

Ink film thickness / density diagram

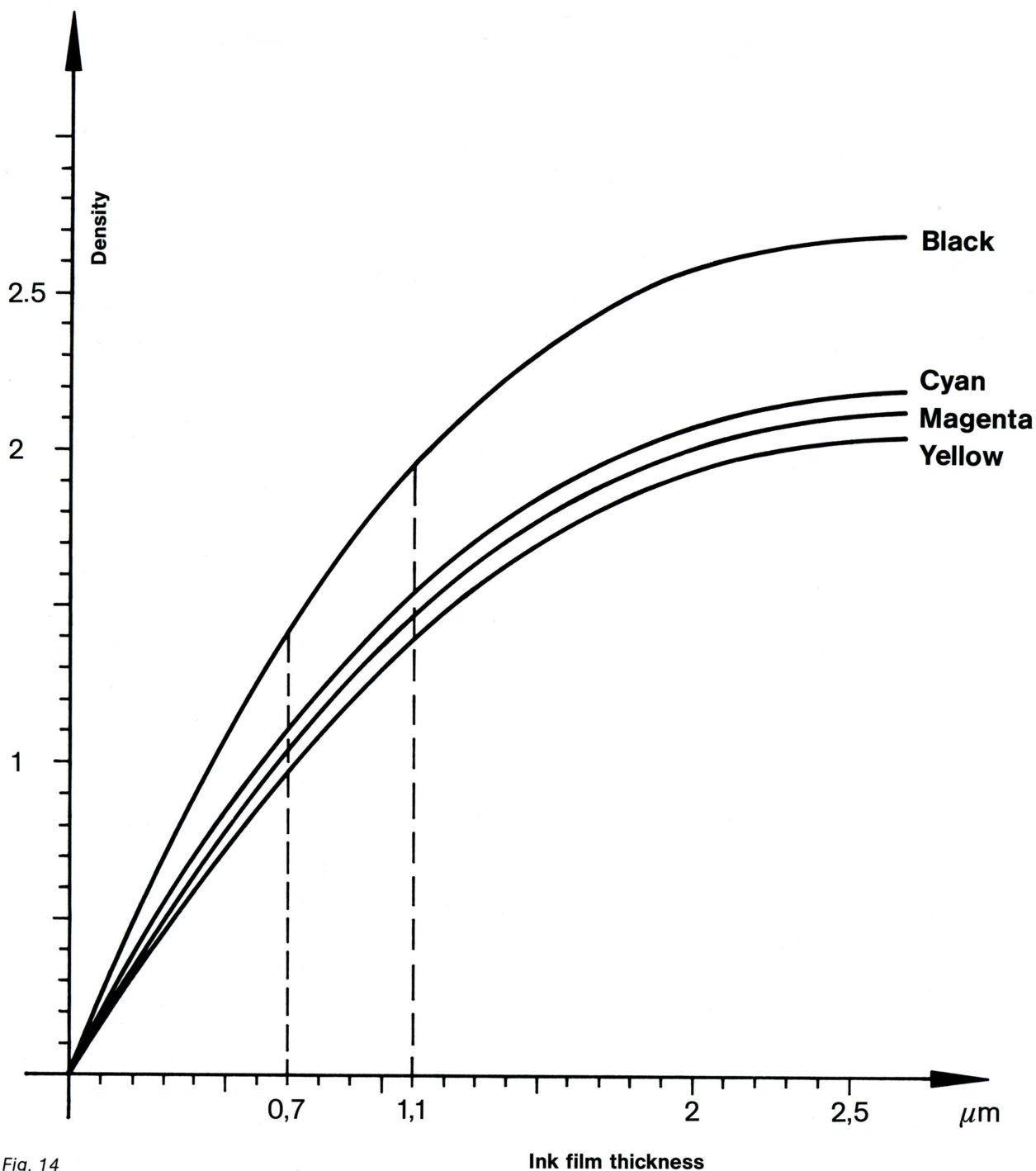


Fig. 14

The diagram shows as an example the correlation between ink film thickness and density for the four process colours in offset printing.

The two broken lines designate the ink film thickness range customarily used in offset printing between 0,7 and 1,1 μm . The diagram also shows that the density curves do not start to flatten off until significantly higher ink film thicknesses are reached, which are no longer relevant for offset printing.

Using densitometric methods, it is possible to match proof and run prints on an objective basis, and, above all, to use regular measurements during the production run to keep colour variations within a much closer tolerance band than is possible with exclusively visual control methods.