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MANUFACTURING CAPABILITY

COMPUTER-INTEGRATED MANUFACTURE (CIM) TRACKING
MANUFACTURE; RFID; EDI; Just-In-Time; CONTROL OF OPERATIONS;
PROCESS CONTROL; CONTROL CHARTING; INTERNATIONAL
ORGANIZATION FOR STANDARDIZATION (ISO) ACCREDITATION;
PROGRAM MONITORING - COMMUNICATION; COMMUNICATING
QUALITY IN BUSINESS; COMMUNICATIONS; SURVEYS; QUALITY
FUNCTION DEPLOYMENT (QFD); QFD IN OPERATION; CUSTOMER
FEEDBACK; CRITICAL TO QUALITY (CTQ); BUILDING ON TQPC, PRODUCT
MANUFACTURE; CHECKLISTS; QUALITY CIRCLES; FISHBONE ANALYSIS;
FAILURE MODE AND EFFECTS ANALYSIS; TYPES OF FMEAs; FMEA TIMING;
IMPLEMENTING AN FMEA; FMEA DEVELOPMENT
4: Customer Satisfaction MANUFACTURING AND SUPPLIER INPUT;
VENDOR SELECTION; VENDOR SURVEY; CUSTOMER AND SUPPLIER
AGREEMENTS; VENDOR CLINICS; PRODUCT REQUIREMENTS; PRODUCT
PREPRODUCTION REVIEW; Contract Checklist; 5: Organization
Responsibilities; QUALITY OPERATIONS; QUALITY UNIFORMITY;
COMPLIANCE AUDITS; SIX SIGMA INTRODUCTION; PROCEDURE;
QUALITY PROBLEMS; TQPC MANAGEMENT OPERATIONS; PREVENTIVE
ACTION; 6: Establishing the Limits for Quality Control; PREPRODUCTION
PRODUCT ANALYSIS; TAGUCHI METHODS; PROTOTYPING; MOLD LIMITS;
MATERIAL SELECTION; CALCULATION OF PLASTIC PART COST
CASE STUDY OF PRODUCT COST ANALYSIS ESTIMATING PART CYCLE
TIME; MOLD PART CAVITY ESTIMATION; MOLD SIZE CONSIDERATIONS;
INJECTION MOLDING MACHINE SELECTION; MELT GENERATION;
MOLDING MACHINE SCREW-TYPE CONSIDERATIONS; MACHINE HOURLY
RATE; MACHINE SETUP CHARGES; CALCULATING PRODUCT
MANUFACTURING COST; MATERIAL SUPPLIER LIMITS; ESTABLISHING
MANUFACTURING LIMITS; AUXILIARY EQUIPMENT; IN-PROCESS
INSPECTION; ESTABLISHING TOTAL QUALITY PROCESS CONTROL;
ACCEPTABLE QUALITY LIMITS; 7: Material Selection and Handling;
THERMOSETS; THERMOPLASTICS; Amorphous Plastics; Crystalline
Plastics
CLASSIFYING THE POLYMERS

Sommario/riassunto

The all-encompassing guide to total quality process control for injection molding In the same simple, easy-to-understand language that marked the first edition, Total Quality Process Control for Injection Molding, Second Edition lays out a successful plan for producing superior plastic parts using high-quality controls. This updated edition is the first of its kind to zero in on every phase of the injection molding process, the most commonly used plastics manufacturing method, with an all-inclusive strategy for excellence. Beginning with sales and marketing, then moving forward
