



SKILLS TRAINING AND CERTIFICATION PROGRAM
FLEXO PRESS OPERATOR LEVEL – I
READING ASSIGNMENT REVIEW QUESTIONS

NAME: _____

DATE: _____

Core Skill: (A) Flexo Industry Overview

Reading assignment: The Exciting World of Flexography & FP&P Vol-1 Pgs. 23 – 33

1. *Where are you most likely to find flexo products and who is the primary user?*

Most flexo products can be found in the grocery store and the primary user is the consumer.

2. *What was flexo called before it was flexo and what was it named after?*

Flexography was called aniline printing named after the dye inks which were a derivative of a coal tar.

3. *What is the ink roller called and how does it work?*

The anilox roll delivers ink to the printing plate from microscopic cells with uniform size and spacing.

4. *What are the four most common types of flexographic presses?*

1. Stack presses
2. Central Impression presses (CI)
3. Inline presses
4. Corrugated presses

5. *In what way are flexographic plates unique?*

They are a soft flexible raised image printing plate made from either rubber or photopolymer.

6. *What types of substrates are most commonly printed flexographically?*

Flexo can print on virtually any type, from corrugated board to flexible plastic films, to textiles and cloth fabrics.

7. *What are the four main rollers in the basic flexo print unit and give a brief description of their purpose?*

1. The fountain roll, (metering roll or wiper roll). It's purpose is to pick up and deliver a relatively heavy flow ink to the anilox roll.
 2. Ink metering (Anilox Roll). It's purpose is to transfer a measured amount of ink to the surface of the printing plate.
 3. Plate cylinder, its purpose is to hold the printing plate and transfer the ink to the substrate.
 4. Impression cylinder, its purpose is to support the substrate while being printed.
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8. *What are the three ink types used for flexography?*

1. Water based
 2. Solvent based
 3. Ultraviolet curable
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9. *For increased productivity many flexo presses are equipped with in-line finishing capabilities. What are some of those capabilities?*

Coating, laminating, slitting and die-cutting.

10. *Flexography is unique because it was developed primarily for printing on packaging materials. Board, paper, film and other packaging substrates supplied for form-and-fill, over-wrapping, bag making and other continuous web-processing machinery. For these applications what type of printing is required?*

Roll-to-roll or roll-to-cut
