

Title (en)
ROTARY SHEET-PRINTING MACHINE FOR PERFECTING OR MULTI-COLOUR PRINTING

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EP 0158816 B1 19880601 (DE)

Application
EP 85102708 A 19850309

Priority
DE 3413159 A 19840407

Abstract (en)
[origin: CA1234012A] Title: "Sheet-fed rotary printing press for one-sided multi-colour printing or recto and verso printing" The invention relates to a sheet-fed rotary printing press for one-sided multi-colour printing or recto and verso printing. The printing units are arranged in line and have at least one turning apparatus. Furthermore, apparatuses are provided for processing both paper as well as cardboard. In addition to a plate cylinder and a rubber covered cylinder, each printing unit exhibits an impression cylinder of at least double diameter as well as a sheet transfer drum. A printing unit sub-part with parts of a turning apparatus is provided between two adjacent printing units. Instead of an impression cylinder this printing unit sub-part has a storage drum with at least two sheet-carrying surfaces and additionally a sheet transfer drum of at least double diameter. Each storage drum is followed by a sheet transfer drum of the adjacent printing unit whereby said sheet transfer drum is in the form of a turning cylinder with at least two systems of pincer-type grippers. The guiding of the sheets by means of cylinders of double or triple diameter and the use of pincer-type grippers enables the in-register printing of thick cardboard using both the one-sided recto printing method as well as the recto and verso printing method at high press speeds. All printing units, even those accommodating parts of the turning apparatus, exhibit identical side walls.

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