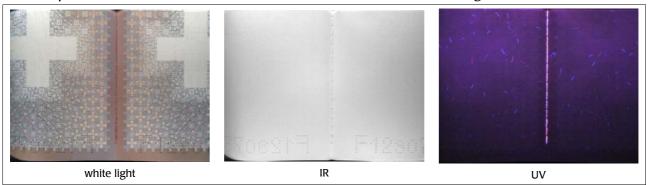


Büelrebenstr. 10, CH-8185 Winkel-Rüti, Switzerland Tel. + 41 44 860 22 33 email: info@sp-consulting.ch Fax. + 41 44 860 26 16 web: www.sp-consulting.ch

Security Passport Sewing Threads

CH Passport, red-white Tread with UV fluorescence in both colors under UV light



Sewing style: Interlocked stitching - step stitching

NG Passport, white sewing thread with yellow-green fluorescence under UV light



Sewing style: Chain stitching - double loop lock stitching

TW Passport, white thread with bluish fluorescence under UV light



Sewing style: Chain stitching - double loop lock stitching

Chain stitching - double loop lock stitching (on Kugler and Uno Machines)

The layers are sewn by a high-speed chain-stitch sewing machine. The stitch length is approx. 5 mm. The thread between the 2-ups is cut off. We recommend to use special thread for high-speed sewing.

Recommended thread: SPC-Ascoran





Büelrebenstr. 10, CH-8185 Winkel-Rüti, Switzerland Tel. + 41 44 860 22 33 email: info@sp-consulting.ch Fax. + 41 44 860 26 16 web: www.sp-consulting.ch

Interlocked stitching - step stitching (on Kugler)

The 2-up layers are sewn by 2 sewing machines for programmatic interlocked stitching with the possibility of backstitching. Each station sews one half of the layer. Stitch length fix: approximately 4,5 mm.

The layer is positioned, fixed by the first stitch and then taken by the transport system of the sewing machine and one "booklet" is sewn. Then the layer is transported to the second sewing machine for the sewing of the other "booklet".

The number of reverse stitches is programmable. The control of the upper thread is integrated. Concerning the lower thread, the machine is stopped after a pre-selected quantity for the change of the thread bobbins. The sewing machine stops before the bobbin is empty. The bobbins are sufficient for approximately 250 2-up sections. The duration of the change of bobbins is approximately 1 min/machine.

Recommended thread: SPC Ascoran.

Security Threads for ID Cards

CH ID card, embedded blue UV fluorescent cotton thread



Temperature resistant cotton thread suitable for embedding in multilayer Polycarbonate ID cards.

Recommended thread: SPC-Ascoran BEF