
TECHNICAL INFORMATION

Portable Fingerprint Taking Outfits

Catalog Nos. PFT500PF, PFT500CM, PFT500, PFT600, PFT600PIP

INTRODUCTION

SIRCHIE's Portable Fingerprint Taking Outfits combine maximum portability and efficiency. These units feature collapsible legs, which, when opened and placed on a desk or table, achieve regulation height for rolling and recording fingerprints. The Portable Fingerprint Taking Outfits are available with a regular Porelon® pad or our series of PRINTMATIC™ fingerprint pads, an ink slab and roller or the outstanding PRINTMATIC™ pre-inked Porelon® roller. Each unit features a mounted cardholder and textured-vinyl leatherette carrying case. These outfits may be easily transported or stored. All outfits are supplied with ink cleaning supplies. *Note: Quality materials must be used during the fingerprint taking process in order to obtain desirable results!*

METHOD ADVANTAGES

PFT600—The Ink Slab and Roller method used with this unit requires more skill than the pre-inked roller and pad method, but the prints obtained tend to be cleaner and of sharper contrast. That makes them ideally suited for computer enhancement and database storage.



PFT600PIP—The pre-inked PRINTMATIC™ Roller method of No. PFT600PIP requires no advance preparation because it contains a built-in ink supply. The main advantage of this method is that it requires less skill to roll out a uniform coating of ink to obtain satisfactory prints.

PFT500, PFT500PF and PFT500CM—The pre-inked pad method is an outstanding SIRCHIE innovation that includes distinctively different ink pads that include the PRINTMATIC™ Impeccable Ceramic Pad use with No. PFT500PF, the PRINTMATIC™ Flawless Pads of No. PFT500CM, and Porelon® Pads use with PFT500. The pre-inked methods (Porelon®, Flawless, and Ceramic) combine the advantages of the slab and roller method with the best qualities and usefulness of pre-inked pads.

- **Porelon® Ink Pad:** Introduced by SIRCHIE more than 20 years ago, the Porelon® pad is the accepted STANDARD by law enforcement worldwide and may be used to record thousands of fingerprints. The two-year supply of thermal-impregnated ink is non-fading and dries on-contact in seconds.
- **Flawless Ink Pad (PF):** This revolutionary new concept for recording fingerprints features a specially designed microporous membrane that features a pore size of 7 to 10 microns affording a higher degree of detail in the fingerprint impression. Less pressure is required when rolling fingers on pad's surface so the resulting impression has less distortion. It produces thousands of rolled and plain impressions.
- **Ceramic Ink Pad (CM):** This extraordinary pad offers an approximate pore size of 4 microns, allowing for extraordinary detail in resultant prints. One pad produces thousands and thousands of rolled and plain impressions. The ink impregnated into this pad is specially formulated for use with ceramic material.



CAUTIONS

- Before using this kit, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at www.sirchie.com/support.
- Do not clean the roller with a solvent-based cleaner as permanent damage may result.
- Do not use this roller with standard fingerprint ink as permanent damage will result.
- This roller's ink supply cannot be replenished—ORDER: No. PIP100R Replacement PRINTMATIC™ Porelon® Roller.

PROCEDURES

PREPARING THE INK SLAB

Slab and Roller Method:

- **STEP 1**—First, ink the roller. Apply a small amount (about a 1/4" stream) of fingerprint ink on the right side of the slab, toward the back. Roll a 2"-3" wide layer of ink on the back portion of the slab—lifting the roller off the slab after each stroke and returning to the starting point (*do not use a back-and-forth motion with the roller*). Repeat several times until a thin film of ink forms on roller.
- **STEP 2**—Next, using the same roller motion (*without rolling back and forth*), spread the layer toward the front edge of the slab, until a smooth, uniform coating of ink forms. The front edge is where the fingerprints are rolled. When the ink on the front edge becomes too thin, replenish the ink roller on the back edge of the slab and repeat STEP 2.

PRINTMATIC™ Method:

Like the Slab and Roller method, the PRINTMATIC™ method requires that the operator roll ink onto an inking slab. The difference is that with the

PRINTMATIC™ pre-inked roller, coating the slab requires only a few passes of the roller in the same direction to apply a thin, even layer of ink.

Pre-inked Pad Method:

No advance preparation is needed to use pre-inked pads. However, the pad surface should be cleaned occasionally to remove oil and dirt deposits by wiping the surface lightly with a soft, dry, lint-free cloth.

PFT500 SPECIFICATIONS:

- Dimensions: 27.5" x 16.5" x 7" (69.8cm x 41.9cm x 17.8cm)
- Net Wt.: 15.55 lbs. (7kg)

PFT500 CONTENTS:

- 25- FPT1C1 Super Cleaner Towelettes
- 1- FPT263 Injection Molded Fingerprint Cardholder
- 1- FPT265 Porelon® Fingerprint Pad (PFT500A only)
- 1- PFP700 PRINTMATIC™ Flawless Fingerprint Pad (PFT500PF only)
- 1- EZID300 PRINTMATIC™ Impeccable Ceramic Fingerprint Pad (PFT500CM only)
- 1- PFT500C Black Molded, Copolymer Case, textured w/ handle and molded inserts

PFT600 SPECIFICATIONS:

- Dimensions: 27.5" x 16.5" x 7" (69.8cm x 41.9cm x 17.8cm)
- Net Wt.: 16.1 lbs. (7.3kg)

PFT600 CONTENTS:

- 25- FPT1C1 Super Cleaner Towelettes
- 1- FPT263 Injection Molded Fingerprint Cardholder
- 1- 230T Fingerprint Ink, 2 oz. (59ml) tube
- 1- SRT1C Slab & Roller Cleaner Towelettes, 100 ea.
- 1- FPR300 Unified Fingerprint Ink Roller, 3" (7.6cm)
- 1- FPT258 4" x 10" (10.2cm x 25.4cm) Stainless Steel Inking Slab, mounted
- 1- PFT600C Black Molded, Copolymer Case, textured w/ handle and molded inserts

PFT600PIP SPECIFICATIONS:

- Dimensions: 27.5" x 16.5" x 7" (69.8cm x 41.9cm x 17.8cm)
- Net Wt.: 17.5 lbs. (7.9kg)

PFT600PIP CONTENTS:

- 25- FPT1C1 Super Cleaner Towelettes
- 1- FPT263 Injection Molded Fingerprint Cardholder
- 1- PIP100 PRINTMATIC™ Porelon® Fingerprint Ink Roller System
- 1- FPT205 4" x 10" (10.2cm x 25.4cm) Glass Inking Slab, mounted
- 1- PFT600PIPC Black Molded, Copolymer Case, textured w/ handle and molded inserts

INKING AND ROLLING THE FINGERS

The following recommended procedure is practiced by the FBI.

To avoid possible smearing, always begin the fingerprint taking procedure by inking and rolling the fingers on the right hand.

It is recommended that each finger be inked and rolled individually (i.e., ink the thumb then roll it immediately, ink the forefinger, then immediately roll it, etc.). If all the fingers are first inked and then rolled, there is the chance some ink may be transferred from a finger as it is curled out of the way prior to rolling, thus causing that finger to print lightly when rolled. After the fingerprints on the right hand are recorded, ink and roll the fingers on the left hand. When that is accomplished, record the plain impressions of both hands. An examination of the fingerprint record card reveals that these steps follow the order of the space allotted for each set of impressions.

1. The subject stands to the right and rear of the operator (Fig. 2). The operator grasps the subject's right hand with his right hand, cupping his fingers over the subject's fingers and tucking under those fingers not being inked. He uses his left hand to guide the finger being inked. The right thumb is inked and rolled first. The thumb is inked by rolling it from right to left, toward the subject's body. The thumb is inked from nail to nail to a point just below the first joint. Apply ink one time only.
2. Once the thumb is inked, immediately transfer the ink to the record card in the space numbered 1 (Right Thumb). Roll the thumb from the right side to the left side (toward the subject's body).



FIG. 1—Roll the fingerprint ink evenly onto the slab.



FIG. 2—Position the subject so that his/her forearm is parallel to the floor.

3. Next, ink the right forefinger by rolling the finger from left to right (away from the subject's body, Fig. 3). Ink from nail to nail and just below the first joint. Transfer the ink to the record card by rolling from left to right in space No. 2 (Forefinger). Repeat this process for the remaining fingers by inking and rolling each finger individually (Fig. 4).



FIG. 3—Next, roll the subject's right forefinger on the ink slab.



FIG. 4—Record the print onto the designated space on the record card.

4. Reposition the record card to permit adding impressions from the left hand. Ink the left thumb by rolling it from left to right (toward the subject's body), and then transferring the ink to the record card, Finger No. 6 space, by rolling from left to right.
5. Ink the left forefinger by rolling it from right to left (away from the subject's body). Transfer the ink to the record card by rolling it from right to left. Ink and roll the remaining fingers individually.
6. Plain (Slap) impressions are taken last. Reposition the record card to permit entry to the bottom area of the record card. Ink the left thumb by pressing it straight down onto the ink pad. Transfer the ink to the Left Thumb box in the plain impression area.
7. Ink the remaining four fingers of the left hand simultaneously by pressing them straight down onto the pad (Fig. 5). Position all four fingers at a slight angle and press them onto the plain impression area



FIG. 5—Ink the remaining four fingers for a plain impression after printing the thumb.

for the left hand of the record (Fig. 6). This angle is necessary to permit all four finger impressions to be recorded in the space provided.

- Repeat this procedure for the thumb and remaining fingers of the right hand.



FIG. 6—Position all four fingers at a slight angle, pressing them on the record card.

