INDUSTRIES IN EAST BERKSHIRE - NO. 4: OPTICAL MEASURING TOOLS LTD.

Where absolute accuracy is paramount

THE belief that craftsmanship died with the birth of the mass production era is a common overgeneralisation. In fact, modern engineering practice, by creating a need for tools and guages to be absolutely accurate, demanded the design of measuring equipment accurate to one ten-thousandth of an inch!

particularly successful Maidenhead successfully met their demands. firm, the 250-strong Optical Measurglass scales, the craftsman

Working with infinite patience, centre. grinding and polishing lenses, some At the opposite extreme to the so tiny that they are "cemented" tiny medical lens is the huge procountry of the world.

Behind the move was the then Ministry of Supply, for in those days the flow of these vital prethen mostly obtained from abroad -had ceased abruptly.

Hundreds were then made at in the world. Maidenhead, all to strict specificafine precision, both mechanically technological break-through. up and optically, should be preserved.

on commission from the Rank Organi-deal to the skill and patience of went on to produce 200, costing very low failure rate of scales and the London grammar such cameras never wear out.

seven-faced prism, with the use of general engineering side of its 2,000 boys. which one film could be used business. "We run quite a large As, with own optical industry, U.S. film-lack of sufficient skilled engineering School and now going up to Parochial Church Council.

The answer, as shown by one their specifications and O.M.T.

Special orders today play a big ing Tools, Ltd., at Bridge Road, part alongside normal production is the use of optics. In this field of the measuring instruments. of high magnifications, special Some have a place in America's lenses and accurate engraving of space-research projects and others is form regular deliveries to the atomic research Aldermaston

to the ends of long glass fibres and jector, the size of a small bedroom swallowed by hospital patients so and weighing over four tons, that doctors can observe a magni- developed for meticulous inspection fied picture of internal conditions of metal components for flaws. projected on to a screen, these Based on a complicated system of craftsmen are today sending pro-lenses for magnification of test ducts to every technically-developed specimens up to 100 times, projected on to a 5 ft. x 3½ ft. screen, O.M.T., Ltd. came to Maiden-many of them are in use in aircraft head in 1940, taking over a small factories. Some have been exported local optical company of six men. to Russia, and more recently to

for them, which are made in the experience in widely cision measuring instruments-until Maidenhead works, are the largest teaching contexts. to be successfully produced within their fine precision limits anywhere

The recent award to the firm of tions laid down by the National the Queen's Award to Industry was Physical Laboratory which has been recognition not only of its exportparticularly concerned that such ing success, but also of its latest

duction alone would not have been the production of glass scales to sufficient to keep the firm, then of 0,0001 inch accuracy. The more about 100 people, going. So it conventional methods—of diamond lectifier in mathematics. started to tackle an amazing engraving or photographic etching variety of special jobs, some of either fall short of the accuracy educational ladder was to the mere one-off production, which its demanded or are too expensive for Borough Beaufoys School in ("All modern stuff, you see!")—

One of its first breaks was a considerable time and owes a great in charge of an annexe.

instead of the three needed by an apprenticeship scheme—35 out of speech earlier system. Not being able to our 250 staff total-but we con-family makers came to Maidenhead with personnel," says Mr. Harold J.

staff, but with Bracknell, Slough ques.' and Reading trying to recruit And labour from here you have just got department? to accept the position as it is. It majority entered the firm from will not be cured by any "magi-school and were trained within the cal" measure aimed at re-directing firm itself.

Rowe, joint managing director, who labour toward priority firms. We brought the firm to Maidenhead in try to keep our personnel happy and try to find means of increasing "We need a further 10 per cent, production by improved techni-

> And those craftsmen in the optics Of 35 there, the

'ALL ROUNDER' WILL HEAD FOREST SCHOOL

INTO one of Crowthorne's modern detached houses on Monday moved a man whose arrival is to affect many of the district's rising generation. For, in the September term, Mr. J. F. F. (Jack) Pearcy takes over the headmastership of the Forest School, Winnersh, left vacant since the December retirement of Mr. W G. Jackson.

old Devonian, who graduated Mark (1), who is down for University The 4ft, 6 in, diameter mirros honours in mathematics, brings settled varied home.

> radar officer in North Africa and the number of letters of welcome Italy, the Forest's headmaster-elect returned to his interrupted very pleasant, and it has made university career to take an Education Diploma at Exeter.

After the war, however, that proment of photographic processes for Alban's Boys' Grammar School was then followed by a stint at are to greet a good "all-Hatfield Technical College as rounder." For, besides his special

special craftsmanship made possi-competitive commercial production. Lambeth, where he was head of this Fellow of the Institute of "Although the process takes the mathematics department and Mathematics and its Applica-

Before becoming, in January footballer sation to make film cameras, the operators, the effort becomes 1966, Deputy Head of Holloway honours for Hertfordshire for O.M.T. proved so successful that it economically worthwhile since a Comprehensive School, one of four years, he also plays hockey up to £8,000 apiece, by which time graticules results," says Dr. C. expanded to a comprehensive, up golf. ers they had satisfied the market, for Butler, the firm's Chief Physicist, this newcomer to Berkshire's O.M.T. could have produced educational scene had Since then, developments in even more in recent years had more taught for nearly eight years at music may be expected to claim colour films demanded a special labour been available for the Wandsworth School, with its

As, with his wife Jane, a zealous get what they wanted from their tinue to be handicapped by this lately head girl at Sutton High sidesman, and a member of the

To his new post the 45-year-Oxford to read physics, and son with Ranelagh next year-Mr. Pearcy his Crowthorne into he told our reporter 'I'm looking forward to coming

After four years in the R.A.F., to Berkshire, and one thing that serving as technical signals and has impressed me quite a lot is me feel that this part of Berkshire must be a friendly place.'

In their new Headmaster the Forest Boys' Grammar School subject, on which he has written three books—a series on " tions is a keen games man. A had who schools and cricket and is hoping to take

Nor do games and maths exalso haust his interests. Drama and Forest School, and he is also a churchman who therapist, and their Cheam, where he has been liv-18-year-old Judith, ing, was a churchwarden,