

Metalworld

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EDITOR

D. A. Chandekar
B.E. (Met.) DBM, DJMC

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HEAD OFFICE

1, Alpha, M. G. Road, Vile Parle (E),
Mumbai - 400 057. India
Tel. : 91-22-2619 2376,
2617 1575, 2617 1866
Fax : 91-22-2616 2817

Email : Marketing : marketing@metalworld.co.in

Editorial : editorial@metalworld.co.in

Website : www.metalworld.co.in



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Editor - D. A. Chandekar



Editorial Desk

Within the umbrella of metallurgy, non-ferrous metals assume a very vital and prestigious position. Owing to their special properties, these metals find applications in variety of industries and a lot of metallurgical thinking is required to formulate their parameters. Many steel mills producing TMT or similar steels may operate without a qualified metallurgist but this is impossible in case of plants producing non-ferrous metals and their alloys. Thousands of compositions and grades as well as numerous intricate parameters and applications make this sector really challenging and thus exciting!

The sector has been growing with double digit rate for the last decade or so. Out of many customer industries, automobile forms the most important and the biggest user of non-ferrous metals products. It consumes major quantity of these metals and their alloys and the remaining finds its application in other industries like power, defense, aerospace, white goods, construction etc. Naturally the fortunes of non-ferrous metals sector and the foundries dance on the tunes of automobile industry. The auto industry too had witnessed an explosive growth in the last decade not only in terms of numbers but also in terms of the perception of the consumer. The customer expectations have undergone a phenomenal change in this period. They want more fuel efficient, light weight, aerodynamic shape and a good looking smart vehicle. We have also seen that many auto parts which were originally made of steel, are now being made by other metals like aluminium or even by composites for weight and price considerations. The non-ferrous metals industry is also gearing up for the challenging requirements of auto sector. They have developed many alloys which are light weight materials specially suited for auto and aerospace industry.

Presently auto sector is somewhat stagnated as far as sales are concerned and this has put a tremendous back pressure on auto component manufacturing companies as well as primary metal producing companies. In my opinion, these two sectors have bit over expanded their capacities and thus though in the last decade or so, the demand has climbed up substantially, the capacity has gone ahead of it. Today many plants are operating below 75 % of capacity utilization but at the same time I must mention that the industry sentiment is quite positive and everybody is expecting the things to improve in coming months!!!

D. A. Chandekar