

APPLICATION



The Best equipment for The Best process

With PEJA KOREA

BANK NOTE PRINTING (SECURITY PRINTING) ROTARY SCREEN TECHNOLOGY

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APPLICATION: BANK NOTE PRINTING

BANK NOTE PRINTING (Particles Printing)



Advantages:

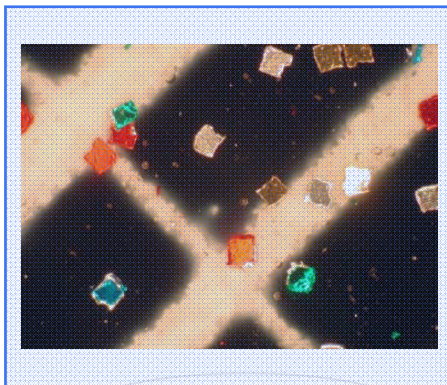
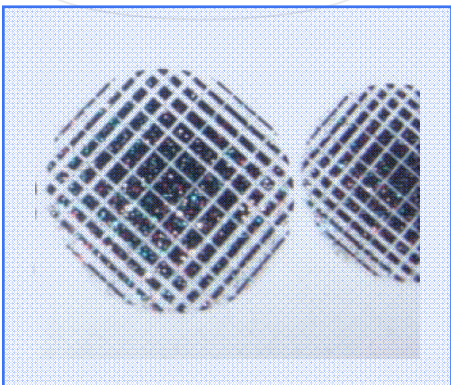
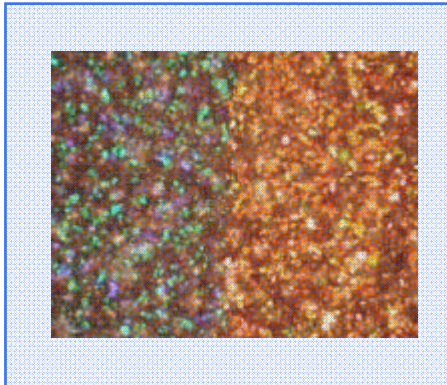
High deposit, Fine lines with Particles

Applications:

Security, Brand protection, Bank Notes

Customers:

Europe, UK, Sweden, Russia and China



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SOLUTIONS: BANK NOTE PRINTING

Special Non-woven screens for Security printing

| Screen specification | Hole diameter (micron) | Wet ink deposit (μm) | Remarks | Advantages |
|-------------------------------------|------------------------|----------------------|---|--|
| OVI 16 88R-215 70 um 25 % | 59 | 16 | released for OVI on Euro Bank notes Corresponds with, 230-61um 25%, 55um 16 gr, | Seamless Lifetime increase 2-4 times |
| IRI 22 88R-160 70 um 31 % | 88 | 22 | Under development for Iridescent Corresponds with 180- 67um 33%,80um 22 gr Expected release Q-2 2009 | Seamless Lifetime increase 2-4 times |
| OVI 13 88R-215 70 um 19 % | 52 | 13 | Under development for OVI: Expected release Q-2 2009 | Ink savings because of 15 % reduced ink deposit Shorter curing time Less sheet sticking |
| IRI 18 88R-160 70 um 25 % | 79 | 18 | Feasibility for Iridescent Expected release Q-2 2009 | Ink savings because of 15 % reduced ink deposit Shorter curing time Less sheet sticking |



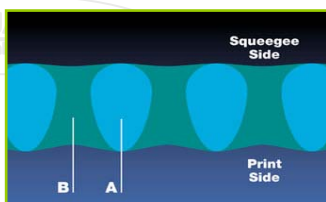
Special Screens for OVI & IRI Paste

- Opticaly Variable Ink / Paste
- Iridescent Ink / Paste

고가의 Security목적용 Paste의 사용시, 고가의 Paste에 대한 사용량은 줄이면서, 작업에 대한 Loss를 줄이고 Down time을 감소할 목적으로 사용되는 OVI and IRI Paste 전용 Non-woven Rotary screen material입니다.

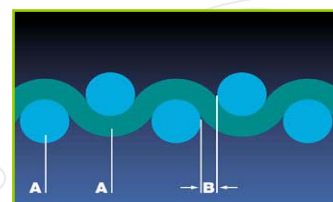
각각의 Particles에 대응 할 목적으로 Paste 및 Particles의 흐름과 분산에 최적화된 Mesh hole을 가지고 있으며, 매우 견고한 안정적인 Structure을 가지고 있어 500,000 M 까지 사용이 가능합니다.

Non-woven screen은 Squeegee의 마모가 거의 발생하지 않으며, 매우 안정적인 구조가 있으므로, 항상 균일함을 유지해야 하는 Security printing시 매우 적합하며, 대량의 인쇄를 하는 조폐인쇄의 경우, 500,000M 의 Screen 수명은 오랜 작업동안 작업의 중단이 필요 없어 Down time을 감소하고, Screen교체시 낭비되는 Paste을 원천적으로 봉쇄합니다.



Non-woven mesh

- Better Ink / Paste flowability
- Smooth squeegee side
- Less paste blockage
- Very stable



Woven mesh

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Estimated Savings & Performance



| Available Screen types | Remarks |
|-------------------------|--|
| OVI 16 (gram/m2) | Released for OVI Expected lifetime increase 2-4 times |
| IRI 22 (gram/m2) | Feasibility for Iridescent |



| Savings | Estimated savings With Stork Prints |
|---|---|
| Screen costs (Life time) | 2 – 4 Times longer |
| Ink costs | 15% savings |
| Down time (basing on 150 screens per year) Screen changing Sticking of sheets Production stops | 100 stops per year 100 hours more production Higher print speed |



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