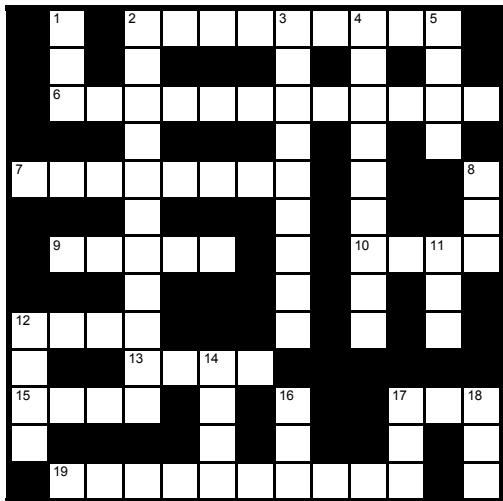


Packaging_Industry_13x13_2008-10-18

B.B. Huria



Across

- 2 A system of components arranged to transmit motion in a pre-determined fashion. (9)
- 6 The longest path or chain of activities in the project that determines the shortest period of time in which the project can be completed. (8,4)
- 7 A party receiving the company's product, using company's services or purchasing the company's product for resale. (8)
- 9 Any material that separates a product within a container from the basic walls of the container. (5)
- 10 A substance that has the ability to increase the concentration of hydrogen ions (H^+) in water and reacts with a base to form a salt. (4)

12 The average value of a number of observed data. (4)

13 A computerised maintenance program called a computerised maintenance management system. (4)

15 Alkaline substance (with $pH > 7.0$) that yields hydroxyl ions in solution. (4)

17 A scheduling technique (PERT diagrams) to determine the length of a project and to identify the activities and constraints that are on the critical path. (3)

19 The adhesion of a substance to the surface of a solid or liquid. (10)

Down

- 1 Acronym for Computer numerically controlled. (3)
- 2 The physical act of ensuring that all machinery and

systems are in operable condition at all times, especially during scheduled periods of demand. (11)

3 Micro-organisms that grow in the absence of oxygen. (9)

4 For a given packaging line, it is the amount of a specific item or processed or consumed in a given amount of time. (5,4)

5 The average life of non-repairable items. (4)

8 Can end applied to open end of can in a cannery; also known as cap. (3)

11 The professional society of food scientists and technologists in the United States. (3)

12 The cumulative operating time divided by the number of failures. The reciprocal of the failure rate. (4)

14 It is the maintainability or the mean time to repair and is the average time required to repair a device or system. (4)

16 The cumulative time from the beginning of the production cycle until an item is finally finished. Time spent in inventory as work in process, setup times, move times, inspection and order preparation time are included. Known as manufacturing lead time. (3)

17 Airtight sealed metal container for food or drink or paint, etc. (3)

18 Master Production Schedule - The main overriding schedule of the number and the timing of all end items to be produced in a manufacturing plant over a specific planning horizon. (3)