Claims

1. Processing system for a web, comprising:
a conveying mechanism configured to feed a continuous web of material along a conveying path in the processing system;
a first printing cylinder having a first diameter and a first printing pattern, the first printing cylinder being arranged adjacent to the conveying path and configured to print a first image pattern on at least one surface of the continuous web;
at least one second printing cylinder having a second diameter different from the first diameter and a second printing pattern, the second printing cylinder being arranged adjacent to the conveying path and configured to print a second image pattern on top of the first image pattern on the continuous web; and
a system controller coupled to the conveying mechanism and configured to control the conveying mechanism according to at least one registration procedure,
wherein the system controller is configured to selectively disable at least one of the registration procedures when printing the first and second image patterns to print a final random image pattern on the at least one surface of the continuous web.

2. Processing system according to claim 1, wherein the first printing pattern and the second printing pattern are different.

3. Processing system according to one of the claims 1 or 2, wherein the registration procedures comprise one or more of control of web conveying speed, control of lateral web alignment, control of conveying path length between the printing cylinders and control of web tension.

4. Processing system according to one of the claims 1 to 3, wherein the system controller is further coupled to the first printing cylinder and the at least one second printing cylinder and configured to drive the first printing cylinder and the at least one second printing cylinder at different rotational speed.

12. Method according to claim 11, wherein the first printing cylinder and the at least one second printing cylinder are driven at the same tangential speed.

13. Method according to one of the claims 6 to 12, wherein printing the first and second printing pattern comprises transferring compositions onto the at least one surface of the web comprising at least one of an ink, a varnish and a wax onto the at least one surface of the web.