

**Automatic**

**Test Equipment**

**Division**

## Introduction

This album illustrates the Automatic Test Equipment Division of GEC Avionics Ltd., at Rochester in England. The company is a leader amongst the world's avionic suppliers; the division is the largest centre of ATE expertise in Europe.

The 71000 square feet (6600 square metres) of floor space within ATE Division is mainly occupied by the Production and Engineering Departments whose activities and facilities are shown on the following pages. The division has the capability to design, develop, manufacture and support ATE hardware and software for an extensive range of applications – from simple hand held test sets for car electronics to the most comprehensive automatic test equipments for 'boxes' from the world's advanced technology aircraft.

The Production and Engineering Departments are supported by others which do not feature in this book but which none the less play an important part in the success of the division, whose average annual turnover has been £22m per annum during the last 5 years. Quality Assurance, Contracts, Cost and Budget, Sales and Administration, whilst together only employing 10% of the total work force, still contribute essential back-up to the rest of ATE Division.





GEC Avionics Factory At Rochester, Kent, England

Automatic Test Equipment Division – Over 70,000 square feet dedicated to ATE

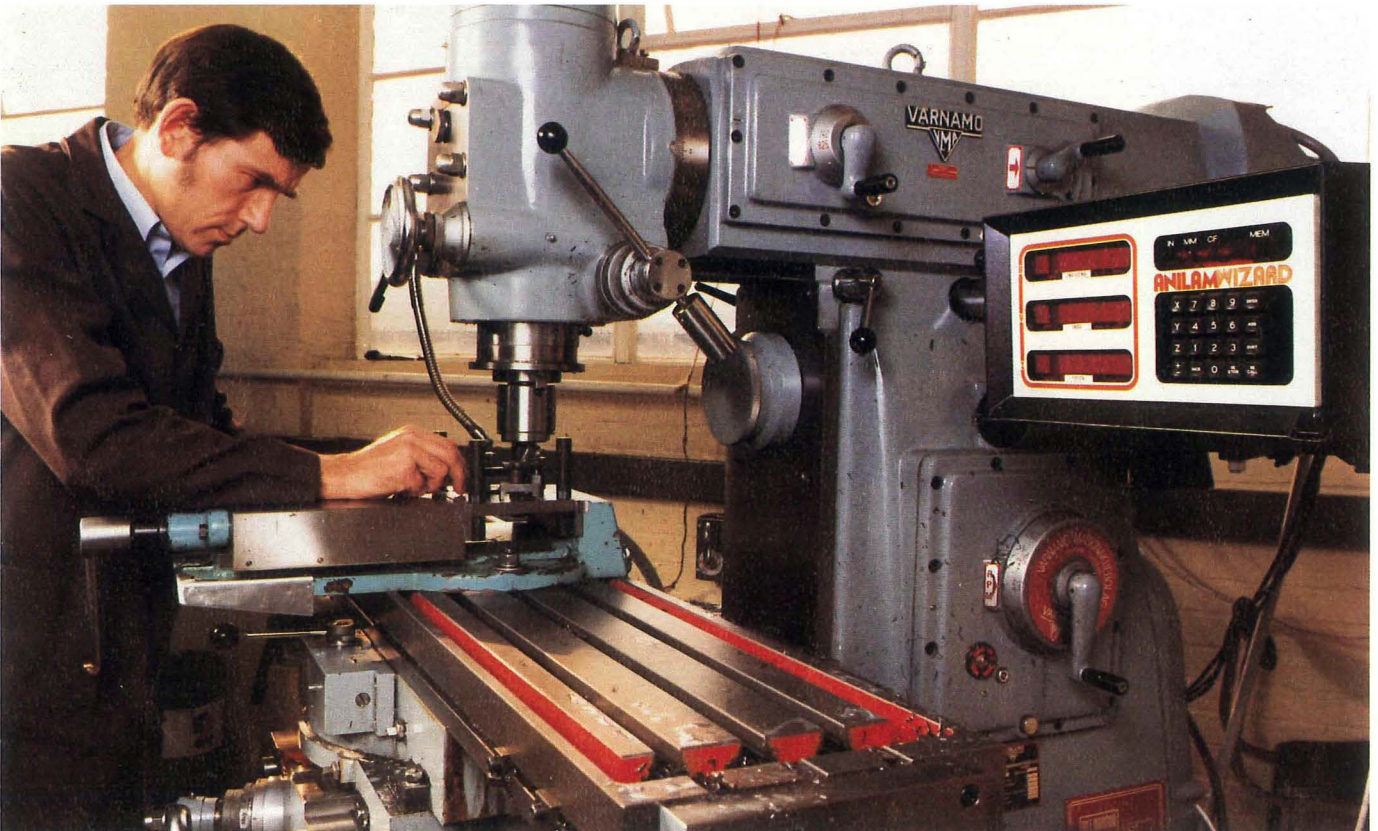






ATED Production Department Mechanical Assembly Area

Machine Shop – Universal Milling Machine

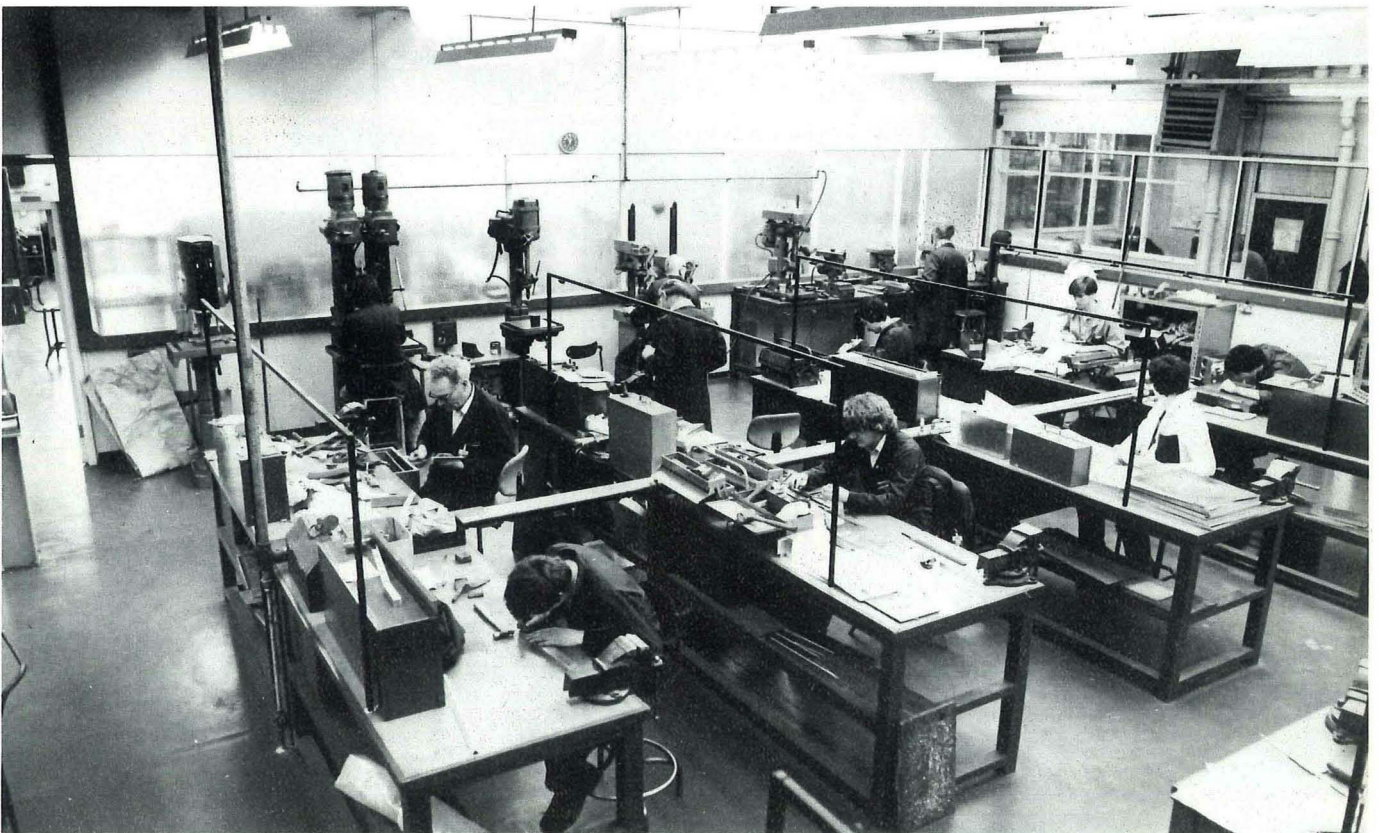






Production Department – Wiring Shop

Production Department – Mechanical Fitting Shop

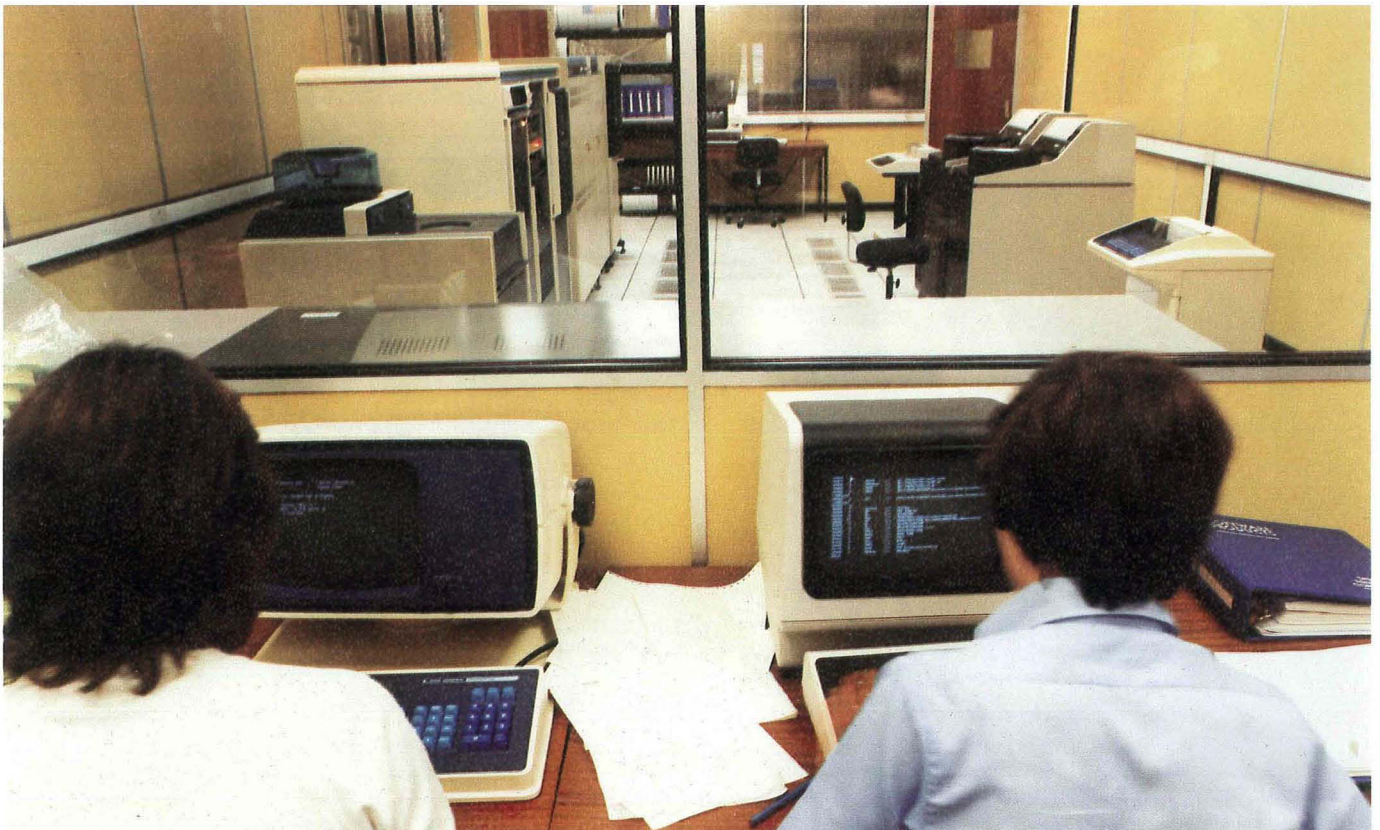






Engineering Department – General view

### Computer Facility







Computerised Stock Control

Computer Aided Scheduling







Wave Soldering Facility

## GEC AVIONICS

PCB Detailed Inspection







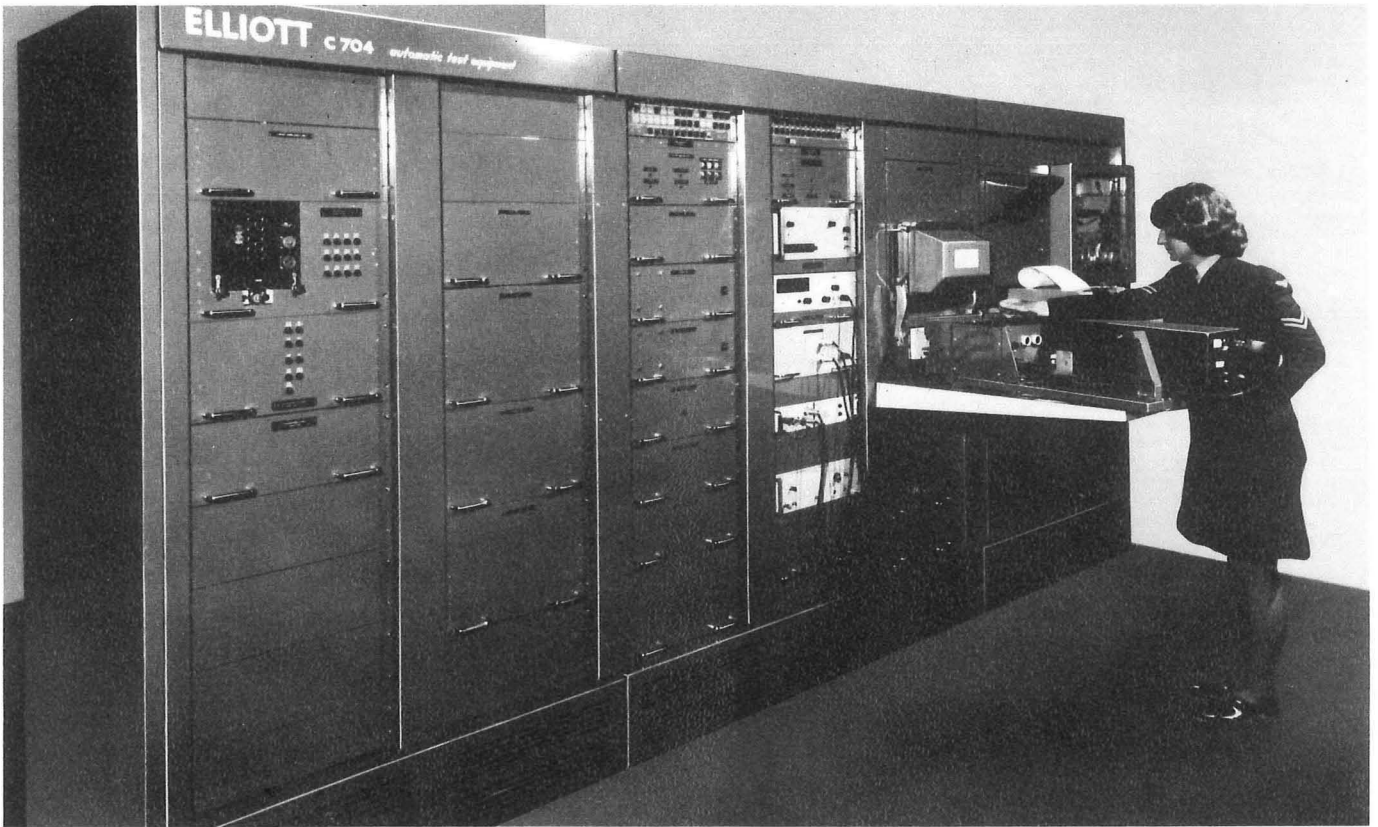
ATE Commissioning Area

## Automatic Test Equipment Division

Compact ATE for Production Testing

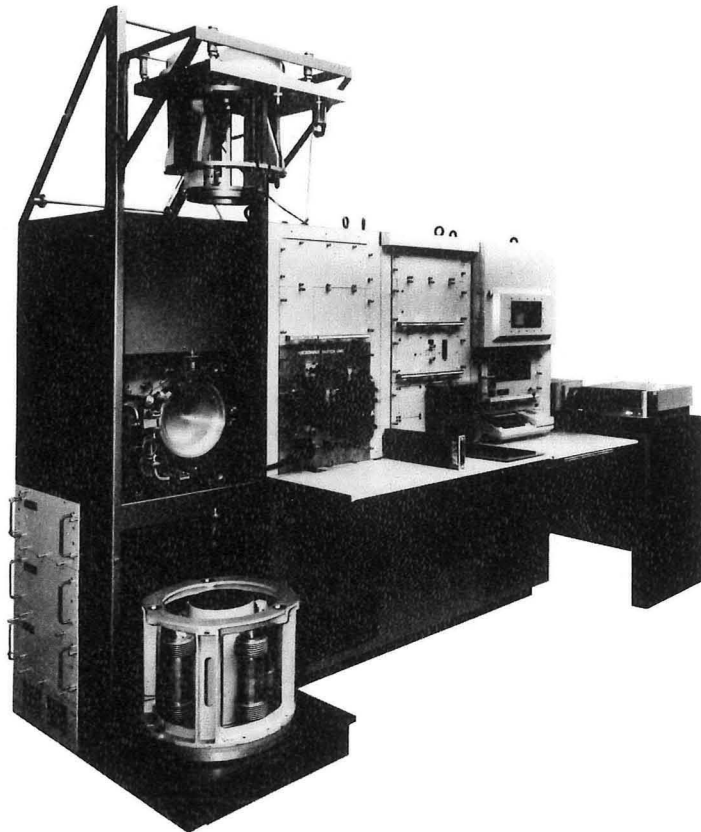




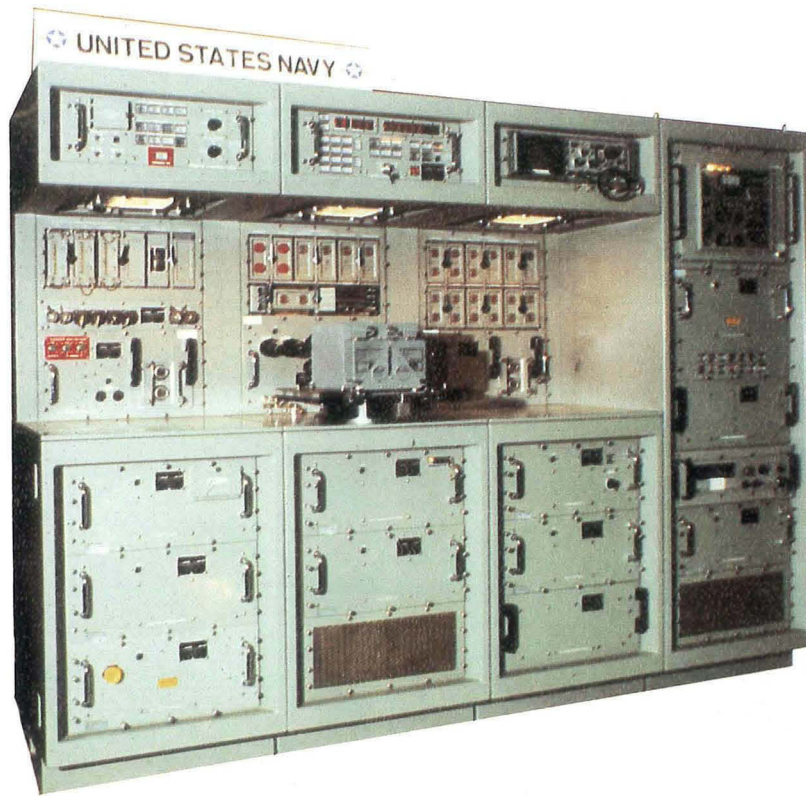


Nimrod Mk1 Aircraft Equipment ATE

Seadart Front End ATE

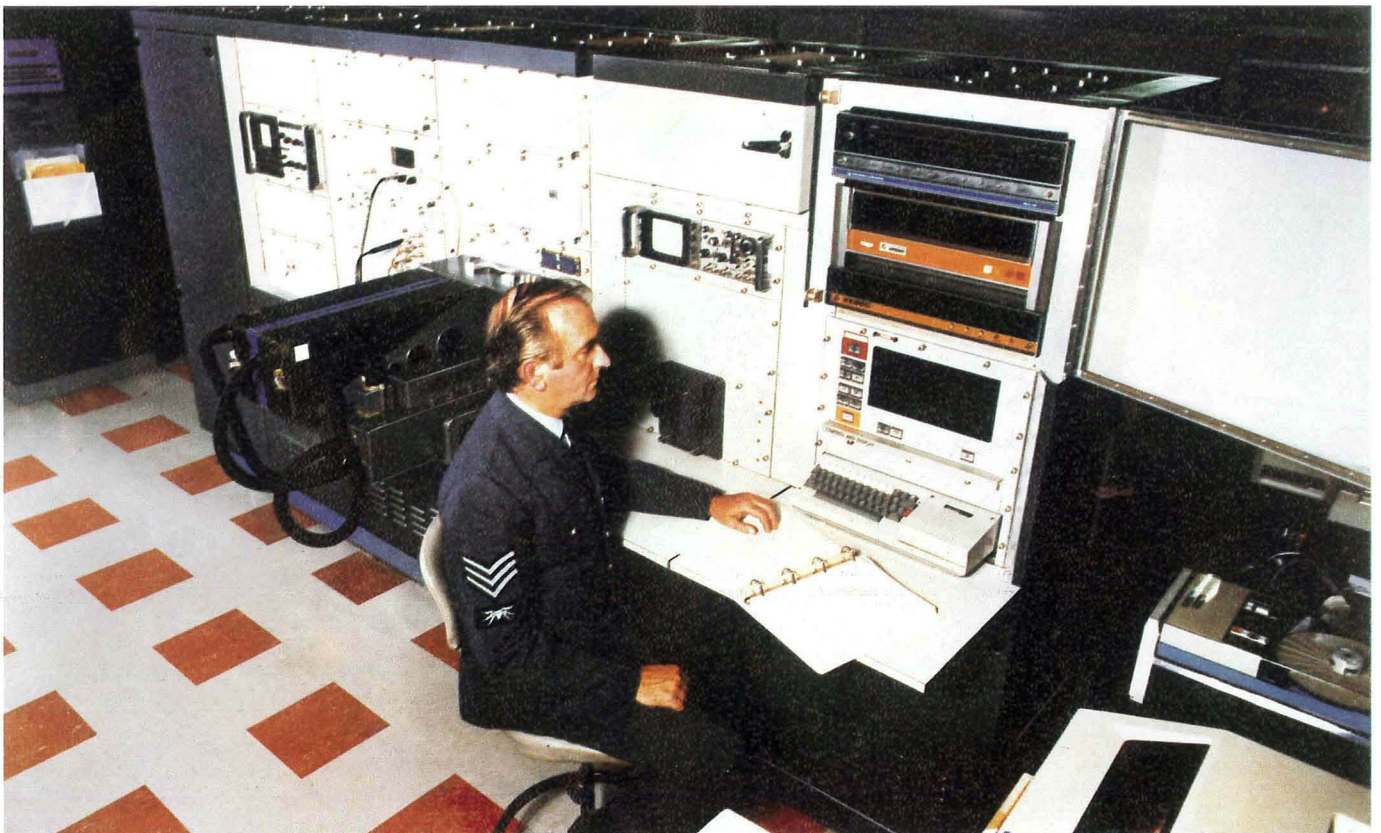




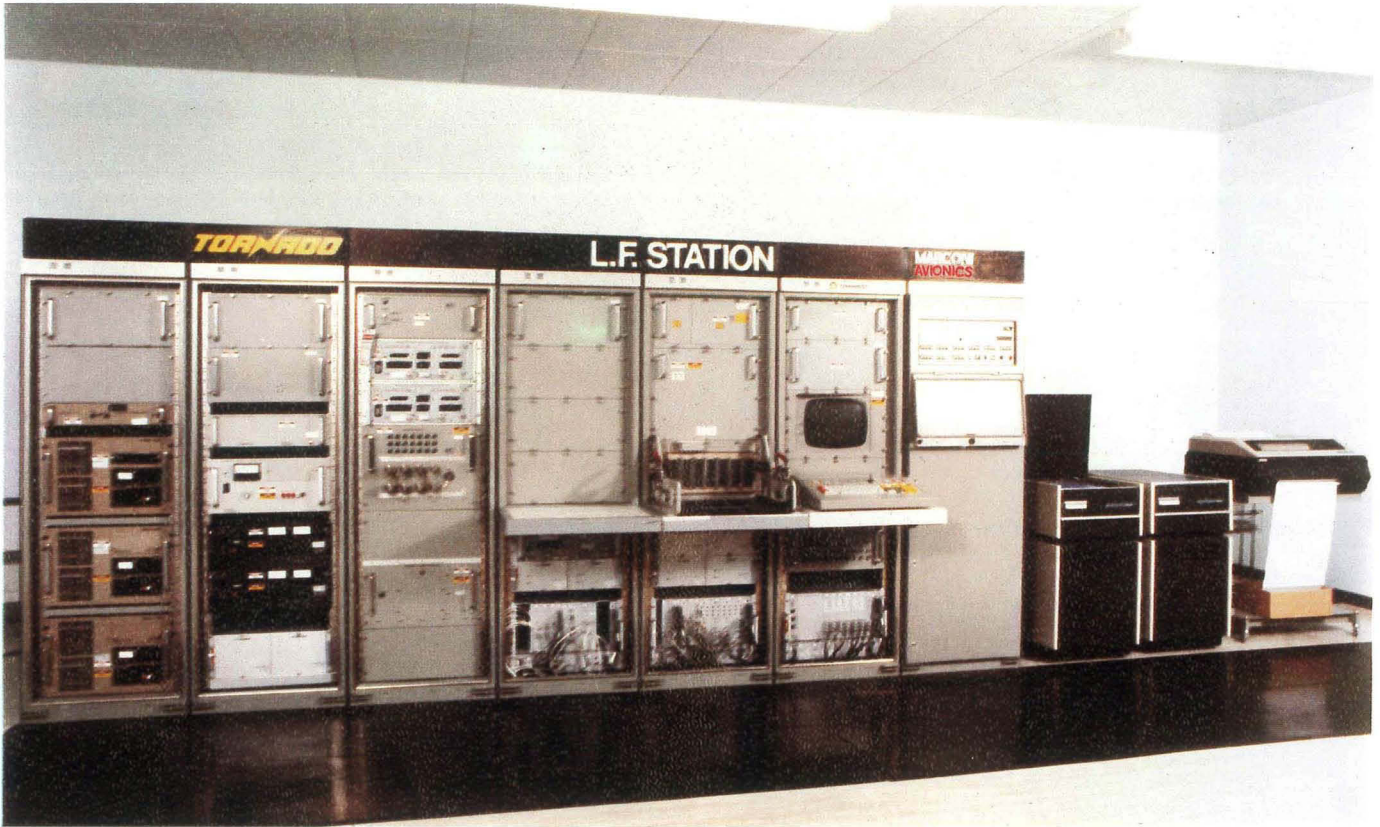


Special Support Equipment for USN A7 Corsair Aircraft

Nimrod Mk2 Aircraft Equipment ATE





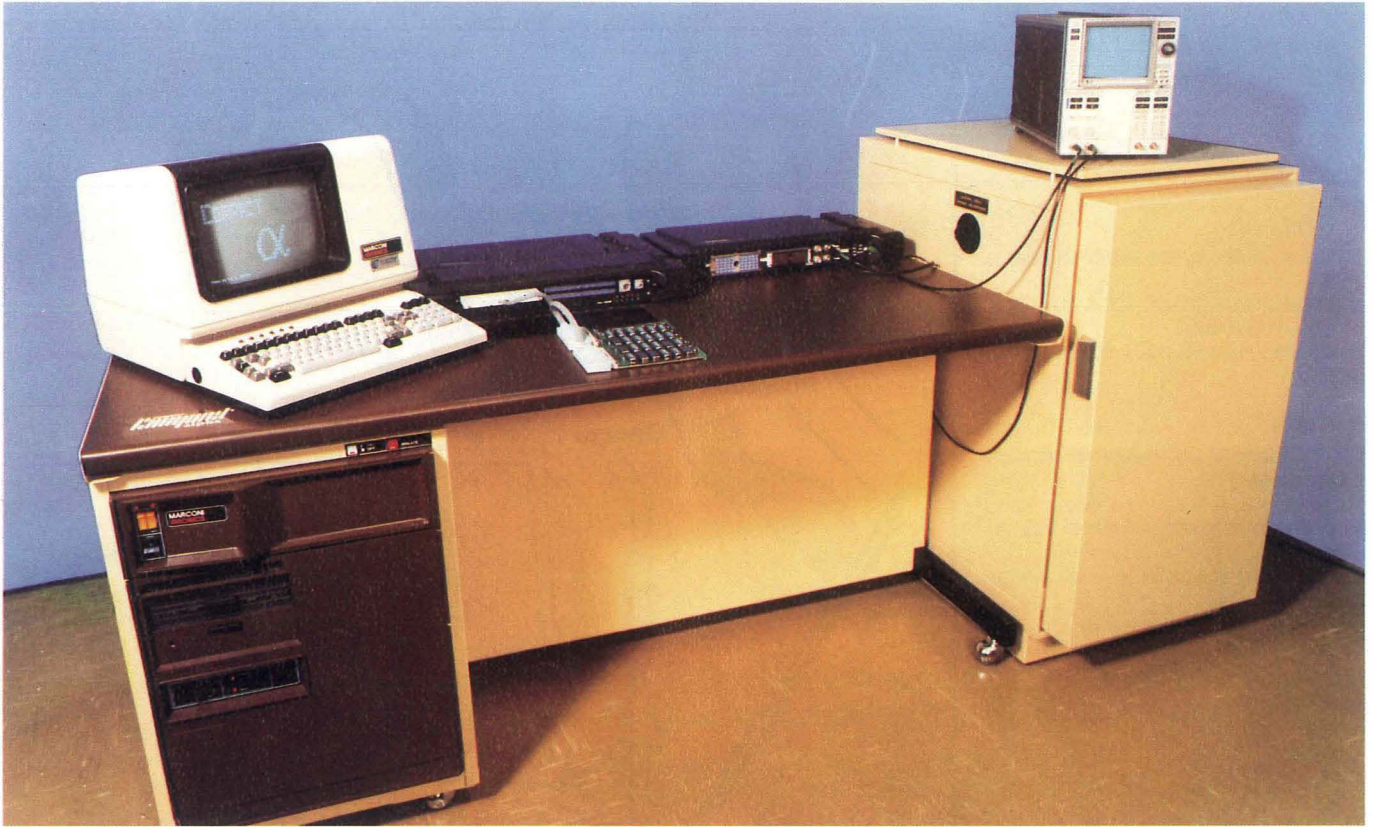


LF ATE for Tornado Aircraft Equipment

Electrical and Optical ATE for TICM Production







Compact Alpha ATE for Digital/Analogue Subjects

Orion 6620 In-circuit Digital Functional ATE





## Travelling Information

### By Road

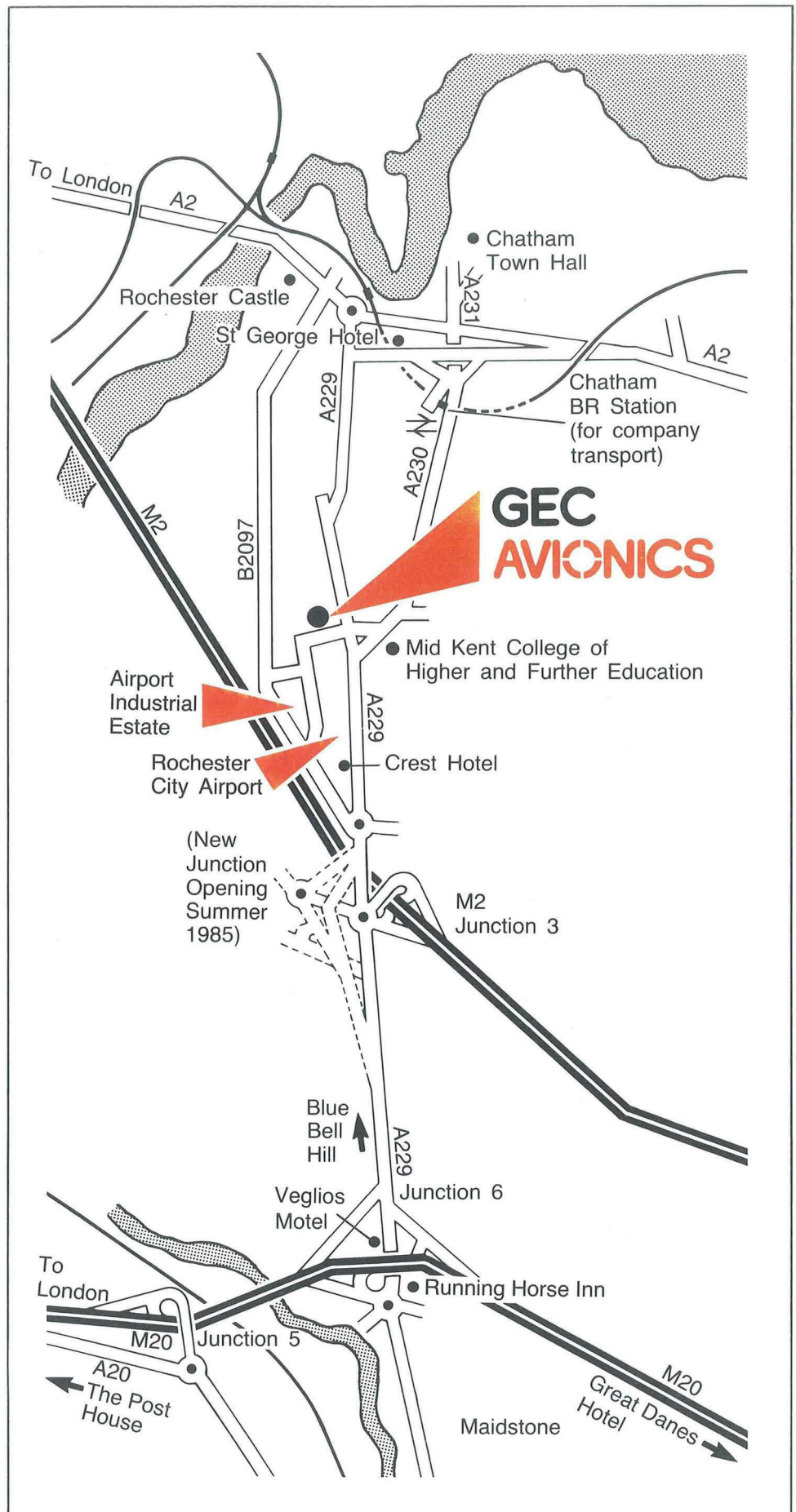
The trunk routes for the establishment are:-  
A2(M2) London-Dover, A20(M20) London-Folkestone.  
These are linked via A229 Maidstone-Chatham

### By Rail

The Southern Region station for all sites is CHATHAM.  
There are frequent services from London (Victoria) and stations in East Kent.  
Our Company bus picks up at the station by arrangement.

### By Air

Rochester Air Traffic Control  
Medway 61378



## Where to stay

- ££ Crest Hotel, Rochester Airport.  
Medway 68711
- £ St George Hotel,  
7 New Road Avenue, Chatham.  
Medway 41012
- £ Veglios Motel, Chatham Road,  
Sandling, Nr. Maidstone.  
Maidstone 55459
- £££ Great Danes Hotel,  
Hollingbourne, Nr. Maidstone.  
Maidstone 30022
- £££ The Post House Hotel,  
Wrotham Heath, Borough Green.  
Borough Green 883311



## and finally....

Now that you have 'been around' ATE Division and seen the scale and methods of our operation, here are a few facts about us that we would like you to know.

- ATE Division was formed over 20 years ago.
- ATE Division designed and produced Europe's first digitally controlled ATE for avionics.
- ATE Division has designed and produced special support ATE for the US Navy and Airforce.
- ATE Division provided British Airways with equipment for the BAC1-11, Lockheed 1011, Boeing 747 and Concorde aircraft.
- ATE Division has supplied to the Royal Air Force more ATE for Line Replaceable Units than any other company.
- ATE Division supplies equipment to some of Europe's most advanced programmes including car electronics, thermal imaging systems, digital flight control and electronic displays.
- ATE Division's equipment has been used to test subjects as diverse as car park ticket dispensing machines and torpedoes.



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**GEC AVIONICS**

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