

Dan Maynard

A talented and highly qualified engineer with a passion for solving difficult technical challenges and a track record of successful automation projects in a range of industries.

Technical Skills

Engineering

- creative and analytical problem solving
- leading multi-disciplinary teams to achieve project goals
- strategic decision making
- project management
- communication at all levels from shop floor to boardroom
- technical report and specification writing

Control systems

- machine vision including optics, illumination, and image analysis
- high level programming in VB and various device specific languages
- design and programming complete PLC based control systems using Allen-Bradley, Siemens and Mitsubishi hardware
- motion controls including selection and programming of servo drives
- production of electrical schematics

Mechanical

- strategic design of complete automation systems
- sound understanding of mechanics of systems
- practical expertise in manufacturing processes (milling, turning, welding)

Career Information

2007 – present: Orion Automation Ltd

Position: Director

Formed own business to concentrate on technically challenging application engineering, especially machine vision, motion controls and robotics.

1998 - 2007: GB Innomech Ltd

Position: Technical Director (since 2001)

Responsible at different times for all aspects of special purpose machine design and build including sales, design, development, commissioning and customer support. Role is now to provide technical leadership and expertise to projects, as well as business management at board level. During period of directorship company grew from 8 to 35 people.

Example projects:

Inspection system (automotive): sintered engine components inspected at rate of 10,000 per hour using multiple camera machine vision and laser micrometers. I developed the machine vision optics and software, designed machine controls including writing PLC software, and led team of mechanical designers and technicians to complete the project. Machine now inspects 1 million components per week.

Laser drilling (pharmaceutical): component handling for system to drill fine

exit hole in glass capsule for needle-free injection system. I was responsible for the control system, machine build, and integration with the laser on site. I then worked with the customer to develop the process into a stable, validated manufacturing system.

1996-1998: Cambridge Consultants Ltd

Position: Engineer

Design and development role in Machinery Design group. Work included powder handling research, mechanical design, PLC software, managing technicians to complete builds, and on-site commissioning.

Education

2001-2002 Open University

Distance learning modules from CCI diploma
Project Management
User Interface Design

1994-1995 University of Cambridge

Postgraduate certificate in Design Manufacture and Management (ACDMM):
a one year course including lectures, projects in industry, and over 100
factory visits.

1991-1994 University of Cambridge

BA (Hons) in Engineering (II₁) Broad engineering science degree including
mechanical and electrical subjects.

Interests

Classic cars (restored and now run a Triumph Spitfire)
Offshore yacht racing (including Fastnet 07)
Yacht sailing (qualified skipper)
Active in local church

Personal Details

Primrose Cottage
1, High Street
Alconbury Weston
Huntingdon
Cambs PE28 4JP

Age 35

Married with 2 small children

Excellent health, non smoker

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Clean driving licence