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Sat April 27, 1963

HTA/5 Film Processor



STATINTL



GRanite 9-4101

As of Thurs April 25:

Sensitometric tests on the liquid bearing neck up have continued. [redacted] had some new traces by densitometer across the 9 1/2" width of some samples which they were pleased with. Visual inspection of the samples showed no blotches or mottling. Further tests with additional films will be conducted.

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Machine assembly has started. Bottom frame and tanks of the processor are going together. Assembly of components into the frames of the service unit and the mix and replenish unit have also been started.

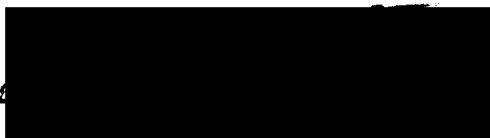
A visit of [redacted] during the week of 6-10 May will be very timely. Construction details can be examined and sensitometric tests witnessed and results reviewed.

The speed controller was reviewed in some detail. They will use stepper motors driven by a voltage pulse train. The frequency of the pulses can be varied to give variable speed. It appears that the speed can be very accurately controlled over the full speed range and there should be no difficulty meeting the accuracy spec. There is inherent cogging in a stepping device but [redacted] believes this can be eliminated by a flywheel and spring coupling. It will be tested on the neckup.

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[redacted] has not received the contract for this machine yet. There has been no further word whether the spec should be 25 fpm or 20 fpm in the spec. The question may be unimportant as the machine is being designed to transport film at 60 fpm.

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