**WHITE INK PRINT ENHANCEMENTS**

- **Printing on transparent media** is made possible by the application of only two ink colors: cyan and white.
- **Transmitted lights** create a backlit effect, resulting in a high-quality final product.
- **Colour ink 2 layers** are applied to the transparent media, with the white layer used as an under or over layer.

**INLINE LED LIGHTBOX FOR BACKLIT PRINT INSPECTION**

- **Lights ON** ensure the backlit effect is visible during proofing.
- **Lights OFF** verify the print quality without backlighting.

**WHITE INK CIRCULATION TECHNOLOGY (MCT)**

- **White ink circulation** technology ensures stable production and reduction of ink discharge and waste.
- **MCT** ensures pigment deposition is prevented by periodically circulating white ink in line from tank to head.

**HIGH ‘BLOCKOUT’ PERFORMANCE FOR BACKLIT STORAGE**

- **UV LED backlights** illuminate printed media just after printing, reproducing a backlit signage application and ensuring immediate quality inspection.
- **White ink circulation** technology MCT (Mimaki Circulation Technology) improves performance for backlit printing applications.

**IMPROVED PERFORMANCE FOR BACKLIT PRINTING APPLICATIONS**

- **Proofing while printing** on transparent media is made possible by the application of only two ink colors: cyan and white.
- **Day & Night Printing on Backlit Materials** with MCT ensures stable production and reduction of ink discharge and waste.

**Specs**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head</td>
<td>On-demand piezo head (4 printheads / in 2 staggered array)</td>
</tr>
<tr>
<td>Ink</td>
<td>UV LED ink LUS-120</td>
</tr>
<tr>
<td>Color</td>
<td>4 - Colour (C, M, Y, K) / 7 - Colour (C, M, Y, K, Lc, Lm, W)</td>
</tr>
<tr>
<td>Print Res.</td>
<td>300dpi, 600dpi, 900dpi, and 1200dpi</td>
</tr>
<tr>
<td>Power</td>
<td>AC 200 – 240V ± 10%   50/60 Hz ± 1 Hz, 18 A or less. * 100V Power not available</td>
</tr>
<tr>
<td>Machine</td>
<td>Weight 910kg</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(W × D × H) 5,410mm × 995mm × 1,440mm</td>
</tr>
<tr>
<td>Roll</td>
<td>Weight Large drive shafts: 100kg or less. Small media roll holders: 25kg or less</td>
</tr>
<tr>
<td>Media</td>
<td>Thickness 1.0mm or less</td>
</tr>
<tr>
<td>Ink Droplet</td>
<td>Minimum: 7pl   Maximum: 36pl</td>
</tr>
</tbody>
</table>

**Technical Information**

- **Dust 0.15mg/m3 (Equivalent to normal office level)**
- **Temperature gradient** Less than ± 10 °C/h (± 18 °F/h)
- **Temperature** 20 – 30 °C (68 – 86 °F)
- **Humidity** 35 – 65%Rh (No condensing)
- **Power consumption** 4.3kVA or less
- **Machine weight** 910kg
- **Dimensions (W × D × H)** 5,410mm × 995mm × 1,440mm
- **Roll weight** Large drive shafts: 100kg or less. Small media roll holders: 25kg or less

**Supplies**

- **UV LED Ink** LUS-120
- **Light Magenta** LUS12-LM-BA-1
- **Magenta** LUS12-M-BA-1
- **Yellow** LUS12-Y-BA-1
- **White** LUS12-W-BA-1
- **Black** LUS12-K-BA-1
- **Cyan** LUS12-C-BA-1

**Program update and profile download** can be easily performed via internet.

**More beautiful and advanced print results are achieved** by following a user-friendly interface that is easy to operate.

**New image-processing technique** reduces tone jumps and uneven colour printing.

**MFD1** reduces the noise that is generated in the production of better print results without tone jumps.

**MFD1** applied No MFD1

**Sophisticated RIP software maximizes the performance of UJV55-320**

**Improved performance for backlit printing applications**

**UV55-320**

**3.2m Grand format UV LED printer**

**www.mimakieurope.com**

**info@mimakieurope.com**

**@MimakiEurope**

**Mimaki Europe B.V. Stammersdijk 7E, 1112 AA Diemen, The Netherlands**

Tel: +31 (0)20 4627640
**High performance grand format LED UV inkjet printer**

The all new Mimaki UJV55-320 grand format LED UV inkjet printer delivers a unique combination of high quality super wide output for volume production of banners, retail, exhibition and window graphics and other similar applications up to 3.2m wide, with the added versatility of twin-roll simultaneous printing.

**UJV55-320 delivers •••**

- Super wide format printing up to 3.2m
- High speed printing up to 110m/h
- Newly developed LUS-120 high performance UV curing ink including white
- High density print mode for front/backlit applications
- Inline LED Lightbox for backlit print inspection
- MAPS, MRPT, NCU & NRS for optimal print quality & performance
- Simultaneous twin-roll print facility
- Media roll weights up to 100kg

Create ••• Indoor and Outdoor Signage, Exhibition, Display and Window Graphics, Front and Backlit Signage, Retail PoS and much more...

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**KEY TECHNICAL FEATURES •••**

- **4 colours – CMYK**
- **7 colours – CMYK/Cinch**

**PRINT QUALITY**

**BEAUTIFUL OUTPUT**

**MAPS (Mimaki Advanced Pass System)**
Faster efficiency, higher yield of print (lower ink consumption)

**Wavefront Control Technology**
Wavefront error correction for high resolution, high speed printing on front & backlit media and canvas, backlit media, flex & rigid media, flex & rigid media, flex, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, rigid, ri