

Lesson Four

Supporting Components To Press Operation

A major emphasis to this point in the training program has been on understanding the components and operation of the printing units and folder. It should be pointed out however, that the press is actually made up of three major interrelated systems—The Printing Unit, The Folder, and The Reel-Tension-Paster—as well as several additional auxiliary systems. Auxiliary systems include the Press Control System II (a computerized system of press control), the Master Console, the auto-mix dampener system, both the high pressure and low pressure air system and the plate bending apparatus.

REEL-TENSION-PASTER (RTP)

As newspaper production staffs are well aware, lost webs during a press run means lost man-hours and higher waste. The R-T-P system was developed to provide continuous, uninterrupted production, controlled register, controlled web tension, and increased ease in operation.

It functions with equal smoothness and efficiency when running full or fractional-width rolls, out-of-round rolls, and rolls that are wound tighter on one side than the other.

Operating Components of the R-T-P: Operation of the R-T-P system is monitored at a main Paster Control Station for each reel. This Paster Control Station contains two vertical rows of control buttons plus three lights for indicating phases in the paste process. Located on one side of the control panel are controls related to press drive. These include SAFE, READY, SLOWER, INCH & STOP buttons. On the opposite vertical row are located the PASTER PILOT SWITCH, PASTE SPEED LIGHT, PASTE POSITION BUTTON, PASTE BUTTON and RESET BUTTON. Located at the top of the panel, and centered between the two vertical rows of controls is the SURFACE SENSING LIGHT. Located at the very top of the panel is a large amber light called the PASTER LAMP.

The following is a brief explanation of function for these controls but their sequence of use will be described later in this section.

Paster Pilot Switch: Located at the top of the vertical row, this consists of an on/off switch which causes the button to light when in the ON position for automatic operation.

Paste Speed Light: This light, located just below the Paster Pilot Switch, glows when the new roll has reached press speed.

Position Button: When depressed, this button initiates the paste cycle by starting reel rotation to position the new roll.

PASTE Button: Located just below the POSITION button, when depressed this initiates the operation of brushes and knives.