

*touch*Chip®

Hand and Finger Preparation and Cleaning Recommendations

Document revision <1.0.1 >
June 2004



Table of Contents

1	Introduction.....	2
2	Preferred Finger Preparation and Condition	2

1 Introduction

In normal use conditions dirt, residue, oils, or other material can collect on the users finger resulting in poor collection of fingerprint data, leaving portions unrecognizable, or creating false failures within the application. Performance degradation in terms of False Match and False Non-Match are possible under these conditions. Key elements of capture quality are the consistency within the print signal and the background noise from other sources. Software algorithms are more accurate and generally faster when the print capture quality is consistent.

For best and most consistent results it is recommended that the user ensure their fingers and hands are clean and free of any residues that may alter the sensors performance.

2 Preferred Finger Preparation and Condition

Proper preparation of fingers and hands will minimize the accumulation of deposits. Following these simple recommendations will increase the interval between sensor cleanings.

1/ Use warm or hot water rinsing for dirty hand/fingers.

Removal of dirt should be done by rinsing hands with fresh warm or hot water whenever possible. A water flush over the hands is preferred over a water bath. The addition of water softeners is recommended if the only available water is hard.

Caution: If a soap is used to help dirt removal then it is recommended to thoroughly rinse with fresh water, followed by a second warm or hot water rinse as described above. Mineral deposits can accumulate quickly if soap is used and sometimes are difficult to remove from the skin.

2/ Use Alcohol as cleaning agent.

Alcohol is the recommended cleaning agent for finger skin in high humidity conditions. Rubbing a commercially available alcohol saturated wipe on the surface of the finger prior to placing it on the surface of the sensor is preferred. Allow sufficient time for the excess alcohol to evaporate.

In areas were skin may be dry, lotion may be applied to moisten the skin.

Information furnished is believed to be accurate and reliable. However, Upek, Inc assumes no responsibility for the consequences of use of such information not for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of Upek, Inc. Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. Upek, Inc's products are not authorized for use as critical components in life support devices or systems without express written approval of Upek, Inc.

The Upek logo is a registered trademark of Upek, Inc. TouchChip, TouchStrip, PerfectPrint, PerfectMatch, PerfectTrust, Protector Suite and Protector Suite QL are trademarks or registered trademarks of Upek, Inc. All other products described in this publication are trademarks of their respective holders and should be treated as such.

© 2004 Upek, Inc - All Rights Reserved

Upek, Inc.
<http://www.ypek.com>