

*The fully-automated thermo-plastic injection moulding machine which manufactures many of the individual parts.*

the factory and the firm make all their own tools. This freedom from dependence on sub-contractors simplifies scheduling and allows a high degree of quality control. The factory is highly mechanised with banks of welding machines, power presses and a fully automated thermoplastic injection moulder. Special thermo-moulding machines produce

the *Ianebeams* which have pioneered the use of highly durable fibreglass housings for luminaires.

After mechanical assembly on the ground floor of the factory, units move upstairs for electrical assembly and testing. Every single unit is lamped up for a switched-on beam quality test, and sophisticated electronic

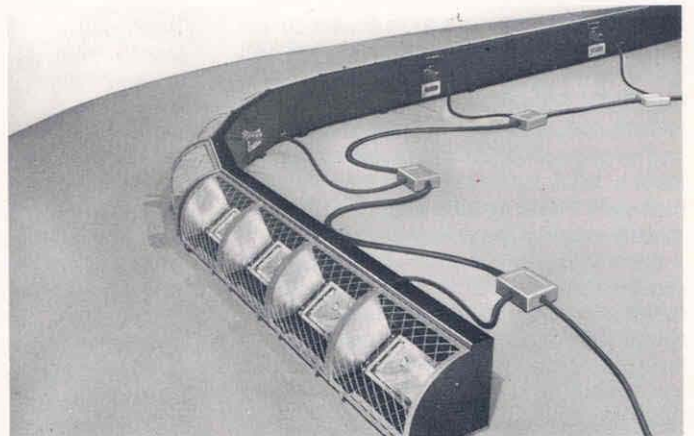
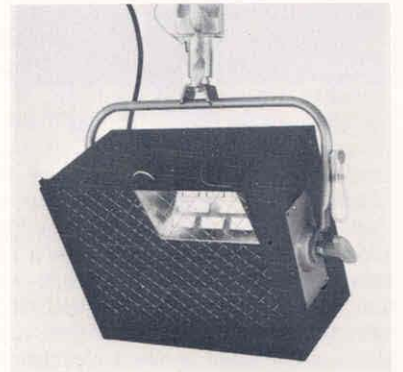
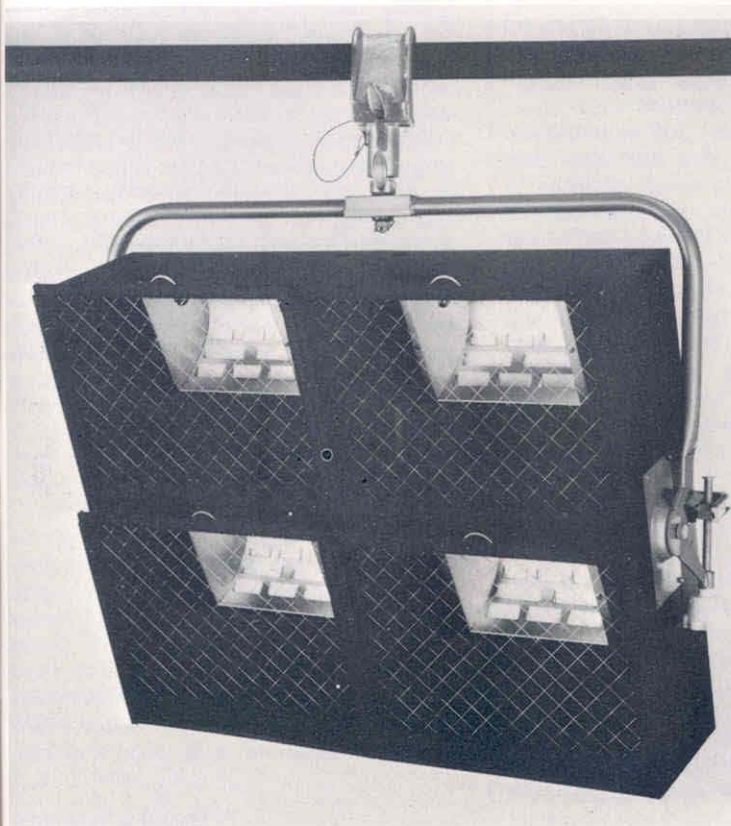
equipment produces an instant photometric diagram of each and every major luminaire before shipment.

This equipment is obviously of value in prototype testing. Other development facilities, in addition to the usual optical benches, etc., include a heat-test room where a series of thermocouples, attached to a prototype, print out temperature graphs.

Quartzcolor Ianiro products are primarily orientated towards the film and studio worlds—both in studio and on location. However, some units are finding their way into theatres. In particular the *Iris* floods which use linear tungsten halogen lamps in conjunction with a specially devised reflector to give even cyclorama lighting at close range. In recent weeks the author has noted these in use at Glyndebourne, Adelaide, Sydney and Inverness. And at London's Royal Academy of Dramatic Art, lighting designer John Edwards is enthusing about his recently acquired batch of Polarix 1 kW fresnels.

Luminaire development is dependent on lamp development. Ianiro were quick to respond to the potential of the tungsten halogen lamps and are now successfully deploying the new HMI sources to provide maximum lightweight light from minimum electricity. Whatever light sources develop in future, one feels confident that the Roman team will clothe them in the best possible optical and mechanical package. The Quartzcolor Ianiro story is a success story—and that success surely stems from a continuing creative dialogue between user and maker.

*Quartzcolour Ianiro Iris cyclorama floods use linear tungsten halogen lamps to give even cyclorama lighting at close range. Iris 4 for compact four-colour lighting. A single Iris unit is also available.*



*Although Iris floods are designed to light the full depth of the cyclorama, alternative colour is often required from the bottom and this can be supplied from the Pallas Groundows which also use linear tungsten halogen lamps.*