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FEATURES: Improving measurement data import | Passport to adhesion innovation | Replace, reduce and recycle | Expect innovation and much more | Total flexo pre-press solution | Static neutralising App



Kugler-Womako has developed a passport machine which utilises a polyurethane hot-melt adhesive instead of traditional glue and another which inserts RFID chips

Improved adhesion

The passport goes through a series of steps during production. In the first step, the pages of the passport two-up are cut into individual pages. In the second step, the pages from PassPort 1 are printed with a chip and/or chip inlays. In the third step, the chip and/or chip inlays are inserted into the pages. In the fourth step, the pages are printed on the PassPort Chip. In the fifth step, the pages are printed on PassPort 3 the pages are printed one-up. In the sixth step, the pages are printed with a die-cutting. In the seventh step, the passport is given a laser perforation. At the end of the process, the passport can be personalised.

ie was used in the
er book and cover. On
1 for NPA, the gluing
pted for polyurethane
(JR).

Wornako has modified and replaced the applicator roll with a PUR adhesive roll to be processed at 140°C. A glue quantity detecting camera application of the surface to be glued. The PUR adhesive process and hardens the linking of PUR

PassPort chip insertion

full passport number or are already fitted with a normally goes inside. NEA expressed disappointment between middle of the passport is protected. On basis of the chips it was production spoilage to minimum. NEA developed a new y to the customer. The

Trusting cooperation

and technicians at Kugler
 ted closely together with NIA
 ng their customer's wishes.
 uch appreciate the machine
 of the staff at Kugler "ornal op,
 mechanics and technicians"
 Atwell, passport production
 PA.

the manufacture of the new passports in Australia has lead since September 2013.