

	JOB DESCRIPTION CODE:	
	REVISION DATE:	12/18/17

JOB TITLE:	Tool & Die Designer	SHIFT:	1st
REPORTS TO:	Toolroom Manager	FLSA STATUS:	Non-Exempt

POSITION PURPOSE:
Support Toolroom and Production by designing extrusion dies, tooling and or fixturing to be used within the plant.

ESSENTIAL DUTIES & RESPONSIBILITIES:
<ul style="list-style-type: none"> • Design 2D / 3D extrusion tooling and CAD models to be used by the Toolroom. • Use of CAD software, such as AutoCad and Solidworks. • Read and create blueprints to be used in the Toolroom and production per ASME Y14.5-2009. • Maintain CAD drawing revisions / New Product Development files within the plant. • Works with Die Technicians to revise CAD geometry / models based upon Tooling Modification Requests. • Use of Computational Fluid Dynamics simulation software (CFD) to assist in die design. • Initiate Tooling Introduction paperwork to be used by the Toolroom. • Update Bill of Manufacturing (BOM's), using IQMS as needed. • Assist in analysis of extrusion tool related issues and recommend solutions. • Work from existing drawings / sketches to create models. • Utilize measuring tools, such as calipers, micrometers, comparators, etc. • Be openminded and effectively contribute in continuous improvement initiatives. • Thorough knowledge of drafting techniques and engineering terminology. • Must be able to work independently or in a group setting. • Ability to occasionally travel to other AmesburyTruth locations for training purposes. • Maintain proper housekeeping and safety standards, making proper use of PPE, as required. • Maintain adequate attendance levels, be prompt, and a “can do” attitude. • Actively participate in Toolroom department team meetings. • Other duties as assigned.

KNOWLEDGE / SKILLS / ABILITIES:
<ul style="list-style-type: none"> • Strong knowledge of CAD software. • Must have above average math skills. • Prior knowledge of CFD simulation software and its use. • Must have strong time management, organizational, and record keeping skills. • Must be able to use a computer. • Travel – as needed basis.

QUALIFICATIONS / PRIOR EXPERIENCE:

- GED or High school education required
- Technical and or Associate Degree in Drafting & Design preferred.
- Microsoft Office skills required.
- IQMS knowledge is helpful.
- Requires a strong mechanical background.
- Extrusion knowledge, a plus.

WORK ENVIRONMENT/OTHER REQUIREMENTS:

- The performance of this position normally requires exposure to a typical manufacturing areas were under certain conditions that require the use of personal protective equipment. Primary environment: Office setting, certain times may be affected by outside temperatures and machining environment. Industrial lighting provided.
- Sitting for long periods, along with standing, stooping, squatting, and lifting can be expected. Also, occasional transfer of tooling, parts, containers and raw materials. Specific vision abilities required may include close vision, distance vision, peripheral and depth perception and ability to focus.
- Ability to lift up to 10-25 lbs. on a frequent basis.

The above statement reflects the general details considered necessary to describe the principal functions of the job identified, and shall not be construed as a detailed description of all the work requirements that may be inherent in the job.

APPROVAL:

TYPE OR PRINT NAME	TITLE	SIGNATURE

Employee Signature

Date