

# Processing Eastman Color Print Film at 80 F

By K. D. FOWLER, R. A. MORRIS  
and F. J. O'BOYLE

THE CONTINUED increasing demand for motion-picture color prints has placed greater pressure on processing laboratories to meet deadlines and fulfill orders. The lead times necessary to build, install and run a large-volume processing machine have precluded this approach as a short-term solution, and many laboratories have turned to conversion of existing black-and-white machines where feasible.

At the 100th Technical Conference in October, 1966, recommendations were made for a shorter higher-temperature process at 75 F for Eastman Color-Print Film, Types 5385 and 7385. This change permitted up to a 30% increase in machine speed. At the 101st Technical Con-

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ference in April, 1967, a color-print process was demonstrated with all solutions and washes at 80 F, thus allowing another 30% increase in machine speed over the 75 F process. Again, no formula changes are required. The total processing time, exclusive of drying, is reduced from 28 to 20 min.

The higher-temperature process offers improved processing efficiency with no sacrifice in image quality. The graininess, color saturation, dye stability and general physical characteristics are unchanged. Attempts to further shorten process times by raising temperatures above the recommended 80 F would increase the risk of reticulation.

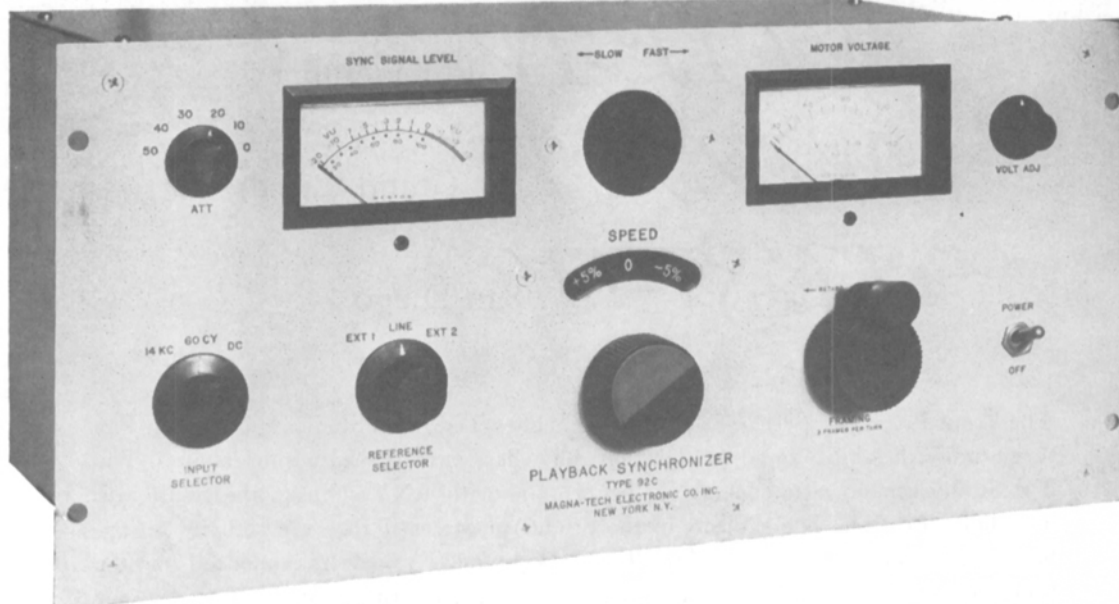
A new, fine-grained Eastman Color-Print Film for the super-8 system, Type 7380, was evaluated in the 80 F process and has been found compatible with the regular Eastman Color-Print product at the same processing times.

**Table I. Recommended Times for Trade Processing at 75 F and 80 F\* of Eastman Color-Print Film, Types 5385 and 7385.**

Solutions and washes	75 F	80 F
Prebath	10 s	same
Spray Rinse	15 s	same
Color Developer	8 min	5 min 20 s
Spray Rinse	15 s	same
First Fix	1 min 45 s	1 min
Water Wash	1 min	40 s
Bleach	6 min	4 min
Water Wash	2 min	1 min
Sound Developer	10-20 s	same
Water Wash	15 s	same
Second Fix	2 min	same
Water Wash	6 min	5 min
Stabilizing Bath	10 s	same
Total Time	28 min	20 min

\* Sound developer is maintained at room temperature for both processes.

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