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E.F. MNGR ✓	FCT. ADM. SUPT.
DSGN. ENGR	MC. SHOP. SUPT.
DEV. ENGR ✓	PRODUCN. SUPT.
SERV. ENGR	ASSEMBLY. SUPT.
QUAL. ENGR	FOUNDRY. SUPT.
PROD. ENGR	METALLAL. SUPT.
MATL. ENGR	PROCESS SUPT.
CH. TL. DSGR	TOOL. PROD. SUPT.
CH. INSP. E.F. ✓	TOOL. ROOM. SUPT.
A/F MANAGER	SUPT. INSPECTION

ACTION COPY SENT
TO ENGINE SUPT
23th, November 1961

Our reference : P224 WJM/AQ

MISSION AUSTRALIENNE
S. N. E. C. M. A.
70, Bd. Kellermann
PARIS 13ème

FRANCE

COMMONWEALTH AIRCRAFT CORPORATION
BOX 779 H P.O.
ELIZABETH STREET
MELBOURNE

AUSTRALIA

FR 7/29

Mngr.		Eng. Supt.	
Sec.		A/F. Mngr.	
Asst. Sec.		Ch. Eng. A/D.	
Ch. Acct.	28 NOV 1961	Pers. Supt.	Supply Sales
Stores			
Ansd		Init.	

ATTENTION : The Manager

SUBJECT : Magnetic Inspection Compressor blades

Dear Sir,

Further to our letter P 24, we have been in contact with S.R.E.M. over a period of months regarding our proposals for "Contramag" magnetic inspection machines. This company was asked to provide proposals as follows :-

(a) Magnetic inspection of compressor blades
(b) Magentic inspection of "large parts"

Our requirement for the blade inspection machine was based on the improvement of the existing SNECMA machine which has a definite limitation because of the necessity to pass heavy currents through the roots of the blades being inspected.

The proposed new machine eliminates the use of currents through the blade root and the blade to be inspected is passed through (3) magnetising stations on an automatic cycle with a dwell of (5) seconds at each station. The first station is for the detection of longitudinal defects, the second for transverse defects, and the third for blade root defects.

The blade is drained on its return to the loading station and may be inspected immediately. Alternatively the blades may be held on bench awaiting inspection byan authority other than the machine operator.

The proposal forwarded by S.R.E.M. is not complete in that they have used the one generator for the compressor blade inspection machine and the "lafge "part" inspection machine.

In view of the fact that other arrangements have been made relative to the inspection of lafge parts, S.R.E.M. have been asked to confirm their proposal with "large part inspection" deleted.

In addition, it will be necessary for them to confirm the price of the (I4) blade holding adaptors required for the (7) blades to be inspected.

A summary of the prices quoted (some written and some verbal) for the complete blade inspection machine is as follows :-

	44,745 NF.	Basic machine
	4,240 NF.	Generator
	7,448 NF.	Blade holders
	2,750 NF.	Packing
	IO,800 NF.	Demagnetiser
Total :	69,983 NF.	

This represents approx £ 6,500 Aus. F.O.B. Marseille with a 5 - 6 months delivery ex factory. This would be about 8 months in Australia.

The additional cost to supply the "large part inspection" facilities is approx £ I775 Aus.

This proposal cannot be considered as final until sueh time as the proposed machine is discussed further with SNECMA. However, the development of the blade inspection technique has been done by S.R.E.M. in conjunction with SNECMA's methods controle and it is understood that SNECMA will be ordering a similar machine to the one proposed. We will also arrange for the description of the machine to be translated and we should be in a position to confirm the proposal in above (I) weeks time.

Yours faithfully,

G. BELLWARD