Abstract

The growing demand of organizations for technological alternatives to reduce environmental damage and meet the new legislative requirements has brought greater focus to the activities of product recovery. Remanufacturing is a means of recovering a product. It is defined as the process of restoring a product to its original specifications with the reuse of materials, improving quality and functionality. However, the remanufacturing industry faces difficulties and is considered an unstable and inefficient environment if compared to manufacturing. Therefore, this paper proposes a cell layout based on lean manufacturing concepts and adapted to the remanufacturing context, aiming to minimize waste, reduce variability and ultimately increase efficiency.

Keywords: remanufacturing, cell layout, lean remanufacturing, product recovery.