A05-A-011

Patching Tape | Yellow
80 µm x 3 mm x 18 m (TxWxL)

A05-A-012

Patching Tape | Yellow
80 µm x 6 mm x 18 m (TxWxL)

A05-A-013

Patching Tape | Yellow
80 µm x 12 mm x 18 m (TxWxL)

A05-A-014

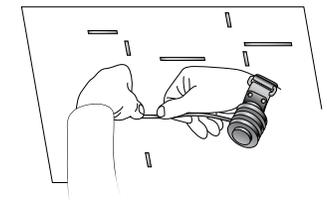
Patching Tape | Yellow
80 µm x 20 mm x 18 m (TxWxL)

A05-A-015

Patching Tape | Yellow
80 µm x 30 mm x 18 m (TxWxL)

TOOLS | HOLDER

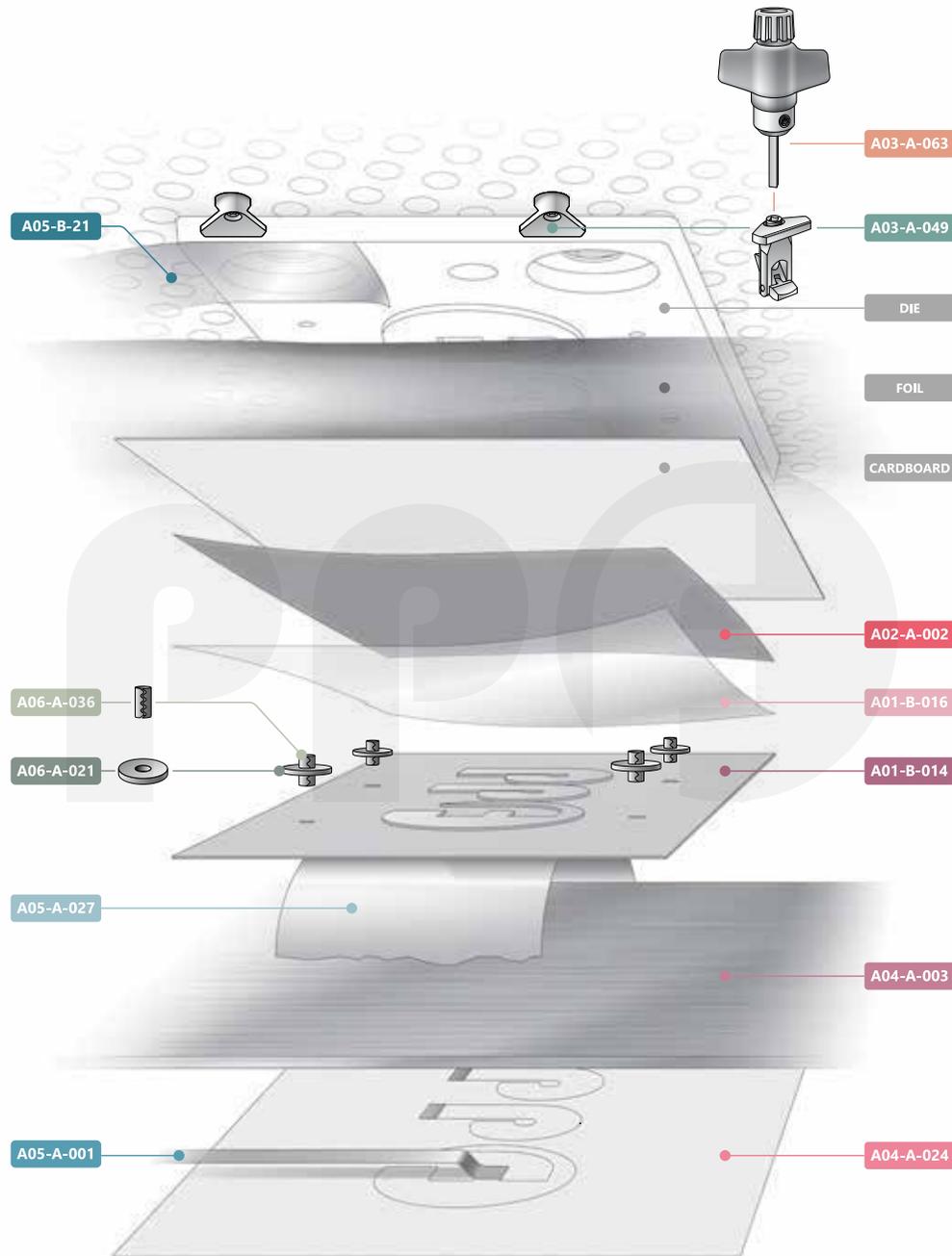
The solution for an operator who is looking for the fastest preparation time. This Patching Tape Holder fastens on the wrist like a watch and is very comfortable to use.



A05-A-016

Wrist: Patching Tape Holder

TIME SAVING AND QUALITY IMPROVEMENT



2 TIME SAVING AND QUALITY IMPROVEMENT

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

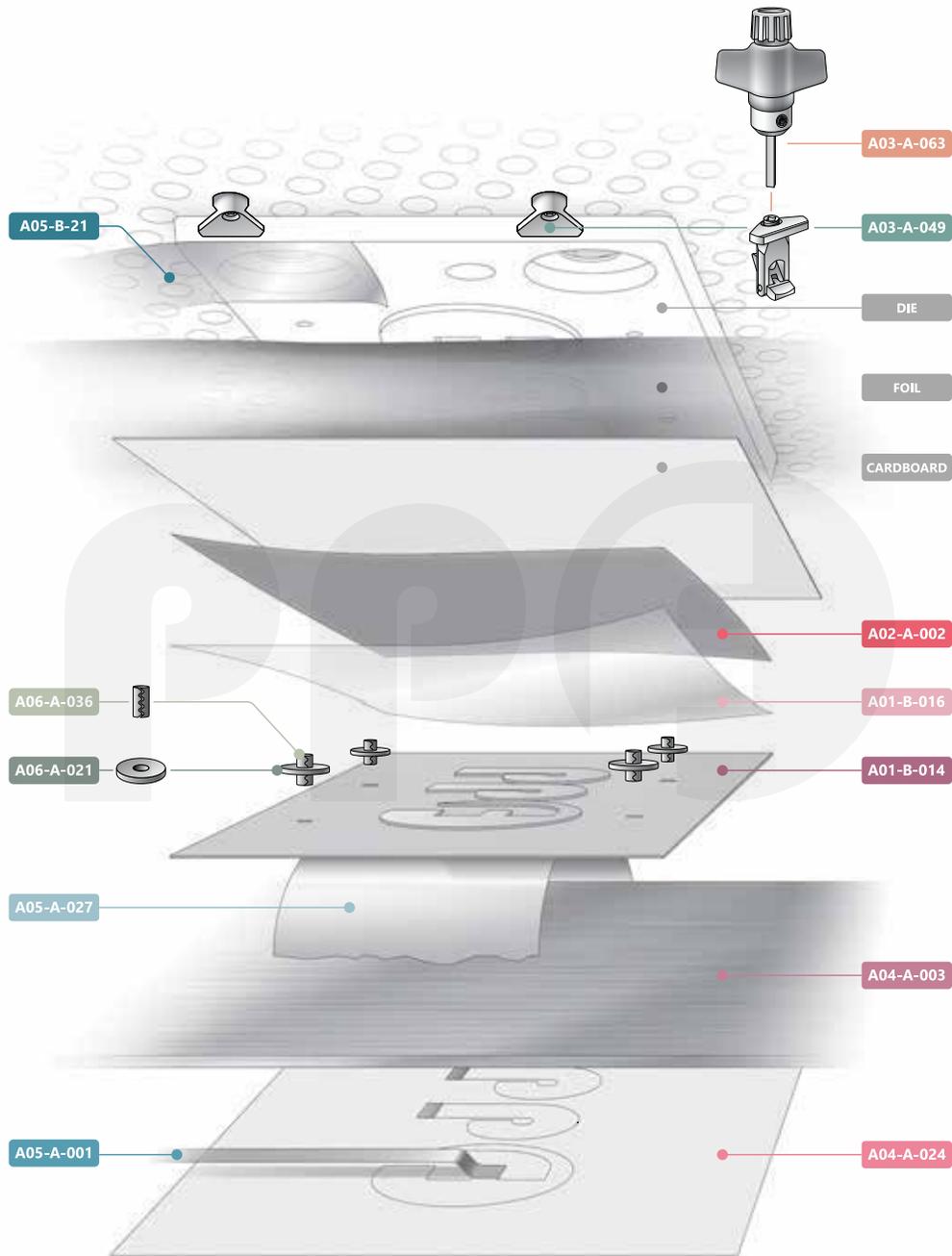
Adhesive tape for Counter Dies | Green
- 100 µm x 310 mm x 25 m (TxWxL)
- working temperatures up to +60°

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



HARDWARE | TOGGLE HOOKS

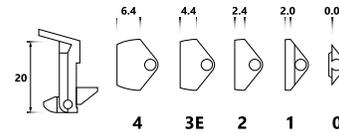
The Toggle Hook device is used to mount an engraved die onto a Honeycomb chase. Two types are available:

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

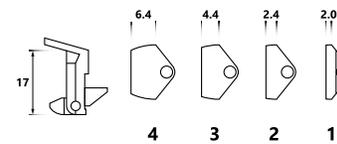
#2 Premium Toggle Hook

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

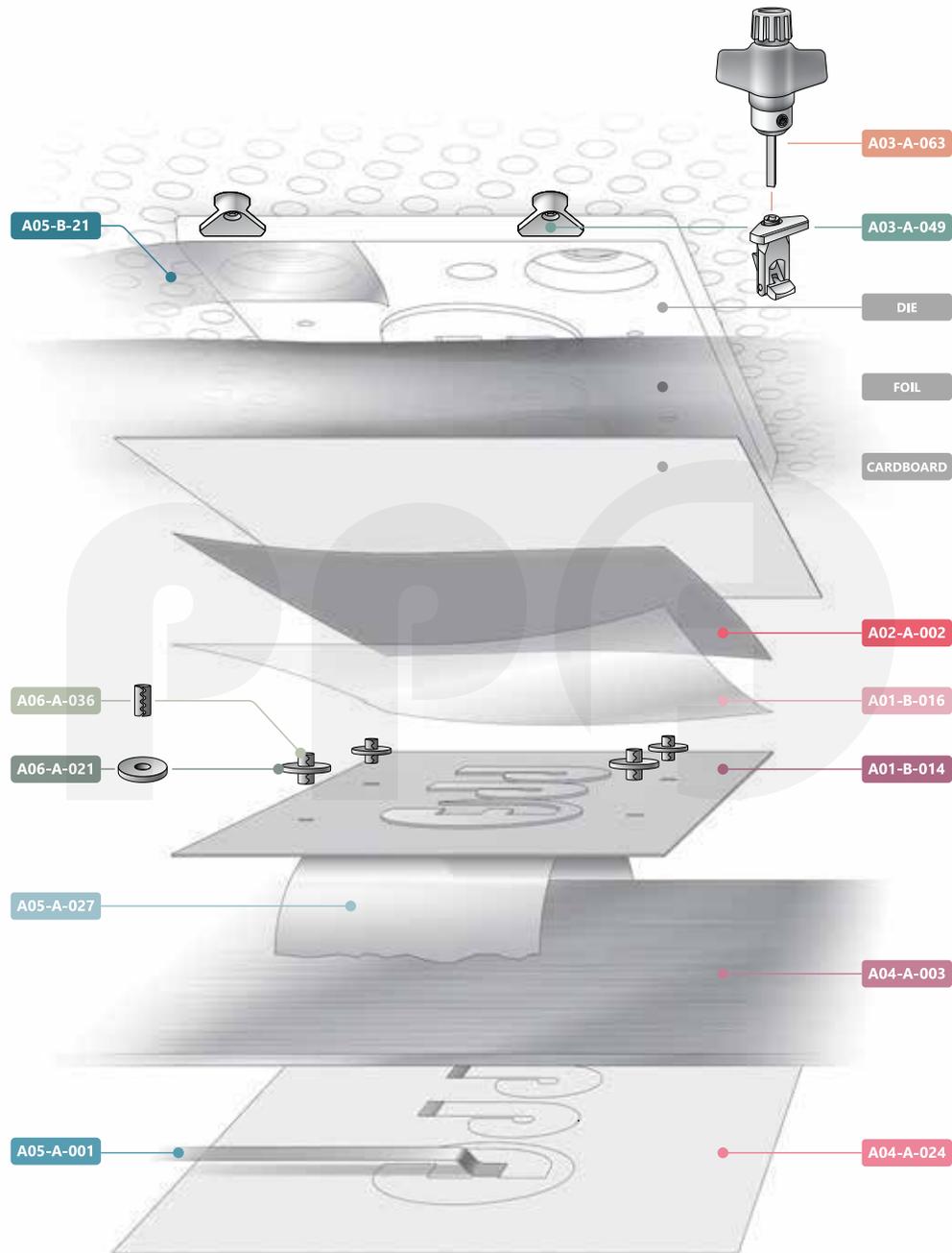
Pack of 10 replacement toggle key bits to insert into Toggle Keys, once existing bits have worn and twisted during operation.

Used with A03-A063 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
 $\text{Ø}10 \times 1.5 \text{ mm}$

A06-A-048

Transfer Washer for Counter Dies | Plastic
 $\text{Ø}10 \times 1.5 \text{ mm}$

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)
 $\text{Ø}3 \times 4 \text{ mm}$ | For 4 mm dies

A06-A-024

Transfer/Alignment Pins (JSP)
 $\text{Ø}3 \times 6 \text{ mm}$ | For 7 mm dies

A06-A-037

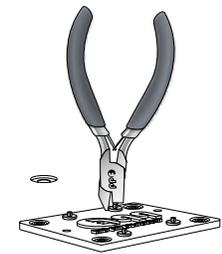
Premium Transfer/Alignment Pins (THP)
 $\text{Ø}3 \times 4 \text{ mm}$ | For 4 mm dies

A06-A-036 PIC. 4

Premium Transfer/Alignment Pins (JSP)
 $\text{Ø}3 \times 6 \text{ mm}$ | 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

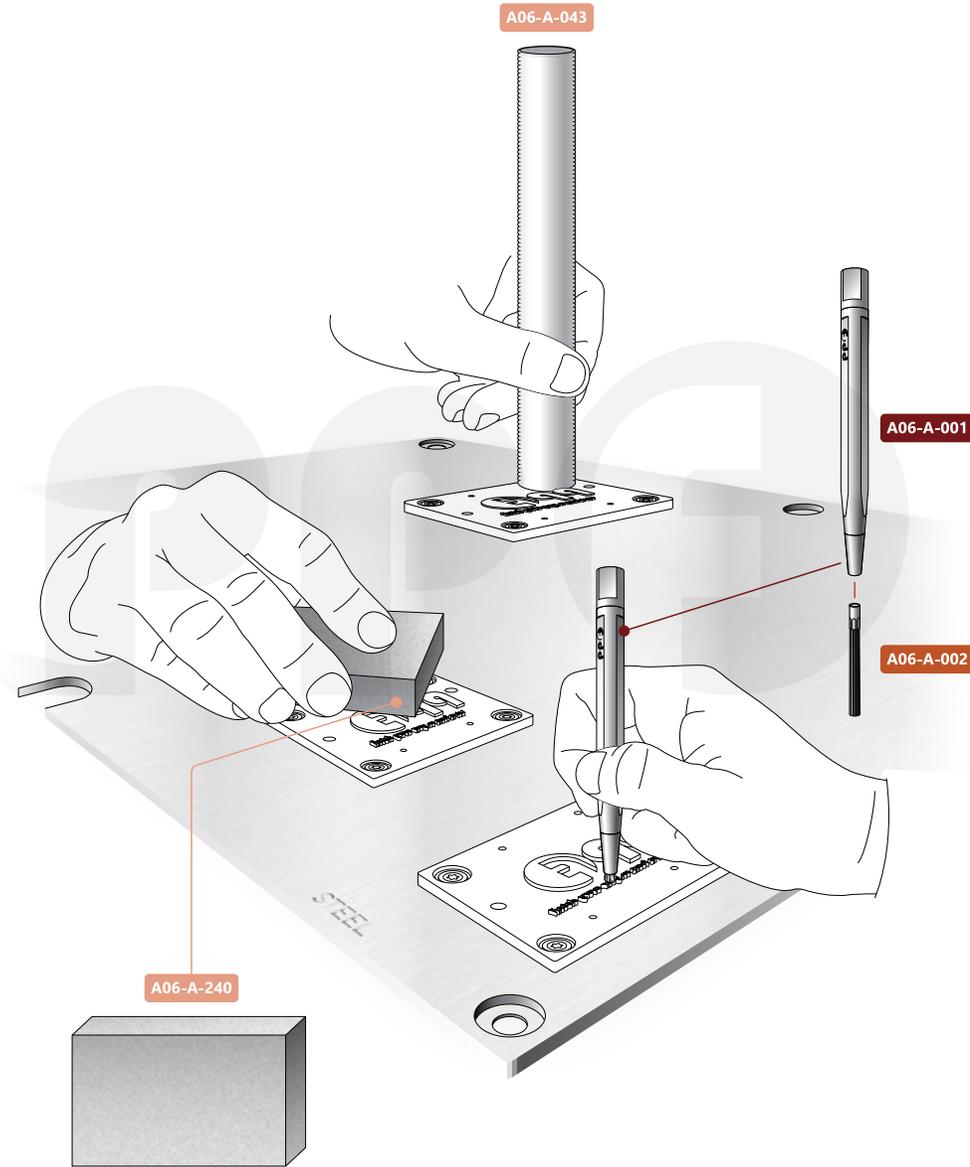
Pliers for Handling Counter Die Pins

MAKE-READY

Materials and Tools



CLEANING



3 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.)

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

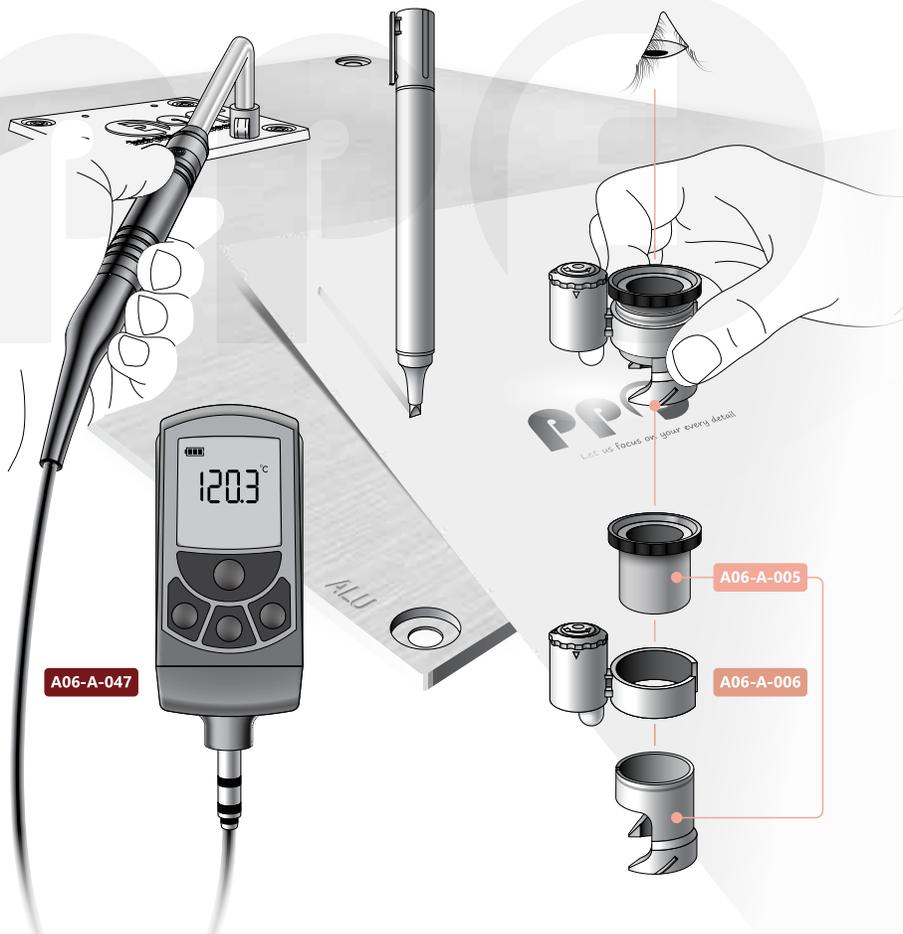
Materials and Tools



MEASURING



A06-A-038



PIC. 6

4 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 liquid 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



MORE INFO AT:



www.ppfstamp.com

