ELECTRICAL MAINTENANCE

AC/DC Theory
- AC/DC Theory: Current
- AC/DC Theory: Voltage
- AC/DC Theory: Resistance
- AC/DC Theory: Ohm's Law
- AC/DC Theory: Magnetism
- AC/DC Theory: Electrical Measurements
- AC/DC Theory: DC Circuits
- AC/DC Theory: Inductance and Capacitance
- AC/DC Theory: Alternating Current
- AC/DC Theory: AC Measurements
- AC/DC Theory: Capacitive Circuits
- AC/DC Theory: Inductive Circuits
- AC/DC Theory: Transformers
- AC/DC Theory: Tuned Circuits

Applied DC Fundamentals
- Applied DC Fundamentals: Voltage, Resistance, Current, Ohm's Law & DC Circuits
- Applied DC Fundamentals: Ohm's Law & DC Circuits
- Applied DC Fundamentals: Electronic Components & Magnetism
- Applied DC Fundamentals: Electronic Schematics & Circuit Analysis

Basic Electronic Components & Their Measurement
- Basic Electronic Components & Their Measurement: Types & Diagrams
- Basic Electronic Components & Their Measurement: Controls & Application
- Basic Electronic Components & Their Measurement: Operation & Troubleshooting
- Electronic Circuits: Logic Fundamentals, Types & Application
- Electronic Circuits: Characteristics & Operations
- Electronic Circuits: Basic Principles

Motor Drives
- Motor Drives: Identification
- Motor Drives: Open & Closed Loop Systems
- Motor Drives: Variable Speed AC Drives
- Motor Drives: Servo & Stepper Motors
- Motor Drives: AC Motor Operation
- Motor Drives: AC Drive Selection & Setup

Mechanical Electrical Control Systems
- Mechanical Electrical Control Systems: Introduction to Control Schematics
- Mechanical Electrical Control Systems: Creating Schematics
- Mechanical Electrical Control System: Electrical Lockout
- Mechanical Electrical Control System: Design & Troubleshooting
- Mechanical Electrical Control System: Energy Management
- Mechanical Electrical Control System: Electronic Controls
- Mechanical Electrical Control System: Responsive Systems

Motor Controls
- Motor Controls: Basic Motor Controls & Relays
- Motor Controls: Overload Relays
- Motor Controls: Time Delay Relays
- Motor Controls: Schematic Symbols
- Motor Controls: Schematics & Wiring Diagrams
- Motor Controls: Starting Methods for Squirrel Cage Motors
- Motor Controls: Wye-Delta, Synchronous, & Wound Rotor Controls
- Motor Controls: Installing & Troubleshooting Control Systems

Industrial Electricity
- Industrial Electricity: Basic Principles
- Industrial Electricity: Alternating Current
- Industrial Electricity: Conductors
- Industrial Electricity: Wiring
- Industrial Electricity: Generators & Motors
- Industrial Electricity: AC Motor Control & Current Measurement
- Industrial Electricity: Installation, Distribution & Lighting

OPERATOR TRAINING
- Operator Inspection: Pneumatic System Inspection
- Operator Inspection: Vacuum System Inspection
- Operator Inspection: Clutches & Brake Inspection
- Operator Inspection: Lubrication System Inspection
- Operator Inspection: Motor Drive System Inspection
- Operator Inspection: Air Compressor System Inspection
- Operator Inspection: Fastener & Equipment Structures Inspection
- Operator Inspection: Electrical Equipment Control System Inspection
- Operator Inspection: Belt Drive, Chain Drive & Gear Box Inspection
- Take the Step Up to Supervisor
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MACHINE TECHNOLOGY

Basic Machine Lathe
- Basic Engine Lathe: Identification of Parts & Care
- Basic Engine Lathe: Engine Lathe Accessories
- Basic Engine Lathe: Cutting Speeds & Feeds For Lathe-Ferrous, Non-Ferrous Plastics
- Basic Engine Lathe: Grinding a Right-Hand Roughing Tool
- Basic Engine Lathe: Grinding a Round-Nose Finishing Tool
- Basic Engine Lathe: Mounting & Truing Work in the 4-Jaw, Independent Chuck
- Basic Engine Lathe: Three Methods of Facing Work to Length
- Basic Engine Lathe: Straight Turning Work of Two Diameters
- Basic Engine Lathe: Straight Turning Between Centers
- Basic Engine Lathe: Drilling, Boring, & Reaming Work
- Basic Engine Lathe: Turning A Radius
- Basic Engine Lathe: Taper Turning On The Lathe
- Basic Engine Lathe: Filing & Polishing On The Engine Lathe
- Basic Engine Lathe: Knurling On The Lathe

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- CNC: Introduction to Computer Numerical Control
- CNC: Preparing For Programming
- CNC: Absolute & Incremental Positioning
- CNC: One & Two-Axis Linear Milling
- CNC: Three-Axis Linear & Circular Milling

Basic Machine Technology
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- Basic Machine Technology: Hand Tools & their Uses
- Basic Machine Technology: The Use of Measuring Tools
- Basic Machine Technology: The Vertical Milling Machine
- Basic Machine Technology: Vernier Caliper & Vernier Protractor
- Basic Machine Technology: The Pedestal Grinder
- Basic Machine Technology: Sharpening Drill Bits By Hand & Machine
- Basic Machine Technology: Drill Presses Sensitive & Radial Arm
- Basic Machine Technology: Drill Press Operations
- Basic Machine Technology: Vertical Band Saws Parts, Accessories & Operation

DRESSER-RAND® EQUIPMENT-SPECIFIC: RECIPROCATING PRODUCTS

- Dresser-Rand: Engine – Major Components
- Dresser-Rand: Engine – Four-Cycle Theory
- Dresser-Rand: Engine – Pre-Ignition & Detonation
- Dresser-Rand: Engine – Balancing Firing Pressures
- Dresser-Rand: Recip – Compressor Major Components
- Dresser-Rand: Recip – Compressor Theory
- Dresser-Rand: Recip – Compressor Piston End-Clearance
- Dresser-Rand: Recip – Compressor Rod Run-out
- Dresser-Rand: Recip – Compressor Frame Lubrication System
- Dresser-Rand: Recip/Engine – Crankshaft Web Deflection
- Dresser-Rand: Recip – Compressor Rod Packing Fundamentals
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- Dresser-Rand: Recip – Compressor Wedge Ring Packing
- Dresser-Rand: Recip – Compressor Divider Block Cylinder & Packing Lubrication
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- Dresser-Rand: Recip – Compressor Set Screw Type Valve Cover
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- Dresser-Rand: Steam – Turbine Major Components
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- Machinery Oil Analysis: Fundamentals & Methods
- Machinery Oil Analysis: Strategies Options & Testing
- Machinery Oil Analysis: Establishing an Effective Program

Thermography
- Thermography: Basic Operation
- Thermography: Operating Procedures & Implementation
- Thermography: Practical Application

Ultrasonics
- Ultrasonics: Basic Principles
- Ultrasonics: Leak Detection
- Ultrasonics: Mechanical & Electrical Inspection

Advanced Vibration: AC Induction Motors
- Advanced Vibration: AC Induction Motors Part I
- Advanced Vibration: AC Induction Motors Part II

Vibration Analysis
- Vibration Analysis: Predictive Maint & Mach Vibration
- Vibration Analysis: Machine Vibration, Basic Theory
- Vibration Analysis: Preparing for Data Collection
- Vibration Analysis: The Data Processing System
- Vibration Analysis: Data Collection
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SUSTAINABILITY

DuPont Energy Efficiency: Energy Smart
- DuPont Energy Efficiency: Steam Distribution
- DuPont Energy Efficiency: Steam Turbines & Condensers
- DuPont Energy Efficiency: Electricity Generation & Distribution
- DuPont Energy Efficiency: Pumping Systems
- DuPont Energy Efficiency: Cooling Towers
- DuPont Energy Efficiency: Water Treatment
- DuPont Energy Efficiency: Compressed Air
- DuPont Energy Efficiency: Refrigeration
- DuPont Energy Efficiency: HVAC & Indoor Air Quality

- DuPont Energy Efficiency: Energy System Instrumentation & Controls
- DuPont Energy Efficiency: Theory of Steam Generation
- DuPont Energy Efficiency: Fuels & the Combustion Process
- DuPont Energy Efficiency: Boilers & Auxiliaries
- DuPont Energy Efficiency: Emission Control & Ash Handling

DuPont Energy Efficiency: Theory of Steam Generation
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Maintenance Principles
- Maintenance Troubleshooting: Troubleshooting Procedures
- Maintenance Troubleshooting: Power Distribution & Lighting Systems
- Maintenance Troubleshooting: Motors & Motor Controls
- Maintenance Troubleshooting: Pumps & Compressors
- Maintenance Troubleshooting: Hydraulic Circuits & HVAC
- Maintenance and Reliability Principles: People
- Maintenance and Reliability Principles: Processes
- Maintenance and Reliability Principles: Technologies

ENVIRONMENTAL

RCRA Small Quantity Generators: A Commitment To The Future
- RCRA Large Quantity Generators: A Commitment To The Future

PROCESS OPERATIONS

Operators & Their Responsibilities: Abnormal Operations
BASIC SKILLS

Mechanical Print Reading
- Mechanical Print Reading: Orthographic Projection
- Mechanical Print Reading: Drawing Format & Dimensioning
- Mechanical Print Reading: Drawing Types & Symbols
- Mechanical Print Reading: Thread Specifications

Workplace Mathematics
- Workplace Mathematics: Whole Numbers
- Workplace Mathematics: Fractions
- Workplace Mathematics: Decimals
- Workplace Mathematics: Introduction to Algebra

Workplace Reading
- Workplace Reading: Basic Skills
- Workplace Reading: Literal Comprehension: Main Idea
- Workplace Reading: Literal Comprehension: Relationships
- Workplace Reading: Inference
- Workplace Reading: Study Skills

Gaging & Measurement
- Gaging & Measurement: Types & Fundamentals
- Gaging & Measurement: Procedures & Operation

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