



GANS INK  
& SUPPLY CO.



LONGEVITY  
THROUGH  
INTEGRITY

# Nu-Centura Low VOC

Gans Ink & Supply is meeting the new century with the best performing low VOC process inks on the market today! Our **Nu-Centura** process inkset is formulated with more than **20%** renewable **soy and vegetable oils** for the environmentally conscious commercial printer, and print buyer. Being **GREEN** has never been so smart or *easy!*

## TECHNICAL PERFORMANCE DATA

### ■ Nu-Centura Item Numbers

Black- A131157      Cyan- A131158  
Mag- A131159      Yelo- A131160

### ■ Nu-Centura VOC's

Gans **Nu-Centura** process series was formulated to be the friendliest low VOC inkset available today. This series averages **2.9%** VOC's per pound, compared to other quick-set inks today that average **25%-30% VOC's per pound!**

### ■ Ink Tack Readings

Black-**16** Cyan-**15** Mag-**13.5** Yelo-**12**  
The above tack readings are taken at 1200 RPM, 1 minute, 90° F, Thwing Albert 101 Inkometer.

### ■ Set Speed

Gans **Nu-Centura** process series rated **373** out of 400 on Gans' internal scale for set speed. This series will allow the printer to turn uncoated work in nearly the same time as our 3 quickest setting process formulations, and with aqueous coated printing there will be no noticeable difference in set speed.

### ■ Scuff-Resistance

Overall, **Nu-Centura** rated a **33** out of 40 on Gans' internal scale for scuff-resistance. This test is performed on a #1 gloss coated sheet, without aqueous coating, 24 hours after printing. **Nu-Centura** is our most scuff-resistant quick-set ink ever, and will perform well on *all* substrates!

### ■ Solid Overprint Trapping

At the above solid ink densities on a #1 gloss sheet, **Nu-Centura** trapped as follows:

Red- **78%**      Green-**88%**      Blue- **71%**

### ■ Solid Ink Densities After 24 hrs

Black-**1.70** Cyan-**1.35** Mag-**1.45** Yelo-**1.05**

The above measurement device settings are: Illuminant D<sub>50</sub>, 2° observer angle, Status *T*, without polarization or UV filters. Paper white has been zeroed out. Print testing on a #1 gloss sheet, without aqueous coating, has shown approximate density dryback to be (in density points):

Black-**24** Cyan-**5** Magenta-**2** Yellow-**2**

### ■ TVI (Dot Gain) @ 50%, AM 175 Line

At the above ink densities on a #1 gloss sheet Gans **Nu-Centura** printed with an ideally clustered gain range of 5%:

Black-**22%** Cyan-**18%** Mag-**17%** Yelo-**19%**

### ■ Stay Open (Skin-time)

Gans **Nu-Centura** Low VOC process series will not begin to develop a skin in the can or the fountain for at least **5** days. Extreme ambient temperatures will affect this stay open period.

### ■ Ink Glossiness

At a 60° angle **Nu-Centura** showed a specular gloss reading of **80 units** over 340% ink coverage on a #1 gloss coated sheet, without aqueous coating. Other quick-set process inks only read from the **60's to 70's!** Our unique blending of soy and exotic nut oils is what allows this series to achieve the **highest gloss levels!**

### ■ Post Processing

This process series is considered finishing friendly and can be UV coated or foil embossed **after 48 hours**. These inks are considered laser imprintable on *uncoated paper*, although pre-testing is always required for guaranteed performance.

Call Gans today to learn about *all* of our low VOC solutions  
for your *entire pressroom!*