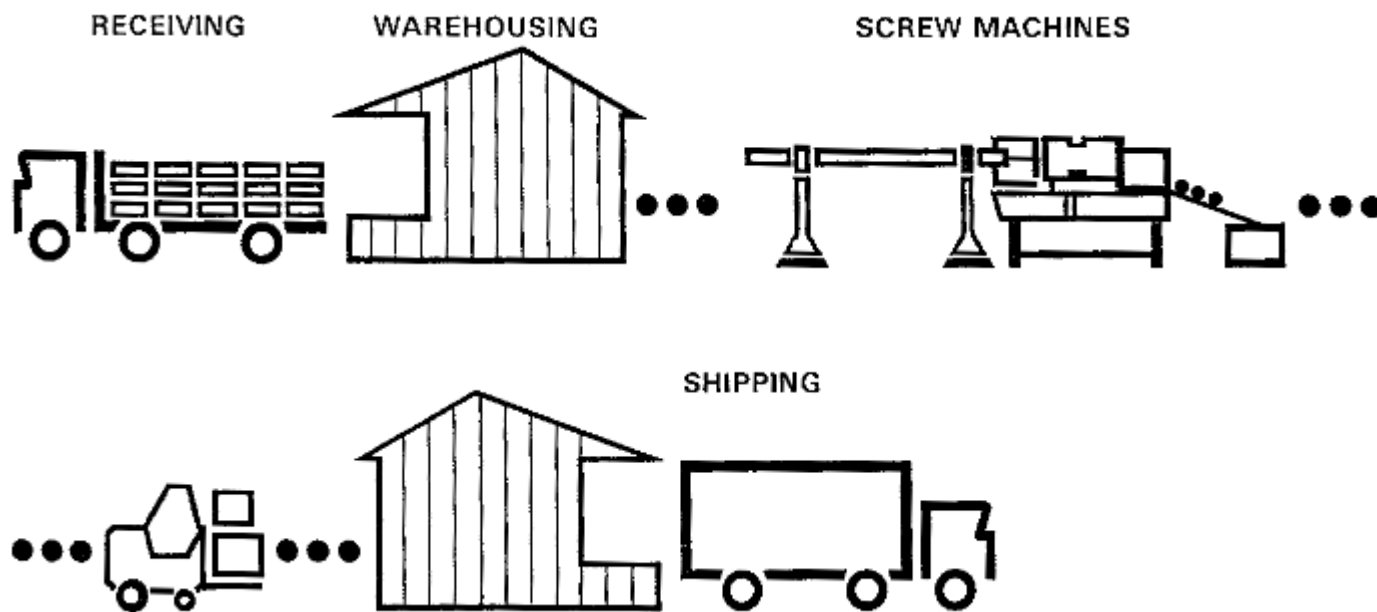
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<u>Industry:</u> Fabricated Metal Products	<u>Sub-Group:</u> Screw Machine Products
<u>SIC:</u> 3451	<u>NAICS:</u> 332721


PROCESS DESCRIPTION: Stock metal is received from mills or distributors in bar form and stored in racks. Stock is automatically fed into machines and all operations are automatic. Finished products are automatically dispensed into bulk containers for further finishing or heat treating as specifications require. Scrap material can be collected by a central pick up system consisting of conveyors, constant extractors, etc., for material recovery. Important aspects of screw machine operation are set up and programming. A specialist performs these tasks by manually operating the machines and preparing programs or tapes as required.

PROCESS FLOW:



Hazards Analysis

Major Hazards			Other Hazards		
Location	Item	Hazard	Location	Item	Hazard
Dock area and material warehouse	Heavy material	Head injuries, hernias, foot and back injuries	Throughout	Materials on floor or protruding in aisles	Trips and falls
	Forklifts	Accidents,			

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		carbon monoxide injuries			
Machine area	Coolant	Dermatitis and inhalation of oil mist			
	Machinery, points of operation, power transmission apparatus and rotating parts	Amputations and crushed limbs			
	Noise	Hearing loss			
	Metal chips	Eye injuries, face burns			
Key OSHNC Standards					
Reference	29 CFR 1910 — General Industry Standards				
Subpart D	Walking and working surfaces				
Subpart I	Personal protective equipment				
Subpart O	Machinery and machine guarding				
1910.94	Ventilation				
1910.95	Occupational noise exposure				
1910.178	Powered industrial trucks				
1910.179	Overhead and gantry cranes				
1910.1000	Air contaminants				
1910.1200	Hazard Communication				
Inspection Analysis					
<p>Material is usually received from mills ready for machinery operations. Inspection must cover receiving docks and materials handling apparatus used in material and warehousing areas. Proper protective equipment such as hard hats and safety toed shoes are required. Inspect hoist records and capacity notices. Aisles and passageways must be kept clean and open. The machinery area must be inspected for point of operation guards, overexposure to high noise levels and proper personal protective equipment. Adherence to appropriate electrical code requirements must be observed throughout operation.</p>					
Other Pertinent Comments:					