

Title (en)
Preadjustment device for printing machines.

Title (de)
Vorrichtung zum Voreinstellen an Druckmaschinen.

Title (fr)
Dispositif de réglage préliminaire pour machines d'impression.

Publication
EP 0114957 A2 19840808 (DE)

Application
EP 83111488 A 19831117

Priority
DE 3302798 A 19830128

Abstract (en)
[origin: US4553478A] A system for presetting register and color zone adjusting devices in a multi-color rotary printing machine uses digitally-driven optical scanners axially traversing the plate cylinders under control of at least one numerical computer. Machine-specific characteristics are programmed in non-volatile memory as referenced values. Data processing is not required to be conducted external to the printing machine. The system is compact and requires practically no re-adjustment or entry of desired values from the machine operator. The machine operator, however, may enter coordinates for printing areas on the printing plate in order to speed up the scanning process for determining the initial color zone preset. The scanner multi-functionally scans the printing plate for both register adjustment and for integrating the ratio of printing to non-printing area for each inking zone. The system is easily reprogrammed and the optical scanner is interchangeable with a densitometer in order to provide alternative control functions during printing, such as the regulation of inking and dampening.

Abstract (de)
In der Fig. 1 ist ein Teilausschnitt einer Druckmaschine (1) mit Register- (2) und Farbzonenvoreinstellungen (3) dargestellt. Ein Kontrastlesegerät (4) mißt hierzu eine Druckplatte (6), die auf einen Plattenzylinder (5) aufgespannt ist, innerhalb der Druckmaschine (1) aus. Maschinenspezifische Eigenheiten werden durch diese direkte Messung jeweils automatisch mit berücksichtigt. Die Kompaktheit der Anlage führt zu einer optimalen Voreinstellung die von Bedienenden kaum noch nachgeregelt werden muß.

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