

| Print Head | Sep. Number or Identification | INK Color                    | Squeegee Type         | Squeegee Durometer | Squeegee Speed | Squeegee Pressure | Air Pressure | Squeegee Angle |
|------------|-------------------------------|------------------------------|-----------------------|--------------------|----------------|-------------------|--------------|----------------|
| 1          | Base 1                        | Formula 1                    | Newman Constant Force | 70                 | 8.0            | 1 3/8"            | 50 psi       | 0.0            |
| 2          | Flash                         |                              |                       |                    |                |                   |              |                |
| 3          | Base 2                        | Wilflex Quick White          | Newman Constant Force | 70                 | 8.0            | 1 3/8"            | 50 psi       | 0.0            |
| 4          | Flash                         |                              |                       |                    |                |                   |              |                |
| 5          | Royal                         | Wilflex GNS Light Royal      | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 6          | Orange                        | Wilflex GNS Clockwork Orange | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 7          | Red                           | Wilflex GNS Super Drake red  | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 8          | Green                         | Wilflex GNS Kelly green      | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 9          | Gold                          | Wilflex GNS Super Lt. Gold   | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 10         | Turquoise                     | Wilflex GNS Turquoise        | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 11         | Highlight                     | Wilflex Quick White          | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 45 psi       | 0.0            |
| 12         | Flash                         |                              |                       |                    |                |                   |              |                |
| 13         | Glitter                       | Formula 2                    | Newman Constant Force | 70                 | 8.0            | 1 3/8"            | 60 psi       | 0.0            |
| 14         | Gel                           | Wilflex HD Clear             | Newman Constant Force | 80                 | 8.0            | 1 3/8"            | 60 psi       | 0.0            |

ART / INK / PRESS SPECIFICATIONS

CONTINUED ON OTHER SIDE

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#### Ink Department Formulas

#### Notes

Formula 1  
100g. Matsui Discharge D8K-1  
10g. Matsui Discharge Agent  
Formula 2  
100g. Wilflex Nova Base  
50g. Wilflex Yellow Sparkle Flake  
1g. Wilflex Nova ML Brilliance Flake

M & R Kool Misters  
are placed after  
each Flash.  
Wetting the discharge on head 1



GRAPHIC ELEPHANTS  
GARMENT EMBELLISHING SOLUTIONS

WWW.GRAPHICELEPHANTS.COM

Equipment: M & R 14c Gauntlet II all Electric  
Newman Roller Frames® stretched on a Newman Roller Master®, Newman Roller Mesh®, Newman Pallet Protection Tape™, Newman Constant Force Squeegees™, & Newman Flood Bars™; Stretch Devices

Ink: Wilflex / Matsui

Stencils: Ulano

Pallet Adhesive: Roll Tac

Seps: Easy Art / Hybrid Mechanical

LON WINTERS

PRESIDENT  
1-800-910-0477  
LON@GRAPHICELEPHANTS.COM



| Print Head | Flood Bar Type  | Flood Bar Speed | Flood Bar Pressure | Flood Bar Angle | Off Contact |
|------------|-----------------|-----------------|--------------------|-----------------|-------------|
| 1          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 2          |                 |                 |                    |                 |             |
| 3          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 4          |                 |                 |                    |                 |             |
| 5          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 6          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 7          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 8          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 9          | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 10         | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 11         | Newman Vector   | 8.0             | 3/4"               | 0.0             | 80/1000ths  |
| 12         |                 |                 |                    |                 |             |
| 13         | Newman Vector R | 8.0             | 7/8"               | 0.0             | 80/1000ths  |
| 14         | Newman Vector R | 8.0             | 7/8"               | 0.0             | 100/1000ths |

## FLASH SPECIFICATIONS

| Temp Set | Flash Time |
|----------|------------|
|          |            |
| 385      | 1.5        |
|          |            |
| 375      | 1.5        |
|          |            |
|          |            |
|          |            |
|          |            |
|          |            |
|          |            |
| 365      | 1.5        |
|          |            |
|          |            |

## SCREEN SPECIFICATIONS

| Mesh TPI     | Screen Tension | Stencil Type                | Coating Method             | Coats Squee./Print | Stencil Thickness |
|--------------|----------------|-----------------------------|----------------------------|--------------------|-------------------|
| Newman N-166 | 45             | Polyco/Discharge Direct     | Auto Coater                | 3 / 2              | 20% EOM           |
|              |                |                             |                            |                    |                   |
| Newman N-205 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 18% EOM           |
|              |                |                             |                            |                    |                   |
| Newman N-272 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 14% EOM           |
| Newman N-300 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 10% EOM           |
| Newman N-272 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 14% EOM           |
| Newman N-300 | 45             | Ulano LX-680 Direct         | Auto Coater                | 3 / 2              | 10% EOM           |
|              |                |                             |                            |                    |                   |
| Newman N-40  | 60             | Ulano LX-680 Direct         | Auto Coater                | 2 / 1              | 24% EOM           |
| Newman N-102 | 45             | Ulano QTX Capillary CDX-400 | Hand Applied / Auto Coater | 2 / 0              | 600% EOM          |

**PRINT**  
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Garment Embellishing Solutions  
Consulting Services



GraphicElephants.com  
Christian-Edge.com

**Lon R. Winters**  
President

**Jason Ballash**  
VP of Operations

(303) 910-0477

Elizabeth, Colorado

lon@graphicalephants.com

Award-Winning Quality

Speed: 76 dz - 912 units / hr  
Image Size: 15.75" x 19.5"  
Print Stroke: 20"  
Garment: 100% Cotton  
Frame Size: 23" x 33"  
Pallet Size: 16" x 32"

Print Engineering:  
Original Art, Design,  
Separations,  
Pre Press & Sampling:  
GraphicElephants.com  
Elizabeth, CO

**Production Run: SGIA '07 Orlando, FL**

In the Newman Roller Frame, Stretch Device Booth.

**GraphicElephants.com**

| Print Head | Sep. Number or Identification | INK Color                       | Squeegee Type         | Squeegee Durometer | Squeegee Speed | Squeegee Pressure | Air Pressure | Squeegee Angle |
|------------|-------------------------------|---------------------------------|-----------------------|--------------------|----------------|-------------------|--------------|----------------|
| 1          | Base 1                        | Formula 1                       | Newman Constant Force | 70                 | 10.0           | 1 3/8"            | 50 psi       | 0.0            |
| 2          | Flash                         |                                 |                       |                    |                |                   |              |                |
| 3          | Base 2                        | Wiflex<br>Epic Cotton White     | Newman Constant Force | 70                 | 10.0           | 1 3/8"            | 50 psi       | 0.0            |
| 4          | Flash                         |                                 |                       |                    |                |                   |              |                |
| 5          | Purple                        | Wiflex<br>Epic Russell Purple   | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 6          | Royal                         | Wiflex<br>Epic Light Royal      | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 7          | Turquoise                     | Wiflex<br>Epic Turquoise        | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 8          | Gold                          | Wiflex<br>Epic Super Light Gold | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 9          | Red                           | Wiflex<br>Epic Super Drake Red  | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 10         | Orange                        | Wiflex<br>Epic Clockwork Orange | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 11         | Highlight                     | Wiflex<br>Epic Cotton White     | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 45 psi       | 0.0            |
| 12         | Flash                         |                                 |                       |                    |                |                   |              |                |
| 13         | Glitter                       | Formula 2                       | Newman Constant Force | 70                 | 10.0           | 1 3/8"            | 60 psi       | 0.0            |
| 14         | Gel                           | Wiflex<br>Epic HD Clear         | Newman Constant Force | 80                 | 10.0           | 1 3/8"            | 60 psi       | 0.0            |

#### Ink Department Formulas

#### Notes

Formula 1  
100g. Matsui Binder DSFP  
10g. Matsui Discharge Agent  
Formula 2  
100g. Wiflex Epic Nova Base  
50g. Wiflex INT Yellow Sparkle Flake  
1g. Wiflex Nova ML Brilliance Flake

M & R Kool Mistors  
are placed after each Flash &  
is used for Discharge Treatment

The Wiflex Epic Series is  
NON-Phthalate / Environmentally Friendly



Equipment: M & R 14c Gauntlet II all Electric  
Newman Roller Frames® stretched on Newman Roller Master®, Newman Roller Mesh®, Newman Pallet Protection Tape™, Newman Constant Force Squeegees™, Newman Flood Bars™: Stretch Devices  
Ink: Wiflex by PolyOne / Matsui  
Stencils: Ulano  
Pallet Adhesive: Roll Tac  
Separations: Index / Halftone / Hybrid Mechanical  
Lasers: Laser Targeting Systems




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| Print Head | Flood Bar Type  | Flood Bar Speed | Flood Bar Pressure | Flood Bar Angle | Off Contact |
|------------|-----------------|-----------------|--------------------|-----------------|-------------|
| 1          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 2          |                 |                 |                    |                 |             |
| 3          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 4          |                 |                 |                    |                 |             |
| 5          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 6          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 7          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 8          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 9          | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 10         | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 11         | Newman Vector   | 10.0            | 3/4"               | 0.0             | 80/1000ths  |
| 12         |                 |                 |                    |                 |             |
| 13         | Newman Vector R | 10.0            | 7/8"               | 0.0             | 80/1000ths  |
| 14         | Newman Vector R | 10.0            | 7/8"               | 0.0             | 100/1000ths |

## FLASH SPECIFICATIONS

| Temp Set | Flash Time |
|----------|------------|
|          |            |
| 425      | 0.5        |
|          |            |
| 415      | 0.5        |
|          |            |
|          |            |
|          |            |
|          |            |
|          |            |
|          |            |
| 400      | 0.5        |
|          |            |

## SCREEN SPECIFICATIONS

| Mesh TPI     | Screen Tension | Stencil Type                   | Coating Method                | Coats Squee/Print | Stencil Thickness |
|--------------|----------------|--------------------------------|-------------------------------|-------------------|-------------------|
| Newman N-166 | 45             | QT-Discharge<br>Ulano Direct   | Auto Coater                   | 3 / 2             | 20% EOM           |
|              |                |                                |                               |                   |                   |
| Newman N-205 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 18% EOM           |
|              |                |                                |                               |                   |                   |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-272 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 14% EOM           |
| Newman N-300 | 45             | Ulano LX-680<br>Direct         | Auto Coater                   | 3 / 2             | 12% EOM           |
|              |                |                                |                               |                   |                   |
| Newman N-40  | 60             | Ulano LX-680<br>Direct         | Auto Coater                   | 2 / 1             | 24% EOM           |
| Newman N-102 | 45             | Ulano QTX<br>Capillary CDF-400 | Hand Applied /<br>Auto Coater | 2 / 0             | 600% EOM          |

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President

**Jason Ballash**  
VP of Operations

(303) 910-0477  
Elizabeth, Colorado  
lon@graphicelephants.com

Award-Winning Quality

Speed: 100 dz - 1200+ units / hr

Image Size: 18" x 23"

Print Stroke: 23"

Garment: Anvil 100% Cotton

4.5oz 30/1

Frame Size: 23" x 36"

Pallet Size: 18" x 24" OS

Print Engineering:

Original Art, Design,  
Separations,

Pre Press, Sampling,  
& Demo:

GraphicElephants.com

Elizabeth, CO

**Production Demo: SGIA '08 - Atlanta, GA**

In the Newman Roller Frame®, Stretch Devices' Booth.

**GraphicElephants.com**

