

HIGH SPEED CONTROL SYSTEMS

Experience in design, selection and programming of high-speed control systems including :-

- . Can End making machines including automation of punch presses, conveyors, cutters, sealing compound applicators, drying oven and quality control to produce up to 1600 ends per minutes with timing control accurate to 1 millisecond – sensing acceptance to within 1 microsecond.
- . Automated unscrambling systems for high-speed timber mill involving continuous colour sensing and directional control to storage.

Experience in the design, selection and commissioning of medium-speed Packaging line control systems including the automation of :-

- . A small packaging line for Lever & Kitchen.
- . Cement bagging lines.
- . Filling machines for grease small pack lines, oil drums up to 60 litres and small pack lines for paints and paint cleaners.
- . Bulk filling of polyethylene containers.

Design, programming and commissioning of materials handling systems including :-

- . Automated cranes for an aluminium aircraft component chemical treatment line, involving laser based distance measuring and optical communication networks, on-board PLC's and variable speed drives.