Agfa Graphics

ANAPURNA XL & Wasatch Operator Training
(Trainee required checking all topics)

1. Safety First   (   )
    a. UV Inks
        i.   UV Inks (and waste) contain chemicals, when handling the ink, wear protective
             gloves to protect your skin and protective glasses.
        ii. Should the ink come in contact with your skin, wash with water immediately.

    b. UV Light
        i.   Do not look directly into the UV Light when printing.
        ii. Don't expose your skin directly to UV light.
        iii. If you need to look at the direction of the light, wear protective glasses or look
             through the front cover glass.
    c. Ozone
        i.   Anapurna engines are equipped with an exhaust system to extract the heat and
             ozone gas built by curing process. Make sure exhausts are working and lead to
             the outside air.
    d. Anapurna Engine
        i.   Do not operate the engine if not comfortable.
        ii. Before printing, make sure no one is around the engine.
        iii. Make sure all doors are closed before sending a job to print.
        iv. Know the Emergency 'Stop' buttons.

2. Anapurna Inks, Cleaning Solution & Waste   (   )
    a. Storage of inks
    b. Shelf Life of inks
    c. Handling (safety aspects)
    d. Use
        i.   Take care when filling the main ink tank / cleaning tank.
        ii. Keep waste separate from the ink bottles.
    e. Dispose off waste as per local council regulations.
    f. Never mix solvent waste with UV waste.

3. Environment   (   )
    a. Dust Free
    b. Ideal Room Temperature : 22 degrees Celsius
    c. Ideal Humidity : 50 %

4. Anapurna XL Component Overview   (   )
    a. Terminologies used (Purge side, home side etc)
    b. Signal Tower Lamp
    c. Anapurna Shuttle (carriage) Layout
        i.   Print Heads
        ii. 3 way valves
        iii. UV Lamps
    d. Ink Supply System

5. Anapurna XL – Start Up Sequence   (   )
    a. Compressed Air
    b. Main Switch (Power)
    c. Circuit Breakers (if applicable)
    d. PC (Anapurna)
    e. Anapurna Engine (check for emergency buttons & capping station)
    f. Exhaust

6. Making Anapurna Ready for printing ( )
   a. Jet Test
   b. Head Height adjustment (set gap)
   c. Roll to roll print
      i. Media Loading
      ii. Vacuum
      iii. Set Margins
      iv. UV Lamps
   d. Rigid media printing
      i. Registering Pins
      ii. Head Height (set gap)
      iii. Vacuum
      iv. Top & Right Margins
      v. Dual Board Printing
      vi. Borderless Printing
      vii. Input / output Support Tables
      viii. UV Lamps
   e. Heater Settings
      (How to change settings on the digital controls)
      i. Sub Ink Tanks
      ii. White Sub Ink Tank
      iii. Head Base
   f. Negative Pressure Settings
   g. Print Quality
      i. Bi Dir Alignment
      ii. Step Size
      iii. Carriage Speed
      iv. UV Lamp Options
   h. Printing Artefacts
      i. Gloss Banding
      ii. Peppering
      iii. Pooling
      iv. Step Banding / Nozzle missing banding

7. Print Head Purging / Cleaning ( )
   (Function of 3 way valve)
   a. Little Purge if Jet Test not good
   b. Good Purge
   c. Head Weeping
   d. Head Cleaning using solvent
   e. Weekend / Long Break engine preparation

8. Anapurna Control Program ( )
   a. Selecting the file
   b. Correct # of passes
   c. Margins
   d. Set Up Parameter Menu
   e. Test Menu
   f. Printing an image
   g. Cancelling a print

9. Preventive Maintenance ( )
   (Who is the responsible person ???)
   a. Daily
   b. Weekly
   c. Alignment of Conveyor (Media) Belt

10. What can go wrong!!!! ( )
    a. Air in the Ink Filter (always make sure enough ink in the main tanks)
    b. Solvent in White Ink Tank????
    c. Light colours in Dark colour tanks
    d. Check Over Flow tank
    e. Keep an eye on Waste Tank
    f. Printing on the Conveyor Belt – resulting in poor vacuum
       i. Borderless printing
    g. Head Height!!!

11. Advanced Scheduled Maintenance ( )
    a. Adjustment of conveyor belt
    b. Replacement of conveyor belt (service engineer)
    c. Cleaning the Feed Table (service engineer)
    d. UV Lamp Replacement (operator)
    e. Cleaning of Crystal Glass (operator)

12. Consumables Required ( )
    a. Inks
    b. Cleaning Solution
    c. Lint Free Cloth
    d. Part #'s
    e. Recommended Media

Wasatch Operations

1. Rip Station ( )
    a. Do not load any design software
    b. Never download anything from the internet
    c. Make sure the network card is 100/1000 Mbps
    d. Make sure of a high speed hub or switch

2. Setting up of Print Folder on Anapurna PC ( )
    (Not related directly with Wasatch Operations but required)

3. Set Up of Different Printing Options ( )
    a. Printer Model
    b. Imaging Configuration
    c. White Options (if applicable)
    d. Properties
    e. Colour Transforms
    (Never touch the ink limits)
    (Do not play with input profiles)
    (Always have a backup copy of Agfa provided profiles)

4. Ripping & Printing ( )
    a. Supported File formats
    b. Opening a file
    c. File preparation; size, scale, crop, mirror, rotate, tiling
    d. Selection of correct Imaging Configuration (Printing resolution / # of passes)
    e. Sending to Rip Queue (Or Rip & Print)
    f. Print Strategy
        i. Immediate Printing
        ii. Manual Layout
        iii. Auto Nesting
        iv. Printing to folder on Anapurna PC
    g. White Ink Printing Options
    h. Hot folder set-up

5. Wasatch Exercises ( )

6. Have you received the Operator's Manual + MSDS + other operational documents ( )

7. Have you printed samples on Anapurna engine using roll to roll & rigid media ( )

8. Are you comfortable ( )

9. What other information you need to get more comfortable (if needed) ( )

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