

BILT Graphics Paper Products Limited

Ballarpur Unit

Safety Innovative Idea

BILT Graphics Paper Products Limited Unit-Ballarpur, India is one of largest manufacturer of uncoated wood free/Industrial grades of Paper & market Pulp. It has ISO 9001, 14001, 45001 & PEFC COC certification to ensure effective Quality, environment, safety & authenticated sourcing of Raw Material. Unit Ballarpur has versatile range of products such as Copier Paper, product for Note Book printing, Map Litho/ publication, Azure Laid, Bond



paper, Product for Paper carry bag, Paper Straw and Industrial packaging & industrial MG Poster. Unit Ballarpur has 7 Paper machines total installed capacity of 299550 MT/annum. Also, it is integrated Pulp & Paper industry in the country to implement and certified ISO 50001 Energy Management system. Unit Ballarpur is focused on the Triple Bottom Line concept which encompasses CSR activities in and around Ballarpur area along with Environment & Economy. The Mill has



received several National & State level Awards for Energy Conservation, Environment Management and best safety practice. The Best tool in the Unit Ballarpur for Safety is ISO 45001:2018. We are well matured in the ISO45001, it helps us in improving the safety standards, awareness, involvement of the workmen, improved safety practices, behavior based safety and overall safety performance of the mill. Some innovative projects installed in the plant are:

1. Installation of Camera in Fork Lift at PM -7 MSD warehouse godown
2. Installation of Additional Emergency Pull cord and Photo electric sensor at critical area of Rewinder and Pasaban for operator safety.

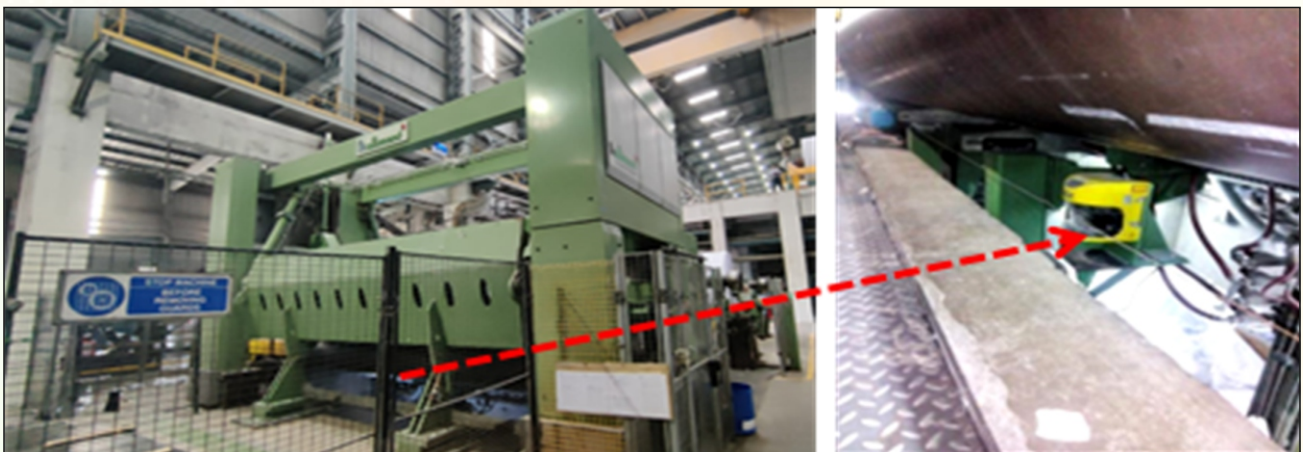
1. Installation of Camera in Fork Lift at PM-7MSD Warehouse

A Front camera (also called a Front-view camera) is a special type of video camera that is produced specifically for the purpose of being attached to the front of a forklift to aid in front side and to alleviate the front blind spot created during transport of paper bundle in the warehouse godown. It is designed to avoid a front side collision with human movement and reduced risk of accidents and collisions. The Forklifts supplied to Unit: Ballarpur was without cameras. We installed the cameras in the forklift with the help of Electrical team and provided the image of the camera in the operating desk of the drive to clearly see an image of the area directly front side the fork lift vehicle to help fork lift movement with paper bundles significantly reduce the likelihood that our forklift drivers suffer a collision, giving them greater visibility and awareness of their surroundings thereby allowing them to act and react more quickly.



2. Installation of Additional Emergency Pull cord and Photo electric sensor at critical area of Rewinder and Pasaban for operator safety

Machine supplied by OEM with Door closer interlock only. While operating the machine, we found that this is not enough for the safe operation of machine and safe for operator if the door interlock





failed. So, operation team along with engineering crew inspected the machine and decided to provide the additional safety by means of emergency pull cord and photo electric sensor. We installed the Pull cord at the footstep of operator near to cradle. Since the Pull Cord Switch is so designed that it installed at the nearby cradle and can be actuated by operator from any position. Pull Cord Switch is an emergency stop for the machine. When the pull cord handle is tugged it will instantly send a radio signal to the alarm system base unit located nearby, this will activate an alert. The alarm base unit has a built-in sensitive microphone and loudspeaker to enable two-way communication.