

STEPHEN SHARP

PROFILE

Professional manager with in-depth knowledge of the design, manufacture, operation and maintenance of industrial manufacturing equipment. Experienced in the manufacture, deployment and maintenance of industrial automation control systems. Experienced in project management and new equipment purchase and installation. Experienced in process improvement and product development methods, design of experiments, trial set-up and evaluation. Hands on working background in polymer extrusion of fibers and non-woven fabrics.

PROFESSIONAL EXPERIENCE

NORTH CAROLINA STATE UNIVERSITY, NCRC Raleigh, NC 2006-Present

Project Engineer

Responsibilities include the management of contractors and procurement of industrial equipment. The design and fabrication of industrial processing equipment both mechanical and electrical. The management of product development projects, the development of new processes and products for industry clients, design of experiments, trial/experiment and execution.

- Managed projects, and hands on work, in the design and fabrication of industrial processing systems and controls.
- Purchasing of new equipment and managed contractors in installation.
- Integrated different systems including Computer/PLC programming and controls, variable speed AC/DC drives, pneumatic and hydraulic systems, and controlled temperature zones to create reliable equipment and a lean process.
- Troubleshooting and Updating of Allen Bradley ladder logic and RSView software.
- Six Sigma black belt training and Jump statistical software.
- Support of PHD candidates research projects.
- Instruction of industry seminars and short courses, as well as the occasional academic classroom.
- AutoCAD Drafting.

NORTH CAROLINA STATE UNIVERSITY, NCRC Raleigh, NC 2002-2006

Laboratory Manager

Responsibilities include the management, operation and maintenance of industrial pilot equipment. Development of new processes and products for nonwovens industry clients. Design of experiments and set up of trials. Support of PHD candidates research projects.

- Operation and maintenance of synthetic fiber spinning, carding, converting, and other types of industrial equipment.
- Direct report of four technicians.
- Purchased new equipment and managed the installation of same.
- Managed projects and contractors.
- Integration of systems including Computer/PLC controls, variable speed AC/DC drives, pneumatic and hydraulic systems, and controlled temperature zones to create reliable equipment and a lean process.
- Troubleshooting and Updating of Allen Bradley ladder logic and RSView software.
- Supported the development of new products and processes, which involved the extrusion of polymers into fibers and fabrics.

- AutoCAD Drafting.

BBA NONWOVENS, Simpsonville, SC

1998 – 2002

Development Specialist

Responsibilities include the design, manufacture, operation, and maintenance of prototype pilot equipment, development of new products for hygiene, medical and industrial markets, new processes for synthetic fiber spinning, carding, roll goods converting, design of experiments, trial setups, lab testing, and product analysis. Sigma Green Belt familiar with AutoCAD and Mini Tab software.

- Operated and maintained synthetic fiber spinning, carding, converting, and other types of industrial equipment.
- Purchased new equipment and managed the installation of same.
- Managed projects and contractors.
- Wrote work instructions for equipment operation.
- Team leadership and trained 15 technicians.
- Integration of systems including Computer/PLC controls, variable speed AC/DC drives, pneumatic and hydraulic systems, and controlled temperature zones to create reliable equipment and a lean process.
- Supported the development of new products and processes, which involved the extrusion of polymers into fibers and fabrics.

HILLS INC., West Melbourne, FL

1992 – 1998

Process and Controls Technician

Responsible for the operation and maintenance of prototype industrial fiber spinning equipment. Manufactured, assembled and started industrial fiber spinning equipment

- Developed new processes for synthetic fiber spinning.
- Fabricated, welded, and assembled industrial fiber spinning equipment from CAD drawings.
- Applied automotive coatings.
- Machining with lathe and mill.
- International shipping and receiving of parts and finished machines.

EDUCATION

Bachelors Degree

Business Management and Organizational Development

Mount Olive College, Mount Olive, NC

Associates Degree

Brevard Community College, Cocoa, FL

Also have course work in higher mathematics including calculus and chemistry.