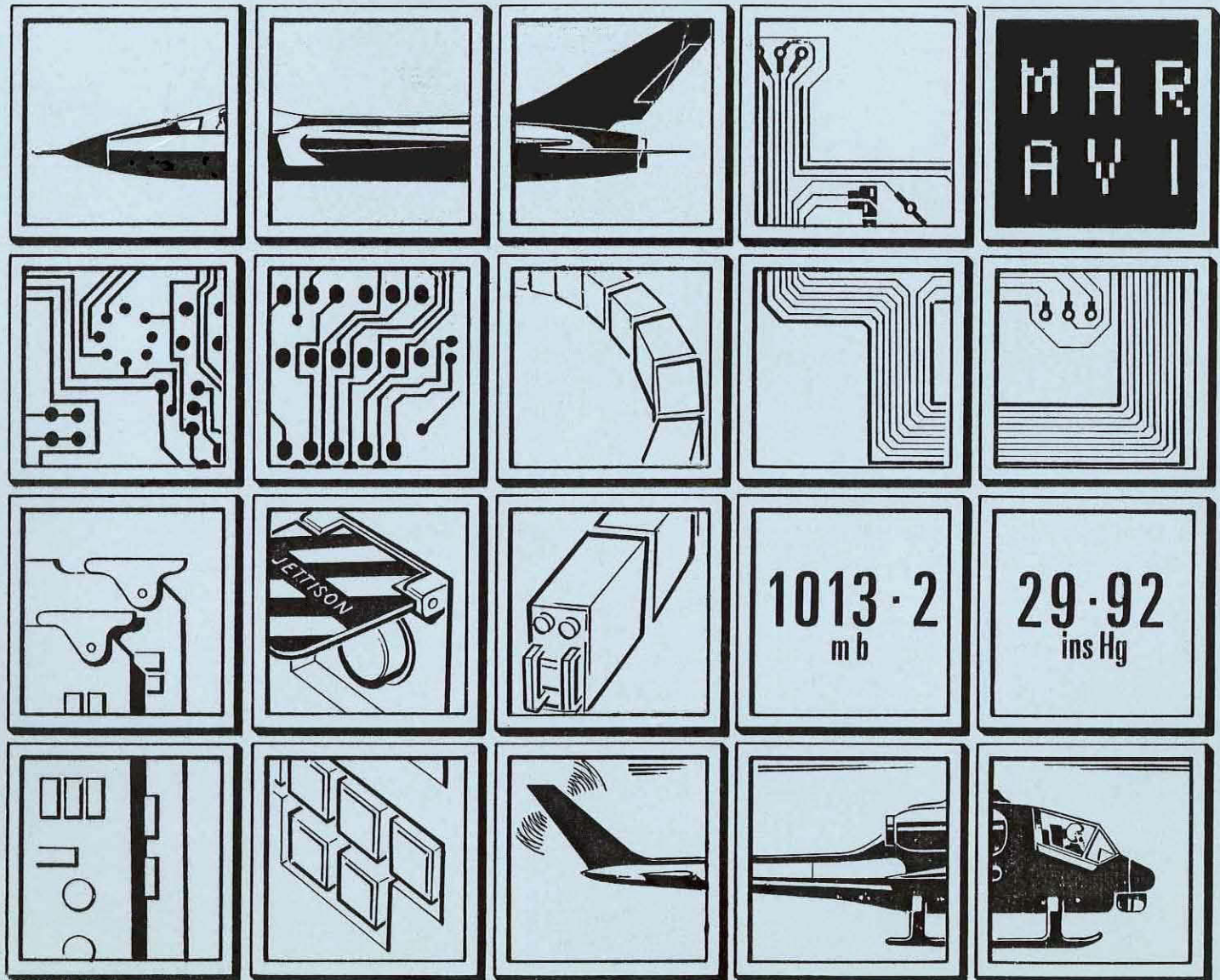


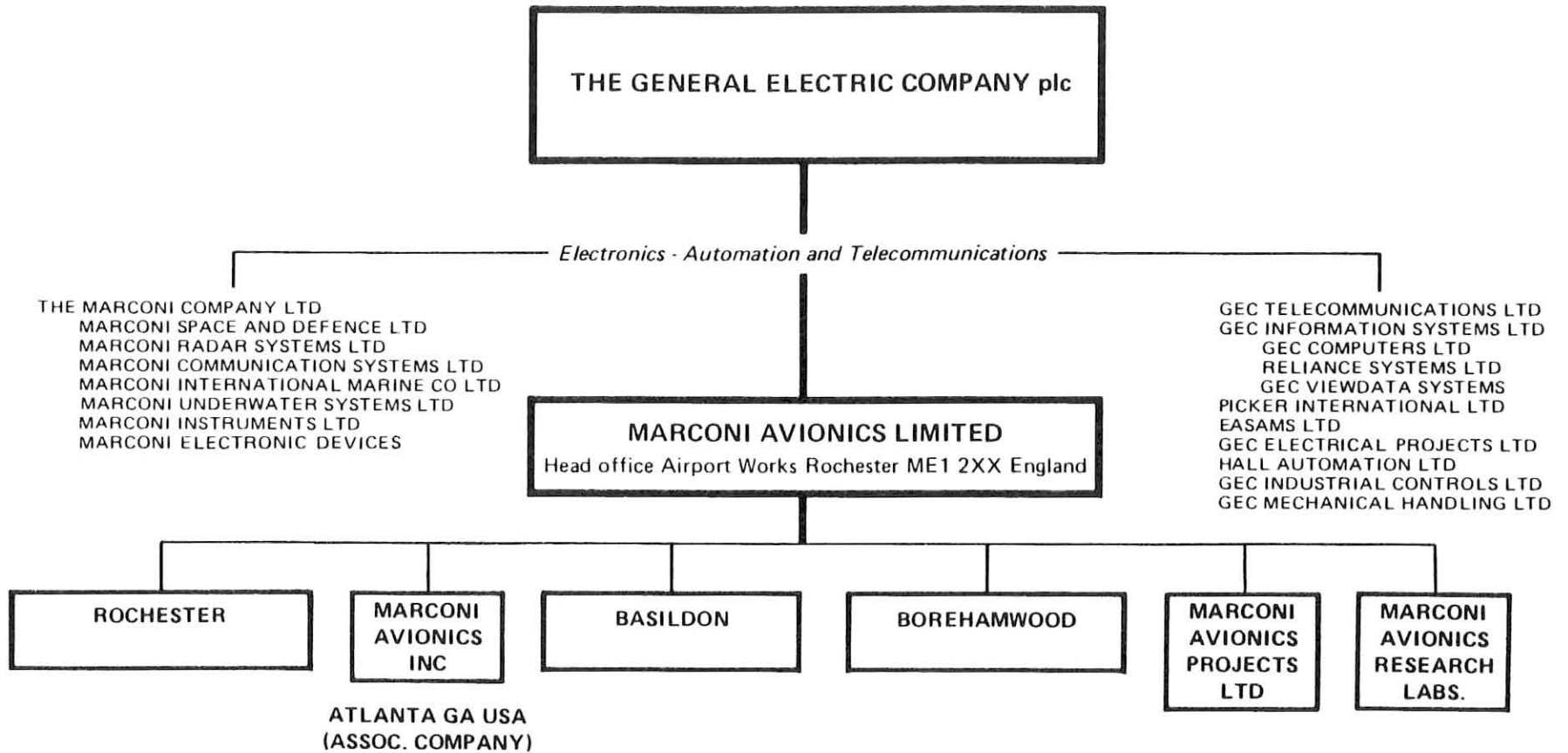
Instrument Systems Division

MARCONI AVIONICS



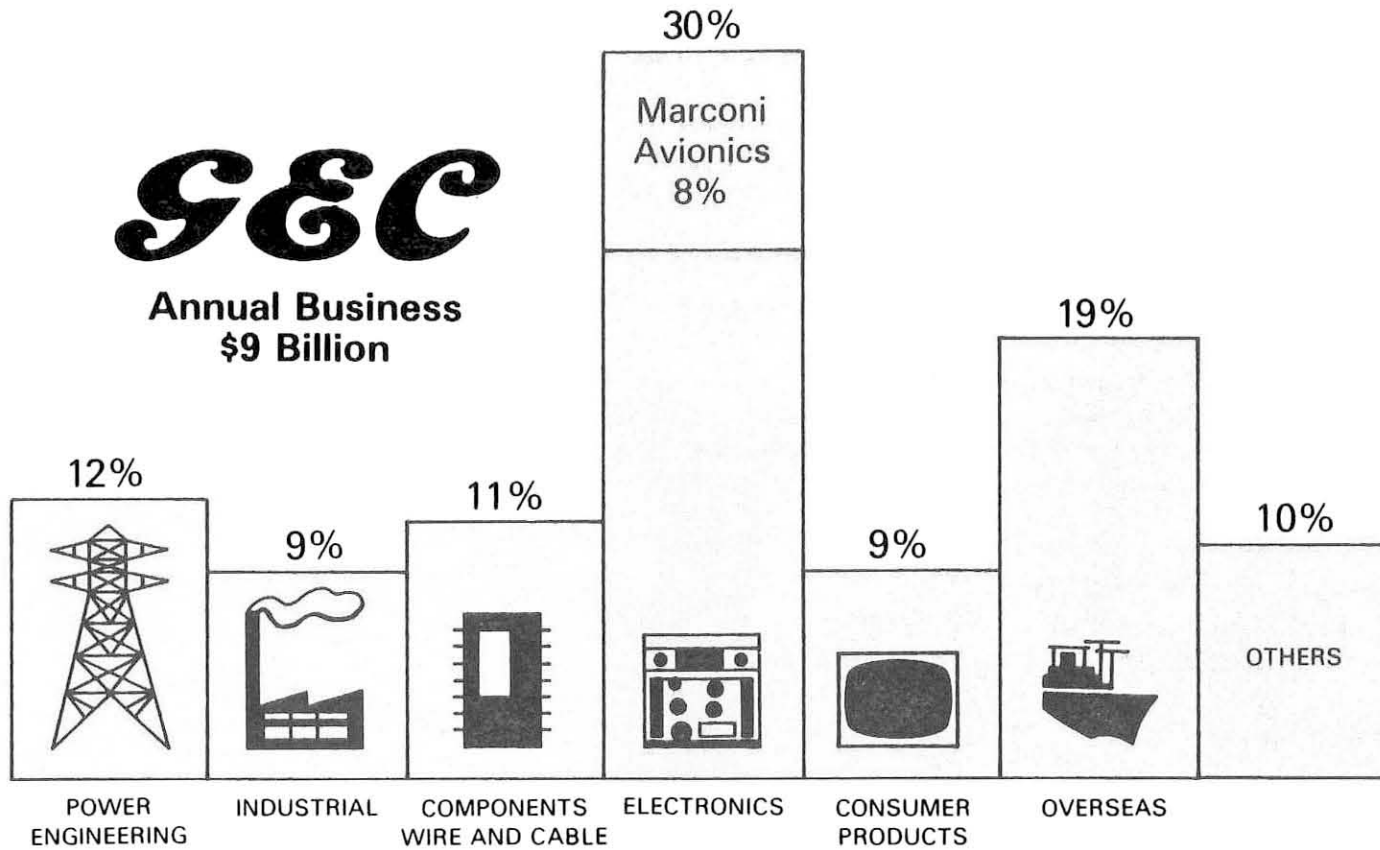
MARCONI AVIONICS

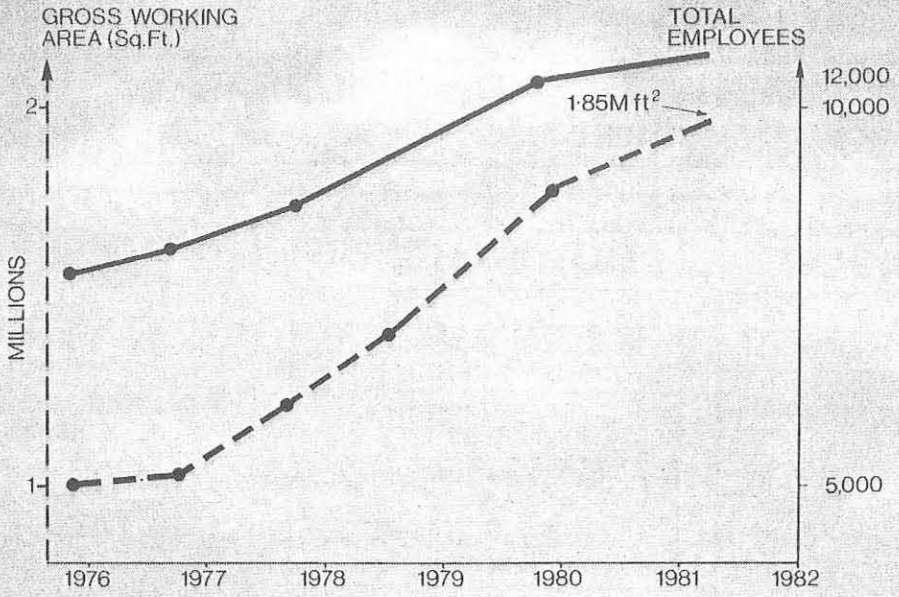
Company Organisation





Annual Business
\$9 Billion

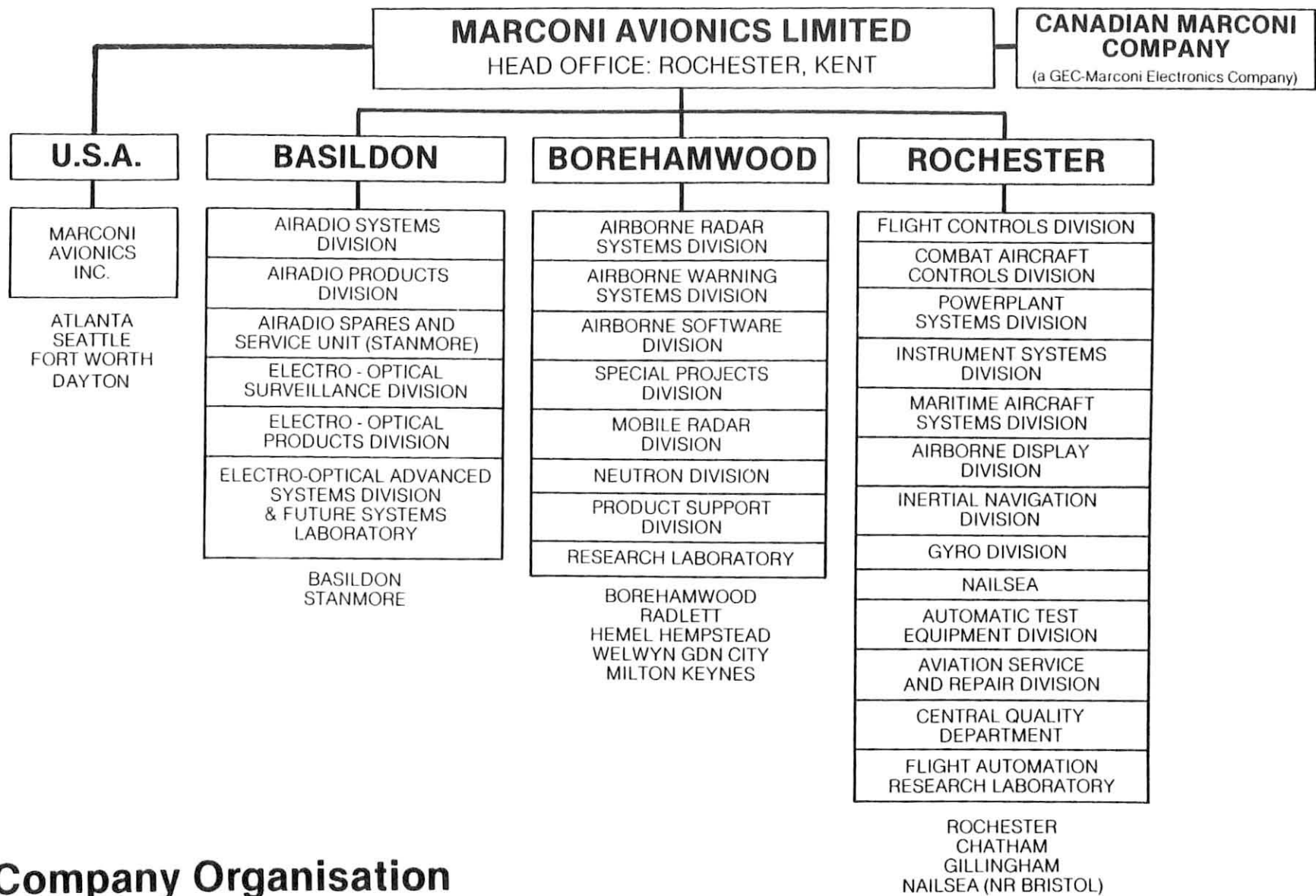




Marconi Avionics Growth

TP/634A





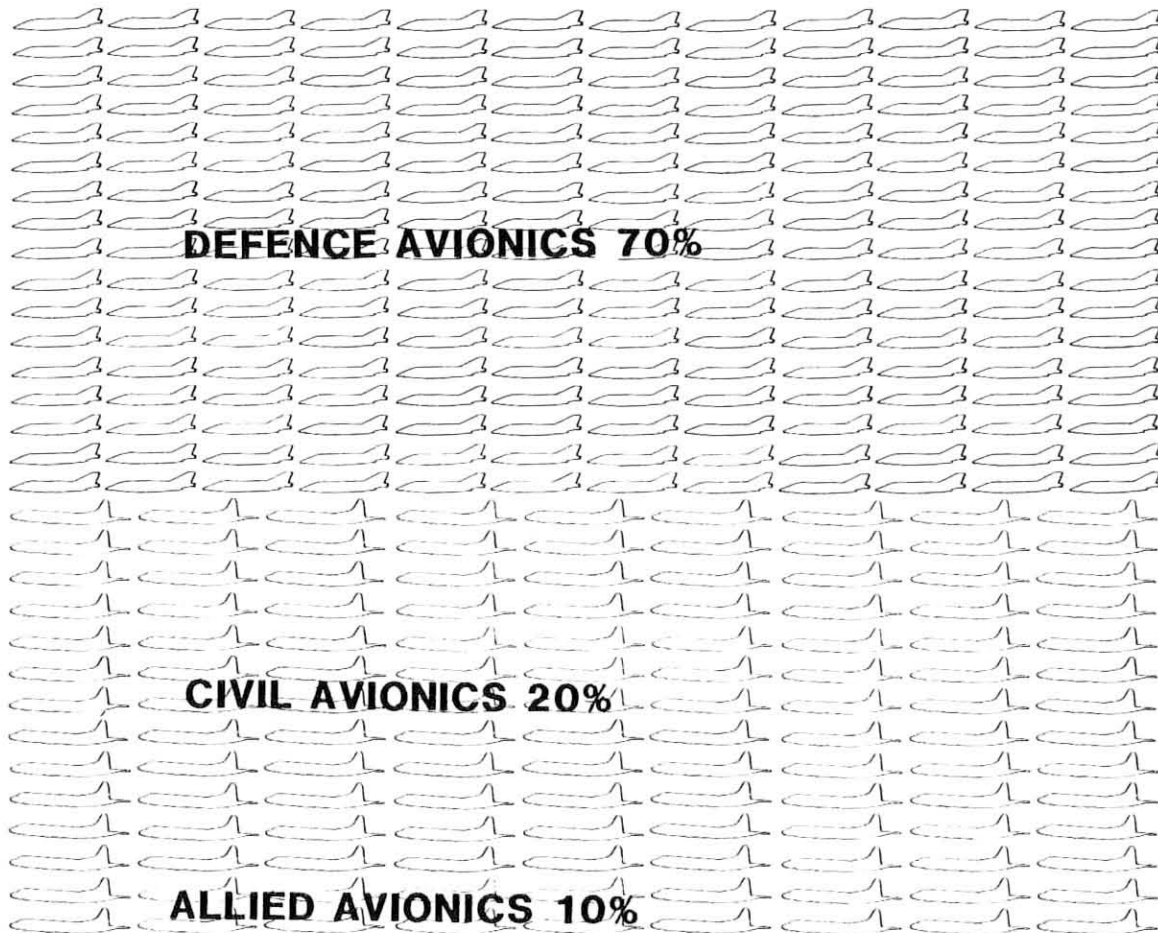
Company Organisation



MARCONI-AVIONICS INC.
HEAD OFFICE
ATLANTA, GA.



MARCONI AVIONICS LIMITED
HEAD OFFICE
ROCHESTER, KENT



**AVIONICS FOR
150 AIRCRAFT TYPES
40% OF WHICH ARE
NON-UK. CUSTOMERS**

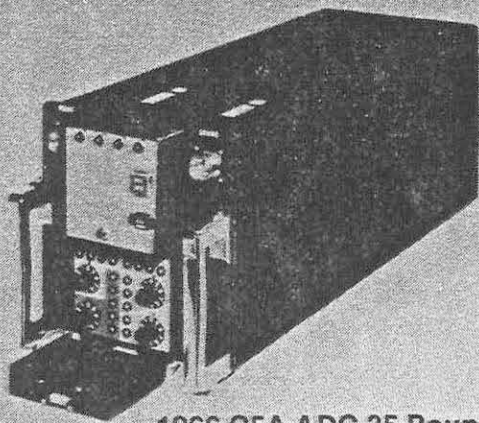
**OTHER 2%
8%**

MARCONI AVIONICS CAPABILITIES INCLUDE....

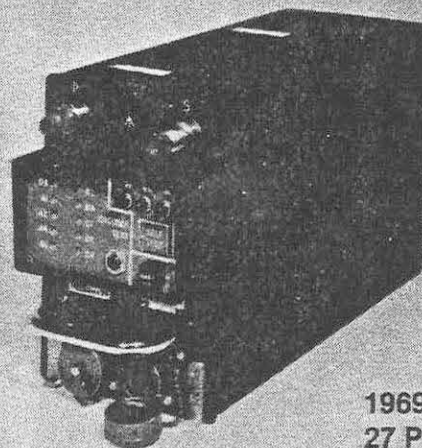
F-16 Lantirn Head-up Display



MARCONI
AVIONICS



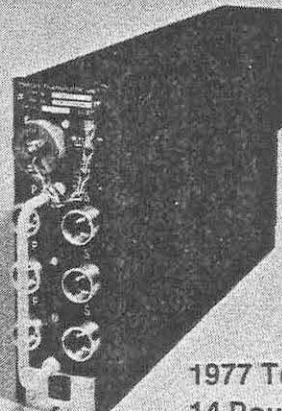
1966 C5A ADC 35 Pounds



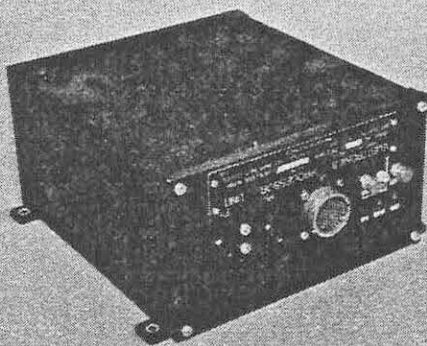
1969 Jaguar ADC
27 Pounds



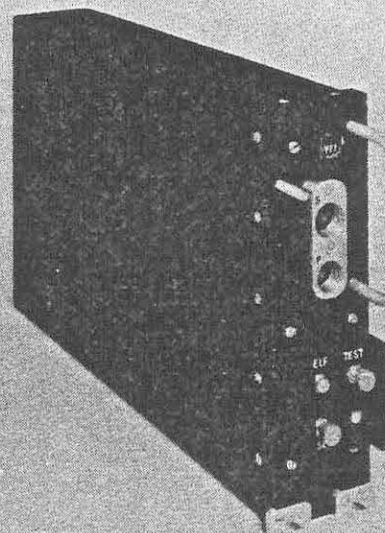
1974 Digital
ADC 18 Pounds



1977 Tornado TTU
14 Pounds



1979 Cobra ADS Computer 7½ Pounds

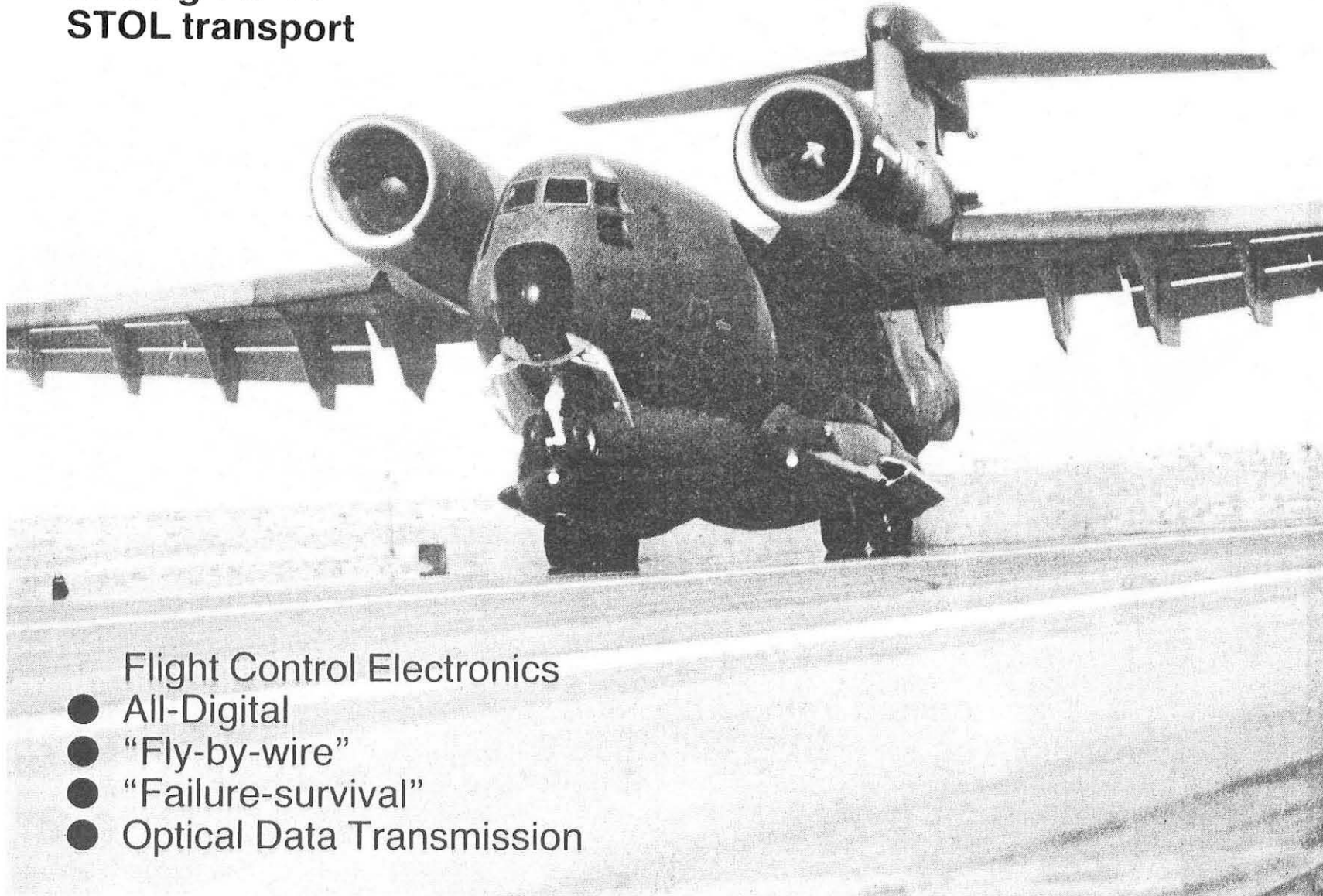


1980 Tornado ACCP Two Channels
10 Pounds

Typical programmes

MARCONI
AVIONICS

Boeing YC-14
STOL transport



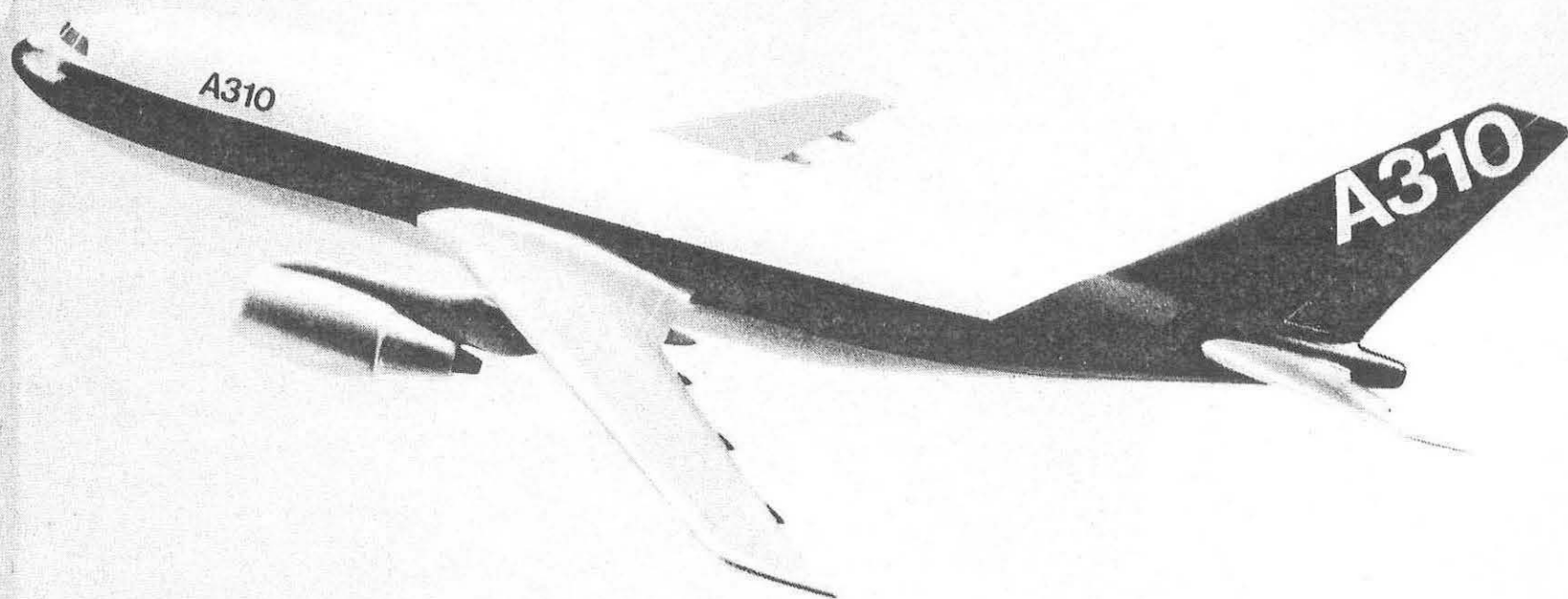
Flight Control Electronics

- All-Digital
- “Fly-by-wire”
- “Failure-survival”
- Optical Data Transmission

Typical programmes

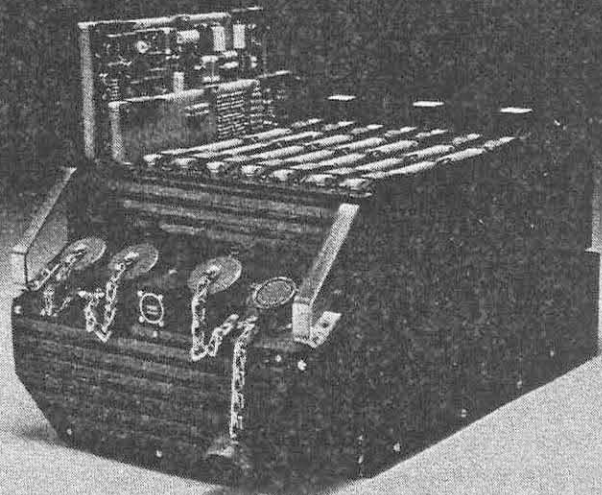
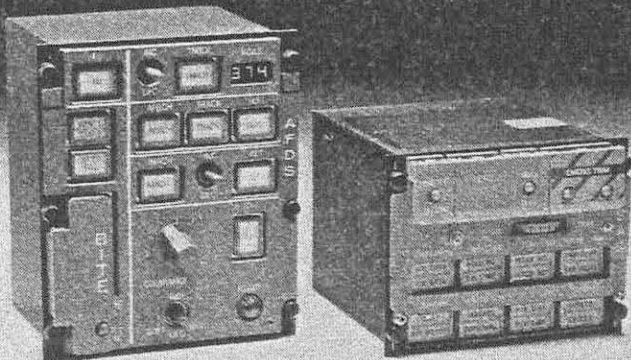
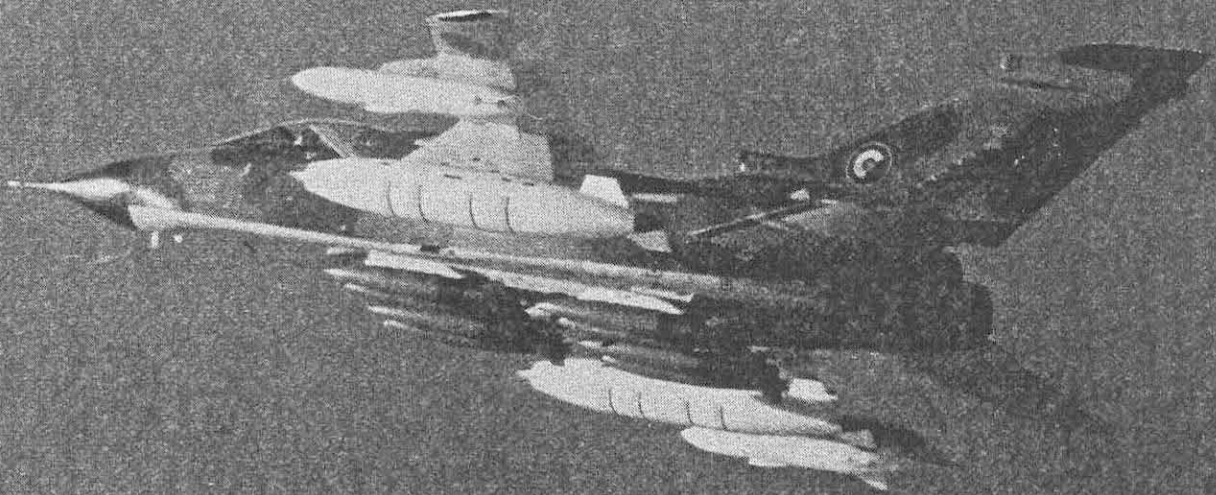
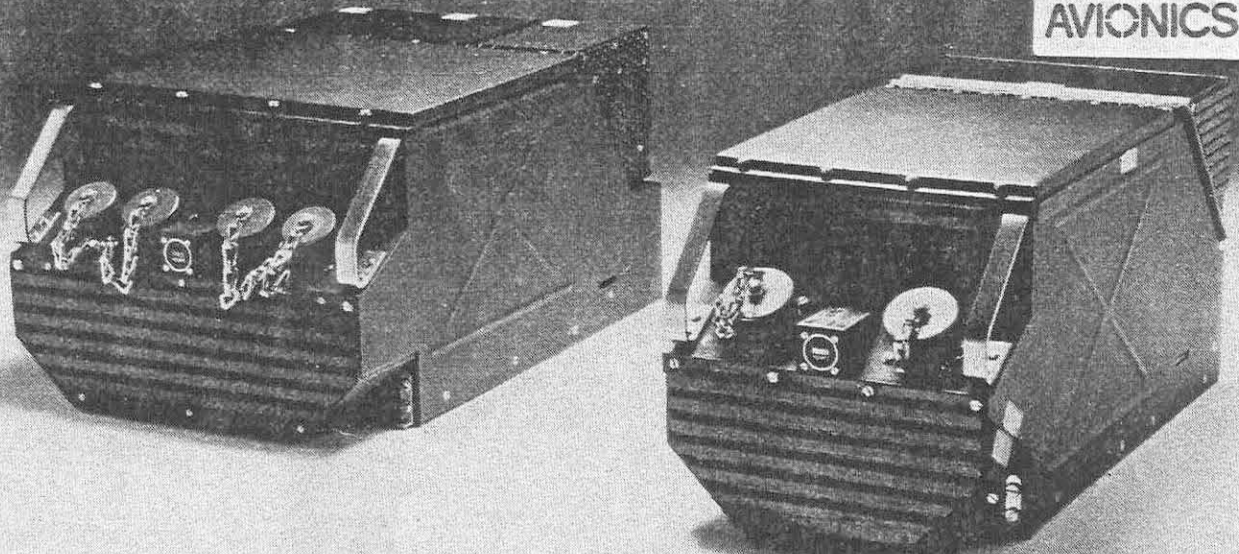
MARCONI
AVIONICS

A-310 New European Airbus



Microprocessor Based Flap and Slat Control Electronics
The world's first Intelligent Electronic Controls for an Airliner's
Secondary Flying Control System

MARCONI
AVIONICS



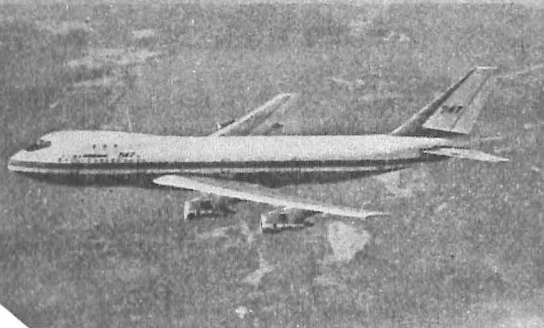
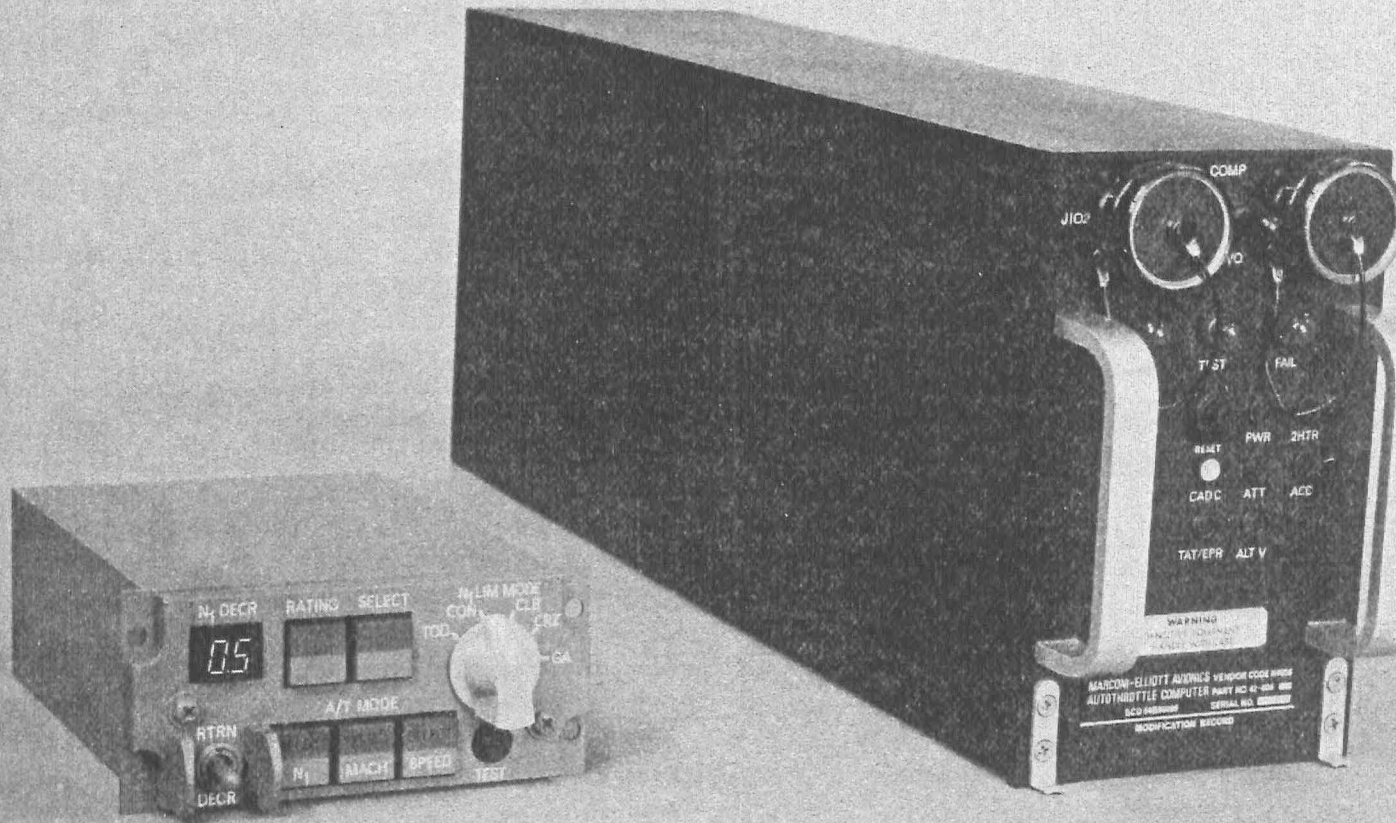
Panavia Tornado

Typical programmes

Bell Helicopter Textron AH-1S Cobra
for US Army



- Helicopter Air Data Sub-System
Electronic Processor Unit
Airspeed and Direction Indicator
Low Airspeed Indicator



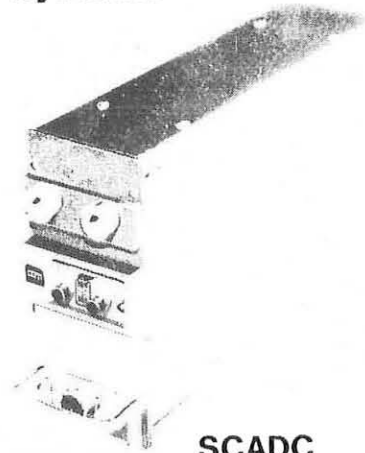
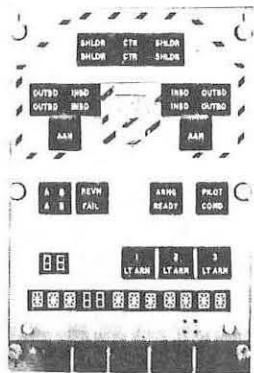
747 Auto Throttle Equipment

Instrument Systems Division

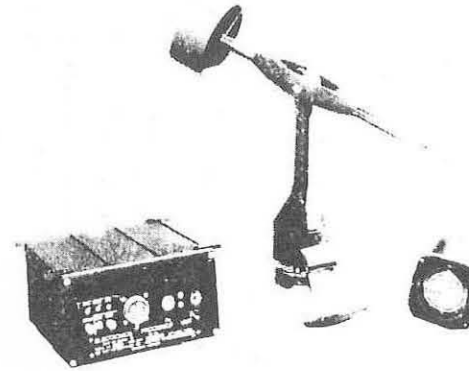
MARCONI
AVIONICS

Products

Air Data Computers
Weapons Management Systems
Helicopter Air Data
Performance Indicating Systems



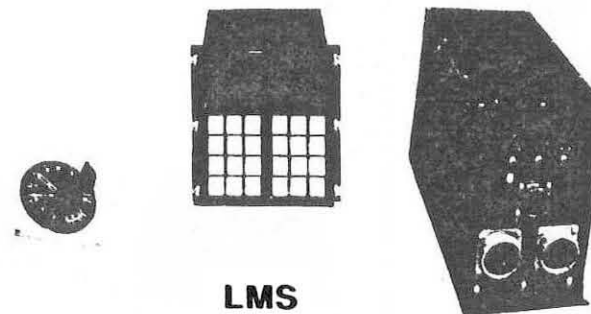
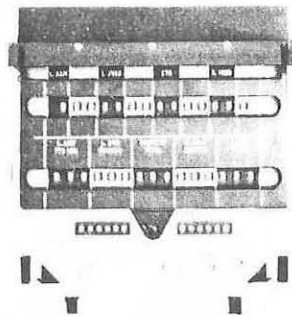
SCADC



Cobra HADS



SMS



LMS

INSTRUMENT SYSTEMS DIVISION

MARCONI
AVIONICS

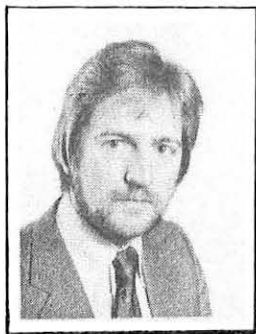
Senior Management

Divisional Manager



C.R.Reese

Commercial Manager



P.J.Hewlett

Marketing Manager



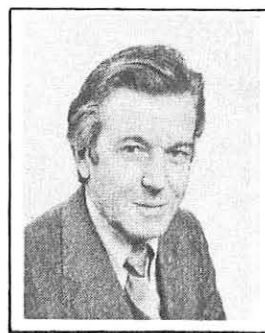
S.R.Frost

Technical Manager



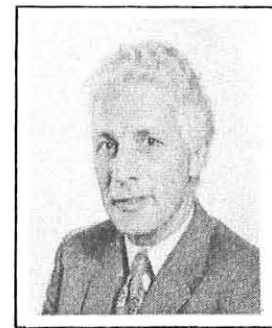
J.M.Colston

Production Manager



C.S.L.Wells

Quality Assurance
Manager



J.T.France

INSTRUMENT SYSTEMS DIVISION

MARCONI
AVIONICS

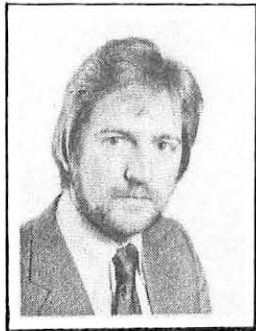
Senior Management

Divisional Manager



J.M. Colston

Commercial Manager



P.J. Hewlett

Marketing Manager



S.R. Frost

Technical Manager



K.S. Snelling

Production Manager



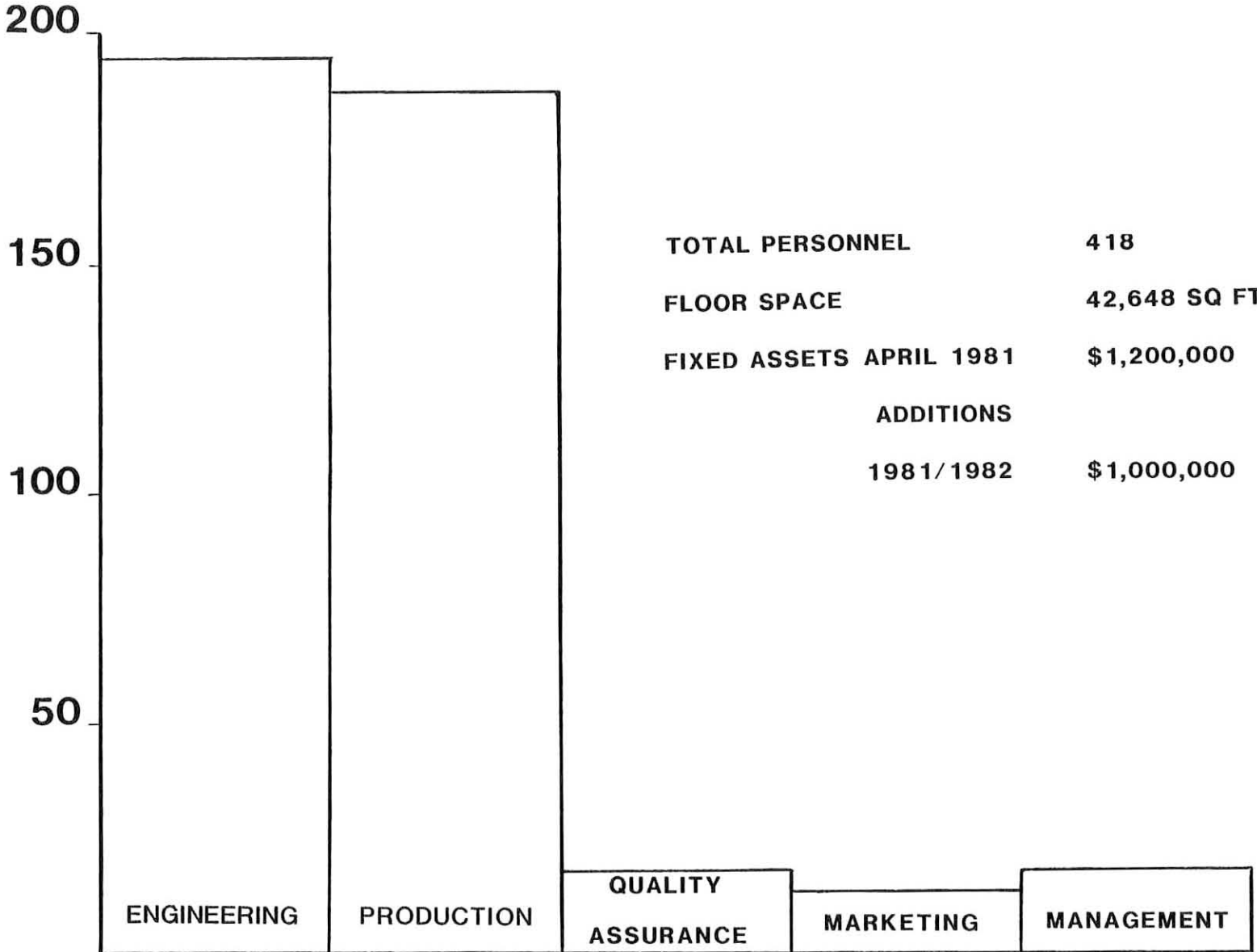
J.E. Clover

Quality Assurance
Manager



J.T. France

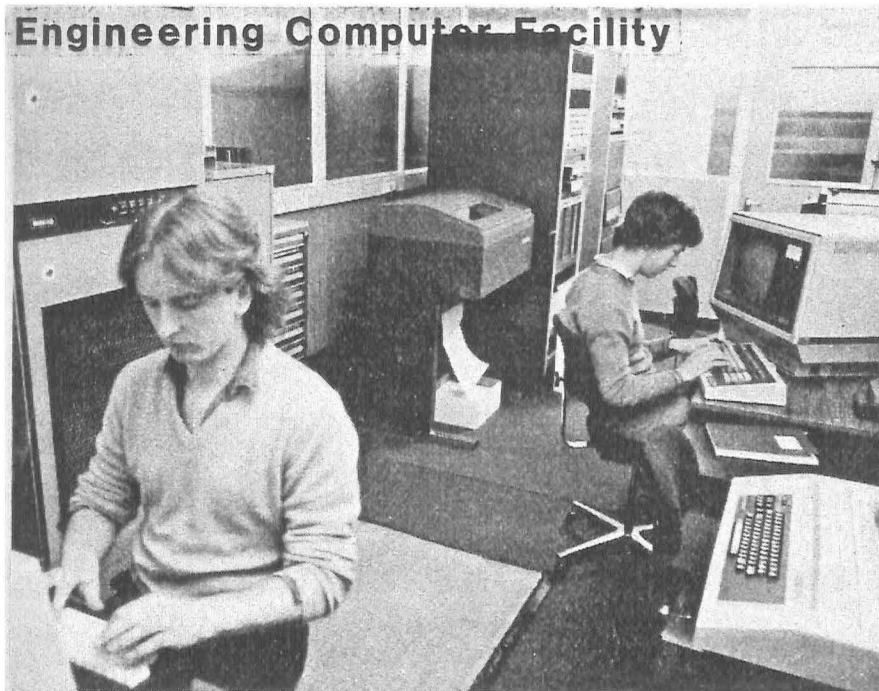
INSTRUMENT SYSTEMS DIVISION — RESOURCES



TOTAL PERSONNEL	418
FLOOR SPACE	42,648 SQ FT
FIXED ASSETS APRIL 1981	\$1,200,000
ADDITIONS	
1981/1982	\$1,000,000

I.S.D. Engineering Facilities

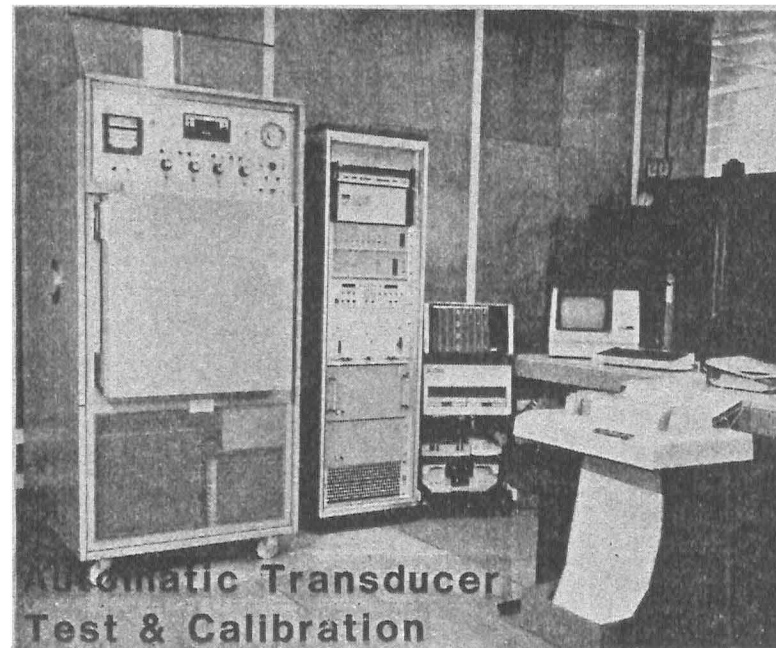
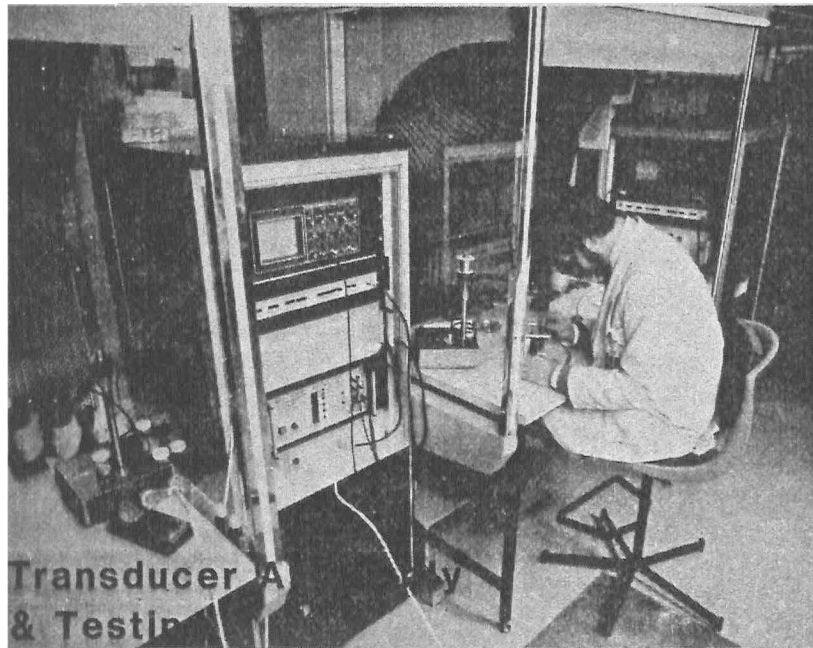
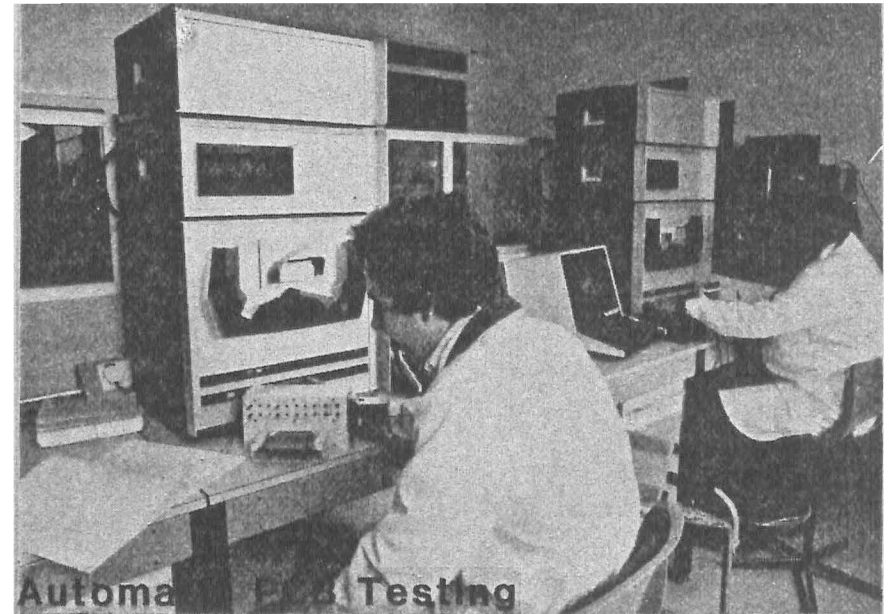
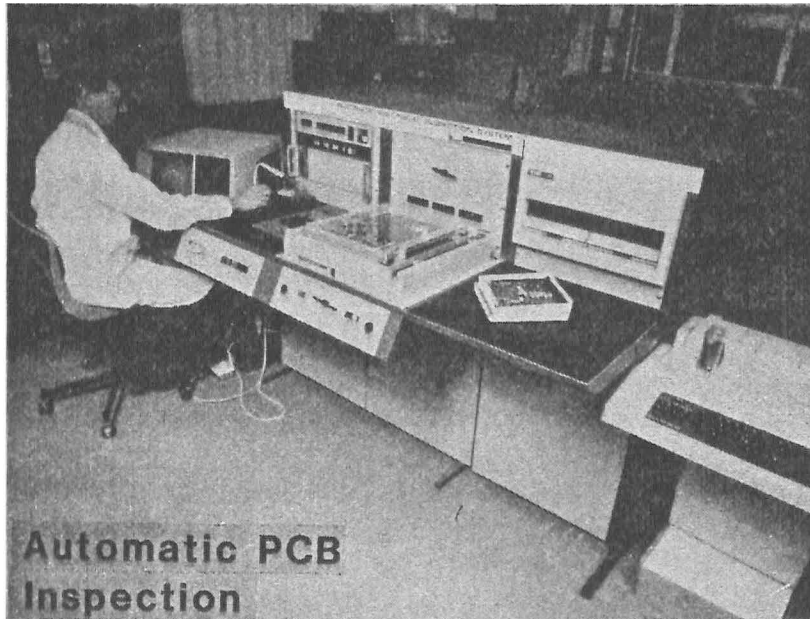
- **Extensive C.A.D. Utilisation**
- **Multiaccess Engineering Computer Facility**
- **Barometric Standards Laboratory**
- **Specialised Software Development Aids**
- **Established Software Control Procedures**



**Instrument Systems Division
Engineering Facilities**

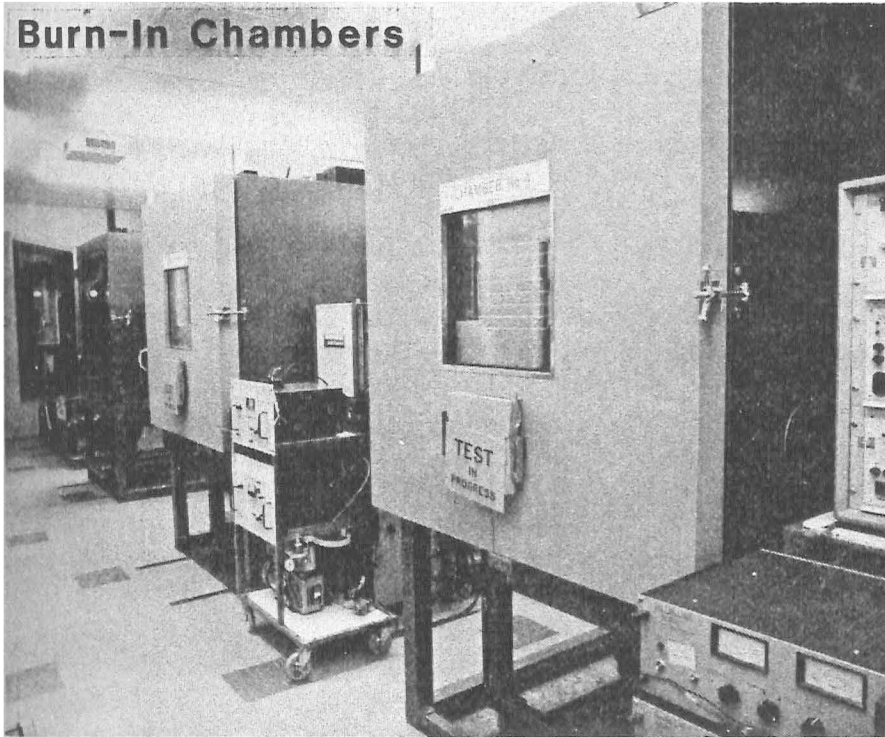
I.S.D. Production Resources and Capabilities

- **Separate Burn-In Test Area With 6 Environmental Chambers**
- **2 Fully Automated Transducer Test Plants**
- **Automatic Printed Circuit Board Inspection**
- **3 Automatic Printed Circuit Board Test Stations**
- **Current Production Averages 130 Avionics Units per Month
(Over 50% Air Data Computers)**



Instrument Systems Division Production Test Facilities

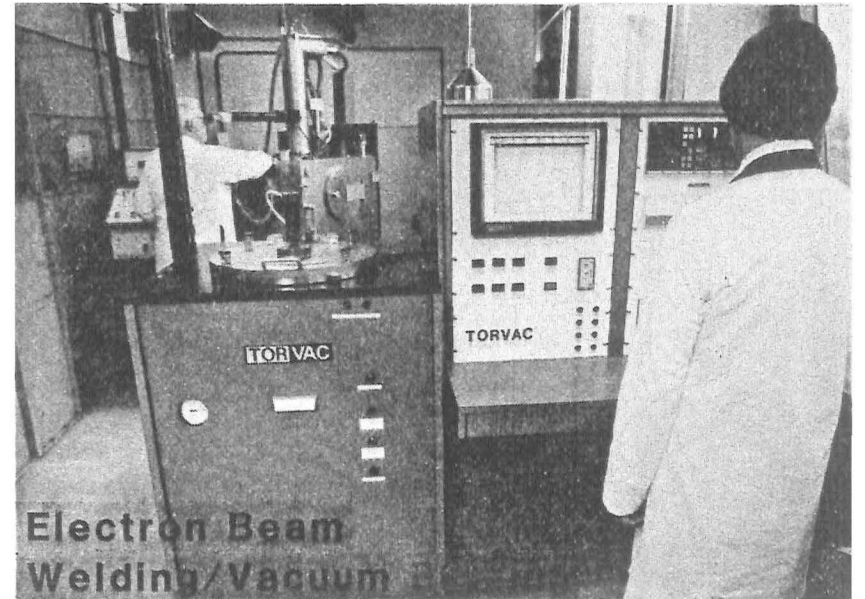
Burn-In Chambers



Assembly Area



Instrument Systems Division Production Facilities



**Electron Beam
Welding/Vacuum**