

PIGMA INK,
invented by Sakura over 30
years ago in 1985, continues
to be the most reliable ink
on the market today.

The Magic 
is in the Ink.®



PIGMA INK easily outlasts and out performs competitors which have tried to duplicate this ink technology. Having such a long history with this specialized ink, Sakura has been able to constantly improve upon its formula resulting in the smoothest flow, stable pigment colors, and consistent line widths. Sakura's products containing Pigma ink are ACMI certified safe to use. Pigma has become the standard for what is defined as archival ink, relied upon by those whose professions depend on marks that stand the test of time. The properties of Pigma ink create magic on paper for millions of users.

WIDEST USAGE IN THE MARKET

Originally invented as a drafting tool, Pigma® ink is now used in a variety of applications and has numerous pen styles, colors and nib sizes. Whenever users value quality ink and preservation, Pigma is the ink of choice.

Pigma Micron® pens come in 7 point sizes to create precise lines. For work or for play, Pigma Micron pens are loyally used by designers, scientists, archivists, architects, manga artists, cartoonists, illustrators, scrapbookers and craft hobbyists. When putting pen to paper, Pigma ink provides a reliable, permanent record.

Pigma Brush® & Pigma® Professional Brush pens have soft, brush tips that can achieve variable line widths.

Pigma Graphic® pens have specialized, bullet and chiseled nibs for bold drawing applications.

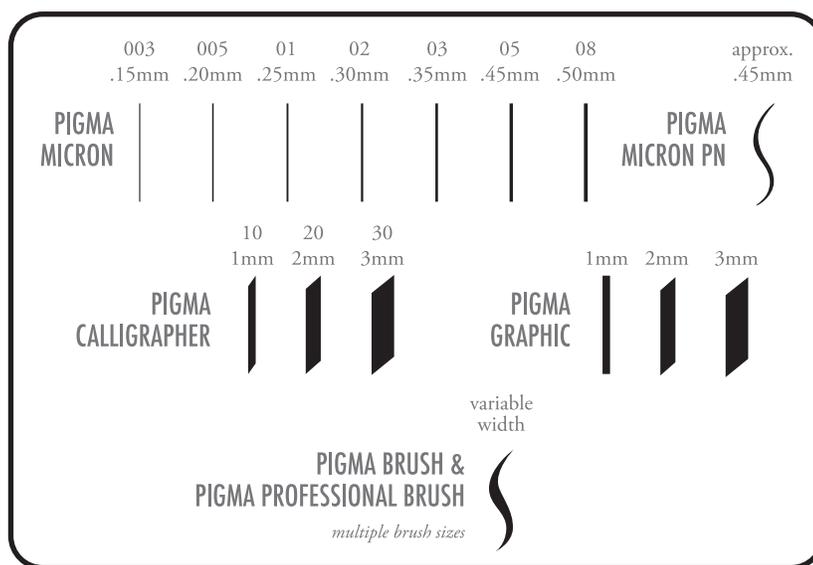
Pigma Calligrapher® pens are unique, durable lettering tools that produce crisp edges and sharp hairlines.

Pigma Sensei® provides rich Pigma ink in multiple fine point sizes, bullet and chisel point nibs. Sensei means 'teacher,' and true to its name, this pen was developed for those just starting out with archival Pigma ink in a more economical form.

Pigma® Micron PN is the latest in the Micron series that is uniquely versatile for all users due to its plastic nib that is both durable and offers a little flexibility to achieve fine to medium line widths.



Pigma products come in 85+ options.





PIGMENT BASED INK VS. DYE BASED INK

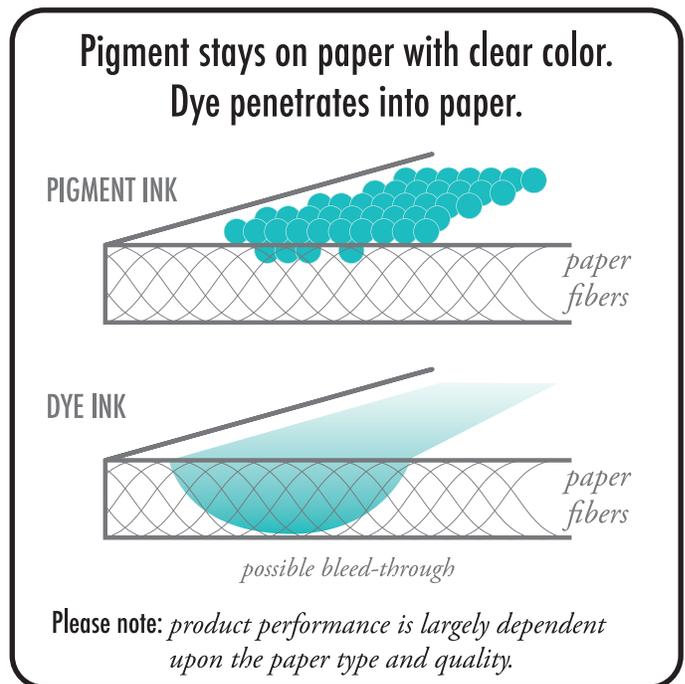
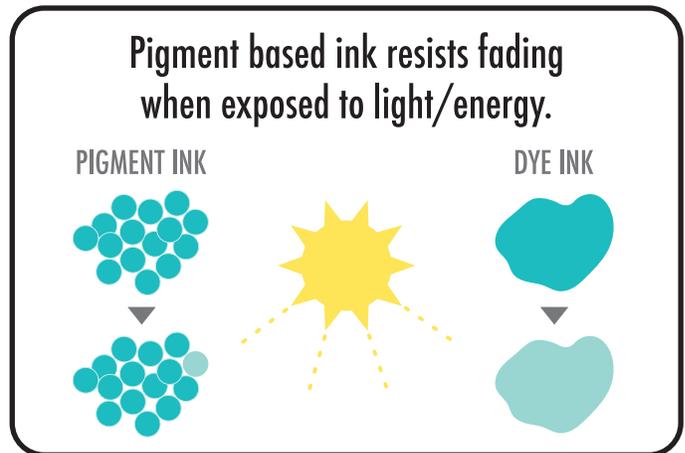
In the early 80's Sakura found a need to develop writing instruments using superior, stable pigment based inks, rather than the dye based inks used in most pens at the time. Pigment molecules are 100 times bigger and more chemically complex than dye molecules, and are inherently longer lasting; therefore, less susceptible to UV rays, chemical degradation, pollution from contact with oils and other chemicals on papers, etc.

 **Sakura scientists invented water-based pigment ink.**

Formulating a practical delivery system for these larger pigment particles, however, was another obstacle that the researchers at Sakura had to overcome. Researchers ultimately discovered the process of refining pigment particles to submicron size (1/25,000 of an inch), which allowed the ink to flow evenly through even the narrowest of pen nibs. Finally, Pigma ink technology was created.

Sakura then further developed Pigma ink to be technologically superior:

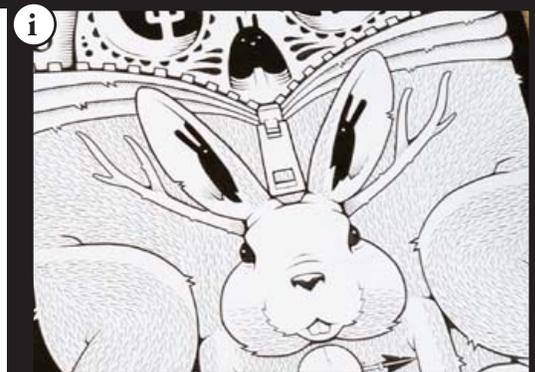
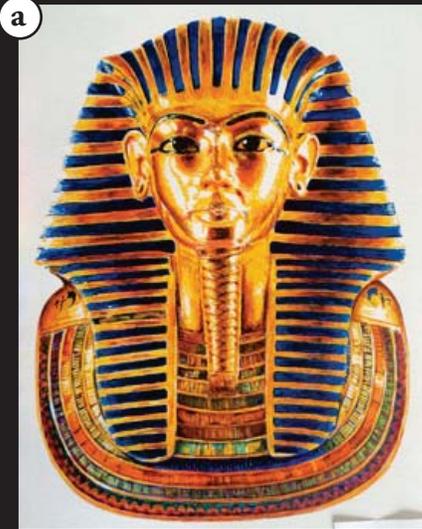
- Using single color pigments eliminates separation, which translates to less fading and changing of color over time.
- The ink dries to a neutral pH, neither acidic nor alkaline, which protects the paper on which it is used.
- Waterproof resins make it universally compatible with other media such as watercolors, oils, and acrylic paints once dry.
- The tiny micron particles remain stable within the water-based solvent, promoting color shade consistency and smooth ink flow.





THE POWER TO EXPRESS®

We're proud to have contributed to the creativity of so many artists who have used our products for so many years, and who have entrusted their priceless works to PIGMA archival ink technology. To view more fine examples please visit: www.sakuraofamerica.com and www.pigmamicron.com



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