



J.M. FRY INKS



A FAMILY BUSINESS

MEASURING & ADJUSTING VISCOSITY

CONSISTENT VISCOSITY. CONSISTENT RESULTS.

Viscosity affects ink transfer, color strength, and print quality.
Follow these simple steps every time.



1 ZAHN CUP USAGE

-  **Select the proper cup size**
Use the cup size recommended for your ink system.
-  **Check the temperature**
Ensure ink is at the proper temperature before testing.
-  **Fill the cup completely**
Submerge the cup in ink and allow it to overflow.
-  **Block the orifice**
Place your finger firmly over the orifice.
-  **Lift out of the ink**
Remove the cup and immediately start timing.
-  **Time the flow**
Release your finger when the ink stream breaks.
Stop the timer.
-  **Record the time**
This is your viscosity in seconds.
Adjust if needed.



GOOD FLOW

A smooth, unbroken stream gives the most accurate reading.

2 PROPER HOLDING TECHNIQUE

Hold the cup by the handle using your thumb and forefinger.

Keep the cup level during the entire timing process.



3 CLEANING PROCEDURES

-  Rinse the cup immediately after each use.
-  Use a soft brush if needed to remove ink buildup.
-  Rinse thoroughly with clean solvent or water (as recommended for your ink system).
-  Dry the cup completely before storing.



IMPORTANT: CONSISTENCY IS KEY

Small changes in viscosity can cause big problems in print quality.

CHECK. ADJUST. VERIFY. EVERY TIME.

MEASURE FROM FIRST BREAK IN THE STREAM



GOOD PRINTING STARTS WITH CONTROL.



PRESSURE
in control



INK
in control



TEMPERATURE
in control



TIME
in control



**BETTER PRINTING.
LESS WASTE.
HAPPIER CUSTOMERS.**