

# Trouble Shooting Guide

## Graphic Arts Film Developing

<b>problem</b>	<b>reason</b>	<b>remedy</b>
back ground toning	temperature in the developing tank too high  film processing speed too slow  too strong developer	adjust temperature to 32-34°C and check  adjust to a processing speed of 20-30 seconds  dilute developer with water
Density too low  regular: 4,8 – 5,0 ready for plate copying: 3,0	temperature in the tank too low  film processing speed too fast  replenishing rate too low  exposure time too short  light source too weak	adjust temperature to 32-34°C and check  adjust to a processing speed of 20-30 seconds  adjust replenishing rate to ca. 250 ml/m <sup>2</sup>  correct exposure time  check light and replace when necessary
silver residues at the roller ends		clean rollers and add Hardener FF to the fixer bath
silver dots on the film		add Hardener FF to the fixer bath

## **Type of films:**

	Sensitivity
Line films (Daylight films) today mostly used films	380-430 nm
Contact films (Orthochromatic Films) hardly in use today	380-430 nm
Hard Dot Films (Daylight films) completion to Line films	630 nm
Typesetting films (Infrared films)	780 nm

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