



## Introducing the 5th Generation Marking System

### Upgraded Operator Cabinet & Software

- Includes newest PLC
- Outputs are short-circuit protected
- Event Logging capabilities
- HMI color touchscreen with easy to use on-screen assistance for support and set up.
- Displays more specific error messages over older models



**NEW**

### HMI 4.3-inch Color Touchscreen

- Supports multiple languages
- On-screen assistance for setup & troubleshooting
- Displays more specific error messages

**NEW**

### Nano Controller

- Newer model of the same controller as past generations
- Outputs short-circuit protected\*
- Signal change from PNP (Active High) to NPN (Active Low)
- Event logging capabilities

### Stainless Steel Ink Tank Benefits

- Offers flexible mounting due to high dye pressure
- Less maintenance of marker due to loose fittings or cracked tanks causing plugging issues.
- Never needs replacement
- Low level sensors come standard



**NEW**

### Ink Station

- Universal tubing layout
- LED lights to indicate low dye levels for each tank & low air

### Vacuum Kit Upgrade

- Less overspray
- Less maintenance
- Better vacuum, better & larger vacuum line that doesn't kink.

**NEW**

### Vacuum Kit Upgrade

- More vacuums mean cleaner solution and that it helps keep the jaw free of dried up dye causing maintenance issues

### New Actuator

- Improved accuracy
- Stepper motor
- Stainless Steel lead screw & bearings
- Self-lubricating lead screw



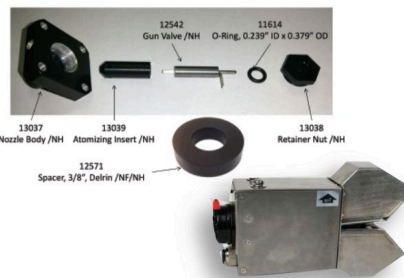
**NEW**

### Actuator Station

- Stepper motor improves accuracy
- Stainless Steel lead screw won't corrode over time
- No more manually greasing

### NH Code Sprayer Benefits

- Doesn't plug- Has a rubber plunger that seals the spray tip internally.
- Simple servicing and replacement, only three parts vs six on the NF. Fewer parts can't be assembled incorrectly.
- Precision of the marks is better due to the design changes with the plunger makes code marks more precise & repeatable.
- Codes can be atomized or un-atomized.



**NEW**

### Sprayer

- Easier to clean
- The new design keep the dye from drying into the small tubes
- Less plugging up the system
- Longer sprayers life less cleaning needed and replacement



SHEET BREAK | TURN-UP SYSTEMS  
MARKING TECHNOLOGIES  
EDGE CRACK DETECTION | PAPERBAND  
83 Peebles Valley Road, Cartersville, GA 30121



**MONARCH**  
PAPER GROUP

[monarchpapergroup.com](http://monarchpapergroup.com)