

(1) PROJECT TITLE Modify KK-20 Calender (3) DATE: 08/09/88
 (4) DIVISION/SUBSIDIARY: _____
 (5) COST CENTER NO.: _____

NASHUA CORPORATION
 PROJECT APPROPRIATION REQUEST SUMMARY (2) PAR NO.: _____

ITEM 1. PROJECT DESCRIPTION (INCLUDE SUMMARY AND NON-ECONOMIC JUSTIFICATION)

Modify KK-20 calender to run thermal products. This will include the purchase of two supertex rolls, one spare set of bearings, one controlled crown steel roll and a device for quick roll removal.

PROJECT JUSTIFICATION:

ITEM 2. ECONOMIC DATA:

(a) AMT REQUESTED: TOTAL \$ 142,611.00 (d) CURRENT MONTH DIVISIONAL ROA _____
 CURRENT YEAR \$ _____ (e) PROJECT BUDGETED: YES OR NO (Circle One) AMT \$ _____
 CAPITALIZED \$ _____ (f) TOTAL ANNUAL DOLLARS BUDGETED \$ _____
 (b) INTERNAL RATE OF RETURN _____ (g) TOTAL SPENT AND COMMITTED YTD \$ _____
 (c) PAYBACK PERIOD _____ (h) TOTAL ESTIMATED ANNUAL EXPENDITURES \$ _____

ITEM 3. PROJECT APPROVALS:

FOR ALL PROJECTS	INITIALS	DATE	APPROVED	INITIALS	DATE
A. Project Initiator	<u>PAK</u>	<u>8/9/88</u>	L. Operating Vice President		
B. Engineering Manager	<u>BR</u>		M. Chief Financial Officer		
C. Division/Subsidiary Mgr.	<u>CA</u>	<u>8/9/88</u>	OVER \$50,000		
D. Manufacturing Manager			N. President		
E. Controller			OVER \$250,000		
F. General Manager/Cost Center Manager			O. Board of Directors		
G. Facilities Manager					
H. Regional Controller/Asst. Corporate Controller					
I. Regional V.P. (Office Systems)					
J. Vice President-R&D (Facilities & R&D Only)					
K. MIS Director (MIS Projects Only)					
L. Corporate Controller					

COATER 20 CALENDER CONVERSION

In order to coat a thermal fax product on kk-20 and calender in line a soft calender is required. The calender on this machine is a steel on steel system which would over densify the highly sensitive Fax grade.

The calender on kk-18, currently producing Fax, has two complete sets of steel rolls and seven spare soft Supertex rolls. The steel rolls require regrinding every six weeks. This extremely critical operation is performed at an outside specialist which requires a four week turnaround period. The coater 20 calender was originally purchased with only one set of steel rolls. This calender is a single nip two roll configuration with bottom loading of a controlled crown roll.

This proposal is a request to convert kk-20 calender to a soft roll configuration, Supertex on steel, and the necessary spare rolls and roll changing devices.