

## What is Press Simulator

The press simulator is a diagnostic and training computer program that utilizes custom-designed software packages to interactively practice problem-solving techniques without the need for a printing machine.

This interactive program simulates the operation of printing machine, since all parameters are controlled in the printing process and see the impact of these parameters on the quality of the product layout. This program is used in training personnel to work on modern printing machines, and to define the concept of the printing industry and printing process,

### without:

- The need for a printing machine
- The use of primary raw materials
- Waste of experienced operators' time
- Disturbing production time

The simulator is used to help new printers acquire skills and experienced personnel to sharpen and extend their existing knowledge. It plays the same sort of role as a flight simulator for pilots.

Included in the software is a monitoring and cost analysis that allows the training process to correlate effective press utilization versus the theoretical cost on a live press.

## PMAC Overview

- PMAC is owned by Heidelberg North East Africa Co., one of Youssef Allam Group of Companies
- PMAC has started its operation in May 2001
- PMAC is the local branch of the Heidelberg Print Media Academy – in Heidelberg Germany – to serve the area of the Middle East and Africa
- It gives short training courses related to the needs of our regional market in Arabic language, under the supervision of Heidelberg Company.
- PMAC conducts training sessions either in its premise in Cairo or at customers' premises.
- Joining the training sessions of PMAC doesn't qualify the participants with any educational degree. It only gives a certificate that the participants have completed the training course.
- Training in PMAC follows the Heidelberg training standards
- Training in PMAC follows the full day education system which starts from 9:00 till 16:00, 5 days a week.

## Contact

Public Free Zone Area  
Str.Nr.12 Nasr city, Cairo, Egypt  
Tel : (+202) 26716741 , 26716742  
Fax : (+202) 26716743  
[www.pma-cairo.com](http://www.pma-cairo.com)



Print Media Academy

# Web Press Simulator Training

**Sinapse**  
**Print Simulators**



Print Media Academy

## Web Press Simulator Training

**PMAC** has the pleasure to invite you to participate in the first Web Press Simulator training that will take place in its premises in the Free Zone Area in Nasr City during the period from 28 to 29 April 2013.



## Objectives

The objective is to train pressmen on reducing downtime and associated wastage in the press. After the training, the pressmen should be able to demonstrate - Quick identification of problems.

by analyzing the printed copy and faster diagnosis of problems - which part of the press or what setting in the press is causing the problem.

Once they are able to do this, they can reduce downtime and associated wastage by a huge level.

Skill for solving a problem - like changing a damaged part or doing roller settings etc.. - should be achieved through experience.

## Who Should Attend

This training session is for Web Press (Newspaper and heatset) technicians and operators, which include reel stand operators, printers, folder operators, Supervisors, engineers and maintenance engineers.

## Cost

750 US Dollar per person.

## Course language

English (with translation).

## Program schedule

### Day 1:

09.30 – 09.45: Entry test

09.45 – 11.30: Presentation: Basics of Newspaper production  
Covered topics: Basics of offset printing, importance of proper press start-up sequence, Newsprint properties and its effect on production, Properties of Newsink, Printing plate, Screening and resolution, Basic colour theory, Densitometer and its usage and Press configurations.

11.30 – 12.00: Tea Break

12.00 – 13.00: Press simulator demonstration  
How to operate the simulator, what are the controls and options?

13.00 – 14.00: Lunch break

14.00 – 17.00: Exercises in Simulator – Basic level  
Participants to be split into three groups.  
Module 1: Press Start-up problems: 1 hour – 6 exercises  
Module 2: Web tension and Infeed Unit: 1 hour – 6 exercises  
Module 3: Printing Unit: 1 hour – 6 exercises

### Day 2:

09.30 – 10.45: Exercises in Simulator – Basic level (Continued from Day 1)  
Module 4: Folder: 1 hour 15 Min – 6 exercises

10.45 – 11.15: Tea Break

11.15 – 12.30: Exercises in Simulator – Intermediate level  
Module 5: Exercises in this module covers problems from all parts of the press – 6 exercises

12.30 – 15.30: Exercises in Simulator – Advanced level (Lunch break 13.00 – 14.00)  
Module 6: Tough exercises and problems occur in all parts of the press – 6 exercises and a competition between the three groups.

15.30 – 15.45: Exit test

15.45 – 16.00: Feedback and closing