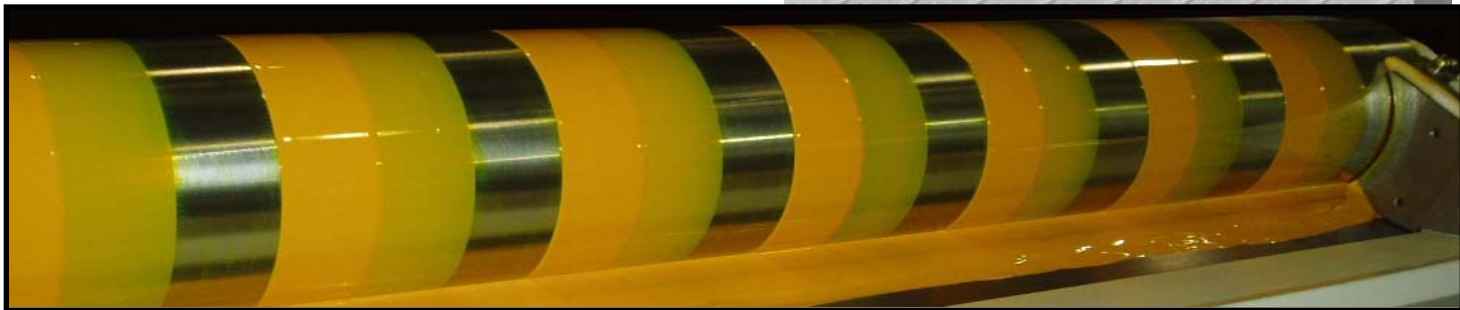




## Segmented Ink Blade



### The Ultimate Ink Control

**A**SI's segmented ink blade design gives the pressman **total flexibility across the entire ink fountain**. Our unique design eliminates inherent problems with solid, sculptured, and laser cut blades.

The ASI segmented ink fountain blade is **not** made from one piece of steel that is laser cut or milled. ASI's blade gets its start from precision ground (+/- .00005) individual ink keys, which are then bonded to a common glue plate. The results are incredible ink control with no side effects.

- Just Set It & Forget It
- Extends Actuator Life
- No Leaks; No Maintenance

### Other Blade Design Limitations

**S**olid & Sculptured blades physically limit ink control due to **blade flex** and **connecting keys**. The result is chasing color, longer make-readies, & reduced color quality. When adjusting one ink key the blade flexes. This flexing changes the ink profile in other areas across the ink fountain. To complicate things further as the pressman adjusts one key that adjustment can impact up to 5 neighboring keys because the keys are connected to each other.

Some ink control systems try to help by electronically limiting ink key control through software. The software limits ink key actuator travel based upon the position of adjacent keys.

It requires **4.7 x the force** to move a solid/sculptured blade compared to a segmented blade, resulting in premature failure of expensive ink actuators.

**Laser cut blades** allow ink to leak through the gap cut by the laser. Laser cut blades require maintenance of foil overlays, foil between segments, and silicon caulking to keep blades from leaking.

**ASI Segmented Blade Installations:**

M-1000	M-110C	Hitachi	Toshiba
M-1000A	M-120	King	Nebiolo
M-1000AI	M-90	Stevens	Sakuri
M-1000AII	M-3550	Hoe	Miracle
M-1000B	M-3300	Crabtree	Zircon
M-1000BE	M-100L	Didde	Miyakoshi
M-110	N-900	C-500	Tensor
M-110B	N-954	C-700	Timson
M-300	850	Miehle	Stevens Tech.
M-300M	NC-400	Goebel	Goss Magnum
M-600	G-14	Sanjo	Man Roland
M-200	G-16	Huhtamaki	Hantscho MK 6
GMI	G-25	U-70	Hantscho MK 6
WPC	G-25W	Halm	Cottrell G2
EPG	G-55	N-1700	Urbanite

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## Zone Control

Images 1 & 2 are pictures of an ink fountain with a light placed behind the roller, which allows us to see the blade profile. Image 1 is the ASI segmented ink blade. Image 2 is a solid or sculptured ink blade. **Both blades have every other key fully opened and every other key fully closed.**

**NO CHASING COLOR**  
Pressman adjust key #1 with no effect on key #2, even if key #1 is completely closed and key #2 is completely open.

Ink Key 7   Ink Key 8   Ink Key 9   Ink Key 10   Ink Key 11   Ink Key 12   Ink Key 13   Ink Key 14

Image #1

ASI Segmented Ink Blade

Ink Fountain Roller

Image #2

Solid or Sculptured Ink Blade

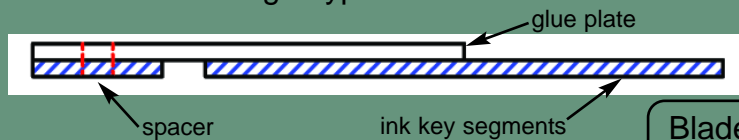
Ink Fountain Roller

full open   full closed   full open   full closed   full open   full closed   full open   full closed

**ALWAYS CHASING COLOR**  
Pressman adjust any 1 key and that adjustment can impact up to 5 neighboring keys.

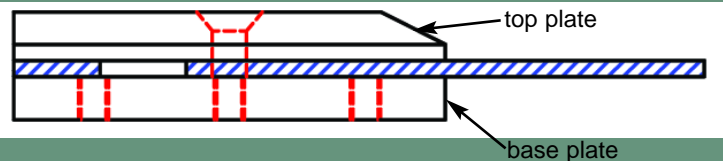
## Adaptability

Blade Profile Design Type 1



ASI offers 2 blade profile designs allowing us to **retrofit any OEM or after-market ink fountain**. ASI ink blades are easy to install, direct replacements and require no fountain alterations.

Blade Profile Design Type 2



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