

# Remote Registration System for the Stolle Concord Decorator

PRODUCT INFORMATION



The Stolle Remote Registration system allows the plate cylinders on a Stolle Concord Decorators to be registered remotely with greater ease, accuracy and safety. Decorator operators will be able to easily adjust the plate cylinder for each ink station from the HMI screen, eliminating manual “wrench” adjustments on the machine itself, increasing operator safety. A Remote Registration system for the Rutherford Decorator is currently under development.

The Remote Registration system provides semi-automatic adjustment of the plate cylinder registration mechanisms. It uses pneumatic (air) motors to make adjustments in three axes:

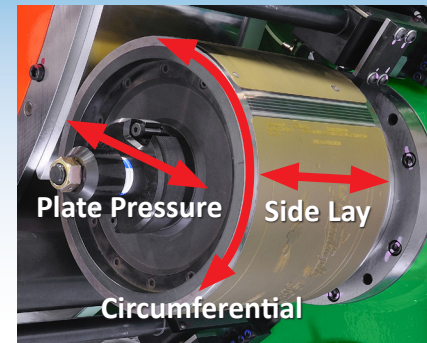
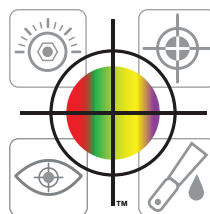
- Side lay registration (up and down) – up +0.251” and down -0.281”
- Circumferential registration (left and right) – left +0.065” and right -0.065”
- Plate pressure (gap between plate cylinder and blanket wheel)

The air motors are capable of making fine adjustments which are verified by sensors and displayed on the HMI screen. The operator can select between Automatic and Manual modes: in Automatic mode, specific values are entered and the PLC control system adjusts the plate cylinder accordingly; in the Manual mode, adjustments are made in real time by pushing a plus (+) or minus (-) button on each axis to move the cylinder.

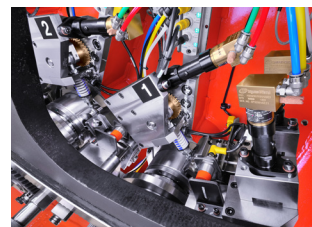
Benefits of the Stolle Remote Registration system include:

- Reduces HFI (“Hold For Inspection”) cans
- Less time to make an adjustment after inspecting cans (no need to walk over to the machine)
- Reduces scrap cans produced during a label change
- More consistent can decoration quality
- Helps maintain high decoration quality with less skilled and experienced operators
- Short learning curve – fast operator training
- Faster label change time

The Stolle Remote Registration System is designed to complement the new **Inkjector™** system that allows the ink fountain keys to be remotely adjusted from the HMI screen rather than manually on each ink station. Both of these systems are part of the **Smart Decorator™** printing automation system under development by Stolle.



Concord plate cylinder showing the 3 adjustments accomplished by the Remote Registration system

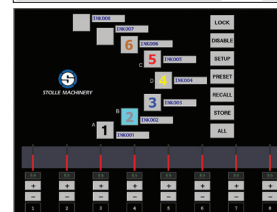


**Above:** Air motors that make fine adjustments to plate cylinder shafts in 3 axes



**Right:** Sensors that verify adjustments made by air motors to plate cylinder shafts

STOLLE MACHINERY REMOTE REGISTRATION FOR CONCORD DECORATOR									
REMOTE REGISTRATION AUTO CONTROL									
REMOTE REGISTRATION BY AXIS									
Ready, limited to one move at a time									
Axis	Position	Min Pos	Max Pos	Min Vel	Max Vel	Min Acc	Max Acc	Min Dec	Max Dec
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
PL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



Smart Decorator HMI control station (right) and screens for Remote Registration (top) and Inkjector functions (bottom)



For more information and pricing on the Stolle Remote Registration system for Concord Decorators, please contact:

**Andy Layden**

+1 303-708-5109 • [andy.layden@stollemachinery.com](mailto:andy.layden@stollemachinery.com)  
[www.stollemachinery.com](http://www.stollemachinery.com)

SUSTAINABLE TECHNOLOGY LEADERSHIP



Copyright 2024 Stolle Machinery Company, All Rights Reserved