Inking & dampening system productivity

**1. INK & DAMPENING MAINTENANCE**

1. **Weekly**
   - Clean dampening rollers
   - Change filters
   - Clean fountain system
   - Drain system

2. **Monthly**
   - Rigorous preventative maintenance of the dampening system and its chemistry
   - Conductivity measures the quantity of fountain solution additive
   - Check temperature, conductivity, pH value and alcohol content

3. **Quarterly**
   - Check the durometer (hardness) of a roller for distortion
   - Regularly remove harder deposits (such as calcium carbonate) with a special decalcifying agent

4. **Annually**
   - Perform an in-depth solids test
   - Change all filters every six months to avoid a build-up that could break through the filter and feed through the system

**BEST PRACTICE**

- Conduct a deep solids test if solids are a problem
- Maintain all rollers every six months to prevent future problems
- Avoid the use of solvent-based cleaners
- Conduct a hertz test to ensure bearing quality

**Recommended preventative maintenance**

- **Daily**
  - Web tension
- **Weekly**
  - Roller setting check
  - Bearing check
  - Bearing replacement and seat check

**2. RUBBER ROLLERS MAINTENANCE**

**Rolling and cleaning**

1. **Rolling**
   - Lubricate the rollers with a suitable lubricant
   - Check the surface of the rollers for any defects

2. **Cleaning**
   - Clean the rollers with a suitable cleaning solution
   - Remove any ink residue from the rollers

**3. TEMPERATURE**

- Recommended temperatures for ink tack
- Recommended temperatures for ink storage
- Temperature impact on ink tack (Tack-o-scope values)
- Temperature impact on ink transfer
- Temperature impact on ink tack (Tack-o-scope values)

**Ink storage**

- Maintain the correct temperature and humidity to ensure ink quality
- Store ink in a cool, dry place
- Use the right tools to ensure a snug and proper fit
- Always use the right tools to ensure a snug and proper fit

**BEST PRACTICE GUIDE FOR WEB OFFSET PRINTERS**

- **Rollers**
  - Use the right tools to ensure a snug and proper fit
  - Always use the right tools to ensure a snug and proper fit
- **Inking & dampening system productivity**
  - Use the right tools to ensure a snug and proper fit
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