

Chambered Doctor Blade System

Q: Who is responsible for insuring that the retrofit is measured/designed correctly?

A: We assume all responsibility. Your price includes a measurement trip by an H&B technician to measure your press. Installation can be done by any of our service technicians, which are geographically located in strategic locations worldwide.

Q: Do you offer different porting styles?

A: Yes we do. Standard ported systems are sealed on the end and are ideal for short run applications. We also offer a flow through style porting where the ink drains into a narrow trough that runs underneath the chamber. This trough catches all leaks associated with trail doctoring and seal leaks from very long runs. This option is recommended for long ink and coating runs.

Q: What are the main advantages of HydroComp over mechanically loaded or air loaded systems?

A: HydroComp linear loading automatically compensates for blade wear, which eliminates the need for operator adjustment. The use of oil allows for very low loading pressure, which eliminates scoring of the anilox roll. We guarantee blade life to be a minimum of double over mechanically loaded systems. With HydroComp you get the automatic compensation for blade wear as well as a stiff loading system that will not move away from the anilox roll due to machine vibration or plate cylinder impact.

Q: How long can you make chambers?

A: Because of our unique HydroComp loading system, we have made chambers up to 220" in length. We specialize in custom applications and can manufacture chambers even wider. These cylinders are spaced no more than every 14" across the back of the chamber and are supported by a very heavy tubular cross member.

Q: Does your system leak?

A: All chambered systems leak to a degree. Our system leaks less than all others due to several significant design features:

- All seals are custom cut on an in-house water jet machine. Seal profile matches anilox roll diameter and blade configuration precisely. Most all other suppliers die cut seals, which are not as precise.
- The outboard support points on the chamber are no more than 6" from the end of the chamber. These supports are mounted to the most rigid cross shaft in the industry, which eliminates chamber deflection.
- HydroComp air/oil loading system keeps the chamber in a rigid position against the anilox roll. These upgrades to the H&B system have virtually eliminated complaints of leakage.