

RUDY W. HERREN

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SUMMARY OF QUALIFICATIONS

Results and quality oriented engineer with extensive experience in plant manufacturing. Strong background in capital equipment installations, project management, design modifications to improve and update existing machinery, equipment maintenance and trouble shooting, facilities maintenance, vendor outsourcing and M&E and Utilities budgets. Expertise in ISO 9001 in general and instrument calibration in particular and OSHA and environmental compliance. Able to work and thrive in an environment that is challenging, requires independent thinking and analysis, offers opportunities to utilize engineering skills and opportunities to favorably impact the company's profitability.

PROFESSIONAL BACKGROUND

ASTENJOHNSON, Jonesboro, GA

1989 - Present

Plant / Facilities Engineer

- Served as engineer in charge of orderly Forming Fabrics Plant closing and relocation of equipment to other Sites in early 2002.
- Modernized forming fabrics weaving with installation of 5 new high-speed Jaeger 12.5-meter looms that replaced 20 old looms.
- Replaced outdated infrared oven with new electrically heated hot air heat setting oven w/computerized control system.
- Led numerous modernization upgrades to existing plant equipment such as new DC drives, control system upgrades, variable frequency drives, overhead hoist system replacements, high efficiency RTU HVAC replacements, major re-roofing project, equipment installation for increasing efficiency and speed of weaving, heat setting, seaming and finishing machines.
- Upgraded plant compressed air system with new high efficiency rotary screw compressors, air dryers, additional air storage capacity, oil waste management and distribution piping.
- Maintained plant equipment, buildings, utilities, and provided oversight supervision of maintenance personnel.
- Hosted monthly engineering telephone conference meeting among 4 sites for the sharing of common problems, solutions, innovations, etc.
- Mentored 4 co-op/summer Georgia Tech engineering students working at site.

SYNTHETIC INDUSTRIES, Chickamauga, GA

1983 - 1988

Plant Engineer

- Engineered installation of 6 film extrusion lines with 3.5-6 inch extruders for carpet backing including design of special line machines.
- Improved polymer quality of all extrusions lines in plant with installation of automatic extruder polymer filters.
- Oversaw erection of 3,500-lb./hr multi-filament staple extrusion line with all auxiliaries and utilities for move into secondary carpet backing market.
- Implemented the use of 6 resin storage silos and designed conveying systems to meet increased resin use demand.
- Installed 250-ton plant wide cooling water system for extrusion, heat setting and air compressors.
- Rebuilt and installed 2 used Ingersol Rand Air Cube piston compressors with large isolated concrete foundations.

FIBRON CORPORATION, Chattanooga, TN**1978–1982***Plant Engineer*

- Converted 5 slit film PP tape extrusion lines from mechanical to modern solid state DC drives for line roll stands.
- Standardized 4 slit film PP tape extruders to state of the art electronic DC drives.
- Supervised a 50 % expansion of product storage warehouse and shipping space.
- Upgraded 6 extrusion lines with continuous polymer screen changers.
- Installed chip-blending silo for all incoming resins.

AMERICAN ENKA CORPORATION, Enka, NC**1968 - 1978***Area Engineer/ Manager of Maintenance Management Systems*

- Promoted to Manager of Maintenance Management Systems for the planning and scheduling of all Fine and Heavy Denier Nylon Plant maintenance groups and Central Shops. Published equipment code manual and action codes for job priority assignment for each maintenance and project job based on US Air Force system (1976-78).
- Assigned Area Engineer of Caprolactam Recovery Plant and supervised a 100 % Expansion of the plant for nylon wash water and solids recovery (1974-76).
- Worked in central design group and 3 areas of fine and heavy denier multi-filament Nylon 6/6 vertically integrated production plants on numerous special design and trouble shooting projects including OSHA and environmental projects (1968-73).

EDUCATION

North Carolina State University, Raleigh, NC, 1964 - 1968

- Bachelor of Science in Mechanical Engineering 1968 with Engineer-In-Training Certification #A-1832 (6-21-68), Dean's list last 2 years
- Worked summers and Christmas holidays of sophomore and junior years at American Enka Company, Enka, NC as a junior mechanical designer.
- Short Courses in Welding (1969), Machine Shop Practice (1970), Radio and TV Electronics (1971-72), Nylon 6/6 Process Course (1972), Relief Valve Testing (1973), G. E. Management Practices (1978), Journeyman Electrician Certification (1979), Emil Jaeger Gmbh Weaving Loom Course (1989), Compressed Air Technology (1995), Plant Compressed Air (1996), Kaeser Compressor Systems and Applications (1997), Lotus Notes Course (1997), Microsoft Word and Excel (1998)

INTERESTS

Family, church activities, automobiles, woodworking, home remodeling, gardening, computers, Internet, reading, traveling, investing.

Member of Association of Facilities Engineers (1999-2002).

Member, Machine Shop Advisory Committee for Griffin Tech, Griffin, GA. (1999-2002)