

# Getting Witham Main into production

By now, the first stage of the move into the assembly areas of Witham Main will have taken place, and full demands will be made on those responsible for the smooth running of the plant and its services, namely, the Plant Engineers.

During installation, Geoff Beeston pointed out some of the services required before the machines could be moved in: special gases, bought in bulk and evaporated on the premises, compressed air, vacuum, town gas, cold water—tank and drinking,

Electrical supply and the main high-voltage isolating switch. Electrical Chargehand Ron Flitt is closing the 11 kV feeder to the 1,000 kVA, auto, on line, tap change, transformer. Regulations demand that an authorized person must make the switching, and must be accompanied. On the right is Plant Engineer Geoff Beeston



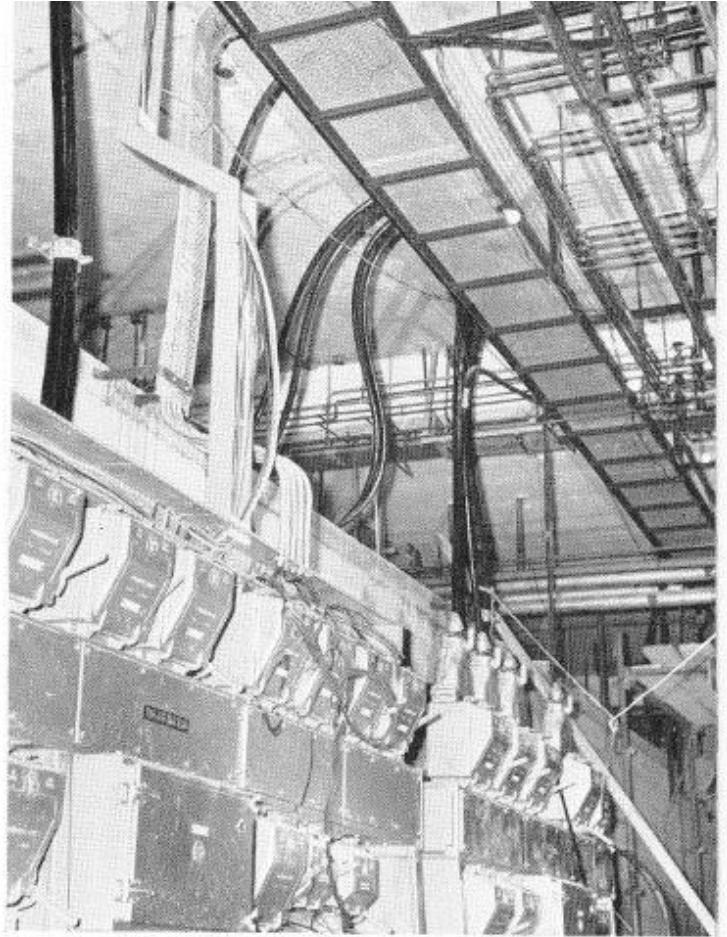
hot water—domestic and heating, deionized water, acid drain, boiler fuel, and more, including electrical services, all identifiable in any part of the system by a colour code. Essential for assembly is the enormous clean-air system which supplies the processing rooms. Filters remove the impurities from it. Heaters and refrigerators control the temperature of it, and make it comfortable for people to work in, at  $72^{\circ} \pm 1^{\circ} \text{F}$ , summer and winter.

Services are one side of the job; maintenance is another. In the workshop, machines taken out of operation are serviced and reconditioned. This is a strictly systematic business, based on the principle that we cannot afford production time-loss from plant failure. The key to it is the plant register, from which charts of weekly, monthly, and periodic inspections and overhauls can be built up, the load calculated and worked out on a time schedule.

These then are some of the jobs of the engineers, whose duty it is to see that services will be maintained 365 days a year, and that the factory itself is a fully operating machine, capable of working to capacity.

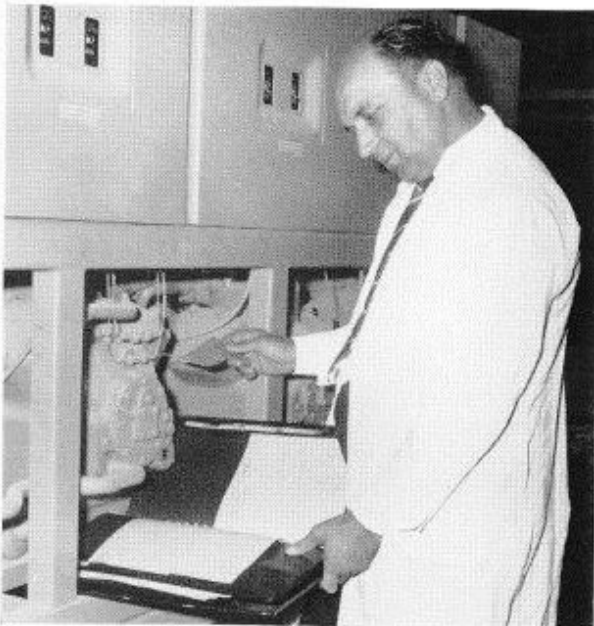
Left: The mechanical and electrical maintenance of machines for production is the responsibility of the Plant Engineer. Here are Jim Spicer, right, Fred Ashley, centre, and Ron Flitt, Electrical Chargehand of the Witham Plant Engineer's department, carrying out a three-monthly preventative maintenance inspection on a Slec, circuit-encapsulating machine

Below: The plant register is a most important book. It contains the life-history of all equipment and operating instructions, service and overhauls are all entered in it. Here is Jack Smith taking details of a new refrigeration compressor for the register. Several of these machines are used in the air-conditioning system

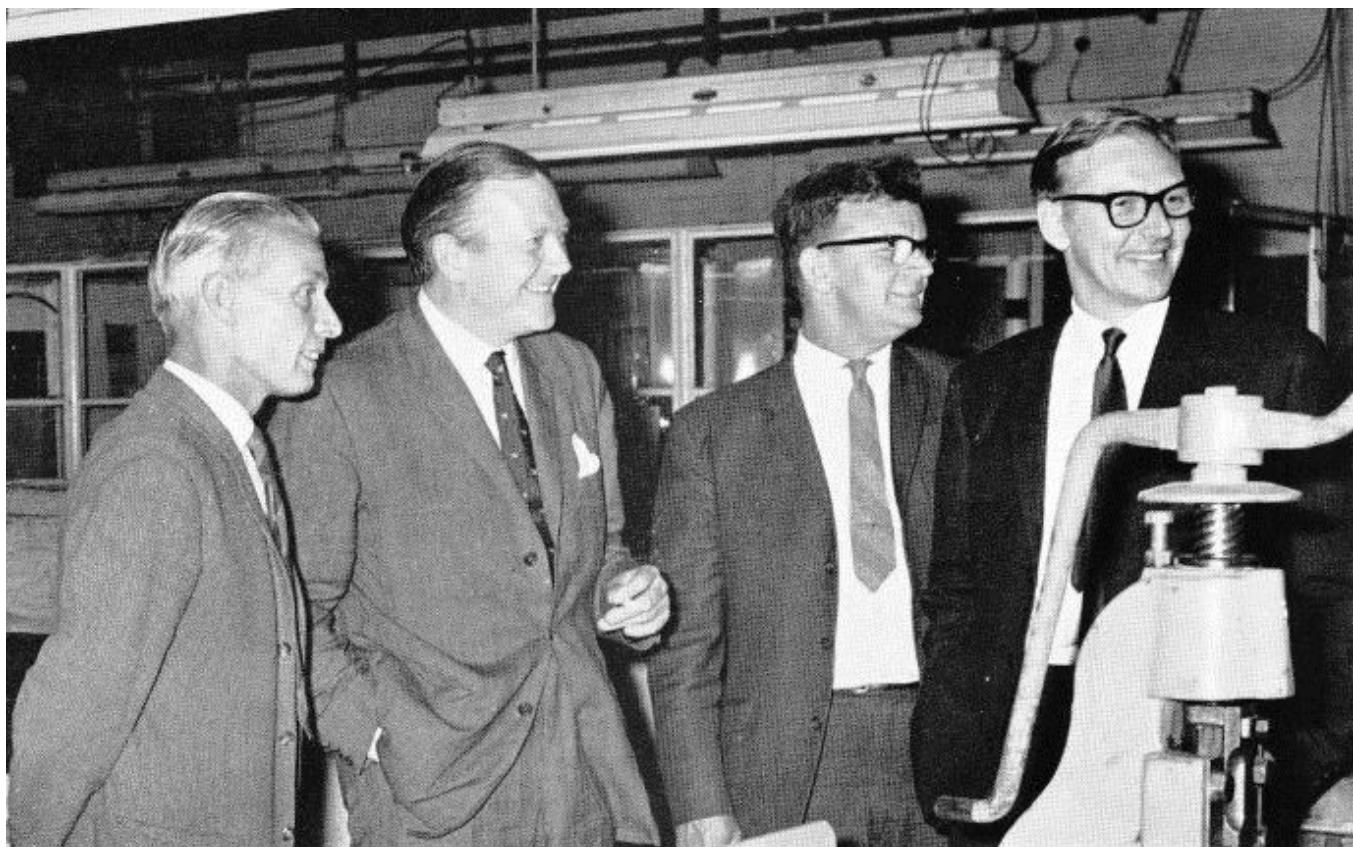


Services must be available 365 days a year. This is a part of the service complex during installation. These lines include electricity, compressed air, two kinds of vacuum, ring mains for at least four gases, and other necessities

Checking over the new low-voltage distribution panels. Witham's Plant Engineer, Geoff Beeston, centre, with W. J. Munday, Chief Electrician, Chelmsford, and A. J. Lund, Chief of Power Engineering. Mr. Lund was responsible for our power requirements at Witham, and the design was done in collaboration with the contractors







## MD sees for himself

The Managing Director has recently been to all the Company's main works to see for himself the contributions being made to Company progress.

Here, above, Mr. Telford is at Wembley where many major units of our equipment are made, including units for Radio Communications' new Marconidata, and Marconi Marine seagoing instruments. With him are R. Charlton, Works Manager, right; J. Dickson, Works Superintendent, second from right; and A. F. Lloyd, Foreman, Components Group

Above left: At Marconi Instruments, St. Albans, with D. G. Smee, Commercial Manager of The Marconi Company, talking to M.I. Design Engineer David Bisset, left

Bottom, left: Leaning on the rail in General Assembly at Eddystone Radio, Birmingham, talking to works people. In this section Mr. Telford saw the production line of the Eddystone E.C.10 transistorized communications receiver which sells well overseas. A large order for these from the Far East has just been completed, and a further batch for Sweden will shortly be put into production. In the group to the right are H. N. Cox, Technical Director, Eddystone Radio; J. Aikman, Controller, Manufacturing Services, The Marconi Company; D. G. Smee, Commercial Director, The Marconi Company; and A. C. Edwards, Commercial Director, Eddystone Radio

