

## PROMP995 (SQA Unit Code – H9J1 04)

### Set up and run machinery within the print industry



#### Overview

The aim of this standard is to provide the learner with the knowledge and skills to be able to set up and run printing machinery specific to the processes they have access to. It is intended for entrants into the industry who will operate single or dual colour (including perfecting) printing presses.

The processes pertinent to this unit are:

- Lithography
- Flexography
- Gravure
- Die Stamping
- Screen Process

### Performance criteria

#### Set up printing machinery

- You must be able to:
- P1 check the machinery and your work area are safe and ready for production
  - P2 check that all the details and materials for the job are available
  - P3 fit and position image carriers correctly
  - P4 set the substrate transport system to run efficiently and safely
  - P5 run the substrate transport system to check that the substrate feeds at the production speed, safely and efficiently
  - P6 set the inking system (with lithography, the damping system is included)
  - P7 identify and correct print faults
  - P8 adjust where necessary to produce a “pass sheet” to company standards
  - P9 get “pass sheet” approved

#### Run printing machinery

- You must be able to:
- P10 keep up the supply of substrate, ink and fountain solution/solvent throughout the run
  - P11 run the press safely and efficiently
  - P12 regularly check that quality standards are met
  - P13 identify and correct print faults that affect the quality of the image
  - P14 identify and correct mechanical faults that it is your job to rectify
  - P15 report faults which are not your job to correct or are not corrected by the action you take
  - P16 report any shortfalls in production
  - P17 follow the correct procedures for the removal of waste
  - P18 stack work safely, using the approved method

### Knowledge and understanding

You need to know and understand:

#### Set up printing machinery

- K1 what details you need for the job
- K2 the principles of the printing process
- K3 how to set up the substrate transport and fit image carriers
- K4 the kind of image carriers used by your company
- K5 the kind of inks and consumables used by your company
- K6 the commonly occurring faults with substrate transports, image carriers and inks/coatings, what causes them and how to prevent them
- K7 the procedure to get “pass sheet” approved
- K8 how to shutdown machine in an emergency situation
- K9 your company’s reporting procedures and sources of advice

#### Run printing machinery

You need to know and understand:

- K10 how to run the machine safely and efficiently
- K11 the commonly occurring running faults with substrate transports, image carriers and inks/coatings, what causes them and how to prevent them
- K12 when and what to monitor to keep to ensure quality of product
- K13 where and who to get assistance from for faults you cannot remedy
- K14 how to make adjustments to the settings to meet the job specifications
- K15 the effects any adjustments have to the print quality
- K16 company quality procedures
- K17 how to shutdown machine in both operational and emergency situations

## PROMP995 (SQA Unit Code – H9J1 04)

Set up and run machinery within the print industry



<b>Developed by</b>	Proskills
<b>Version number</b>	1
<b>Date approved</b>	October 2013
<b>Indicative review date</b>	April 2018
<b>Validity</b>	Current
<b>Status</b>	Original
<b>Originating organisation</b>	Proskills
<b>Original URN</b>	PROMP995
<b>Relevant occupations</b>	Originators compositors and print preps; Printers; Screen printers; Printing machine minders and assistants; Bookbinders and print finishers; Graphic designers
<b>Suite</b>	Machine Printing
<b>Key words</b>	machines; printing; lithographic; equipment; flexographic; operate; maintain; inks; coatings;