

Production – Mixing and Casting

About CMT Materials

CMT Materials, Inc. is the world leader in the design and development of specialized composite materials and syntactic foams. HYTAC® branded products, engineered specifically for use in the thermoforming industry, allow manufacturers to optimize processes and minimize plastic use. The Engineered Syntactic Systems (ESS) family of products is designed for specific application requirements in subsea and oceanographic environments. ESS products are used by the Navy, Oceanographic Exploration and Offshore Oil industries. Together, the products and markets combine to create a challenging and rapidly growing workplace for enthusiastic and motivated personnel.

CMT Materials is currently seeking a Production Worker (Casting and Mixing) who will work under the general direction of the Material & Vendor Development Manager. The primary purpose of this role involves the mixing and casting of materials to create syntactic foam materials.

Job Responsibilities

Mixing & Casting

- Understands safety and procedural issues for mixing process
- Reads and understands the production process instruction sheet and identifies all relevant equipment
- Reads and understands batch card and identifies all chemical components
- Ensures material availability for upcoming production and equipment availability for upcoming mixes (mixers and ovens)
- Identifies and inspects molds for casting (preparation, release and maintenance)
- Measures and mixes HYTAC and ESS batch needs
 - Coordinates/arranges material for pre-heating of chemicals
 - Weighs out ingredients, pours premixed materials into bowl and transfers balloons into bowl
 - Records batch/lot card and process information on the batch card
 - Performs mixing and vacuum pressure process following established procedures
 - Transfers finished mixture into transfer tanks and/or molds
 - Transfer mix from transfer tanks into molds
 - Optimizes positioning of filled molds in ovens and selects/executes proper cure cycle
- Cleans and maintains mix and weighing equipment
- Monitors cure of parts through cycle, recording batch details
- Prepares mixer and mold PM schedules
- Participates in inventory assessment of raw materials and data collection
- Evaluates supplies status and notifies or orders supplies
- Participates in Safety Training
- Adhere to Business Management System requirements

To apply, please send resume to Resumes@cmtmaterials.com or apply in person at CMT Materials, Inc., 107 Frank Mossberg Drive, Attleboro, MA 02703

Mold Prep, Fill and Demold

- Understands safety and procedural issues for mold prep and demolding process
- Identifies all relevant equipment
- Reads and understands the batch cards along with mix and oven schedules to identify which molds will require demolding and preparation on a daily basis
- Identifies and schedules the trimming requirements of block, sheet and rod products
- Identifies proper mold releases and cleaners

HYTAC:

- Coordinates demolding of product and transfer to inspection
- Identifies and prepares rod, sheet and block molds required for daily use
- Prepares molds to eliminate sticking and cracking
- Schedules and performs mold rework when necessary
- Assist in injection of mix into molds when required

Block:

- Coordinates and/or assists in demolding of blocks and trimming after gelation including transfer of demolded blocks to secondary cure
- Identifies and prepares block molds required for daily use insuring quality of finished product by properly preparing molds to eliminate sticking and cracking
- Assists in injection transfer of mix into molds when required

MacroCore/MacroFoam:

- Coordinates and/or assists in demolding of blocks and trimming after gelation including transfer of demolded blocks to secondary cure
- Identifies and prepares block molds required for daily use insuring quality of finished product by properly preparing molds to eliminate sticking and cracking
- Properly loads molds with macrospheres, seals molds and check vacuum integrity
- Preps injection hoses and fixtures for pour
- Assists in injection/transfer of mix into molds when required

General

- Prepares preventative maintenance schedule and performs mold rework as necessary
- Evaluates supplies status and notifies or orders supplies
- Participates in Safety Training
- Adhere to Business Management System requirements

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Qualifications and Skills:

- High school diploma or GED and 1-3 years of experience in manufacturing
- Ability to operate and enter data into standard Windows based computers
- Good verbal and written communication skills; good interpersonal skills
- Strong attention to detail; excellent organizational skills
- Analytical thinking/problem solving; basic math skills
- Ability to multi-task and be dependable, flexible and adaptable to meet changing or multiple deadlines
- Ability to take initiative to identify a problem, obstacle or opportunity and take action within the scope of the position, as authorized
- Process understanding on issues relating to mixing ingredients to make products
- Ability to operate equipment (mixers, transfer tanks, ovens, saw, planer, lathe, milling, tumbler, dust collector, hand tools, fork lift)
- Ability to read and understand QC inspection documentation
- Visual acuity to identify surface quality defects 1/32" and larger
- Must be able to frequently lift and move up to 50 pounds with occasional need to lift up to 100 pounds
- Regular exposure to noise, dust, high heat, chemicals, fumes and/or airborne particles

Disclaimers:

Applicants, as well as position incumbents, who become disabled as defined under the Americans with Disabilities Act must be able to perform the essential job functions (as listed) either unaided or with the assistance of a reasonable accommodation to be determined by management on a case by case basis.

CMT Materials is committed to the principle of equal employment opportunity. Applicants for employment and employees are reviewed on their individual qualifications for a position. Under no circumstances will CMT Materials discriminate against qualified persons on the basis of race, color, religious creed, retaliation, national origin, ancestry, sexual orientation, gender, gender identity/expression, disability, mental illness, genetics, choice of health insurance, marital status, age, veteran status, or any other basis prohibited under applicable law.