



Fig. 81 This diagram shows the effects on web tension of various ink/water conditions set up on a four-unit press. Although only a limited number of tests were conducted, they confirm the observation that press water reduces tension. Highest tension was recorded with no water and no ink being run (1), and was followed by the sharpest drop with water run and no ink (2), a condition in which maximum water would reach the paper. Tension rose at (3), probably due to water pick-up by the ink, which reduced the amount of water reaching the paper. Running excess water when printing (5, 6) also tended to significantly decrease tension.