



Forming  
of profile  
s & Sheets  
ised Steel,  
& Aluminium  
ated Strips

**MACHINES**

I printed by her at Lotus  
WV Industrial Town, West  
14 and Published from  
mpuram, CMH Road,  
Journal published from  
ed in this journal are not  
ol Business Mart reserves  
d herein in any manner  
ure the accuracy of the  
er the Publisher nor any of  
illios for any errors or

# "ROLL FORMING" A Labour Saving Technology

The transition period has been instrumental in nurturing very many vital inputs to the industrial sector towards greater productivity efficiency, quality and consistency and automation technology. These constitute the key to global competition as well as the world class standards. The vision of a robust destiny and the road map is very clear. The journey has begun with earnestness. In a span of about 20 years India will turn into a major hub of manufacturing on a solid foundation of rich experience, confidence & innovative talents. The Indian Industrial Destiny is clear. It will dominate the global Industrial Scenario with its stature of credibility and competitiveness. India progress and prosperity will be greatly hinged on this robust destiny.

The exit of the weak industries, the struggle of the majority of the middle segment and the slim top bracket of the industry has left a stable industrial sector, where the entrepreneurship is honing up with innovative initiative and aggressive spirit of competitiveness which augurs well to a promising destiny.

Soon the brightness dawned in the industrial horizon. It strengthened the outlook of pick up. The vision of an ocean of opportunity seemed bright heralding the hope of a promising destiny.

The seriousness of entrepreneurship created

**INDUSTRIAL DESTINY**  
C R Janardhana, President  
Kannataka Small Scale Industries Association



an Industry.

In the previous issue various aspects pertaining to the development of Rollforming in India was explained. In the forthcoming issues we will highlight one after another the various applications/advantages of Rollforming Technology in detail.

One of the earliest classic cases of labour saving example in the manufacture of Rolling shutters in India had been the use of rollformed Bottom-Plate Sections (Fig. A). After the rolling shutter is pulled down the locking is done at the Bottom-Plate portion. Rolling shutter is the most prevalent and essential item of shops, show-rooms, go-downs, garage and factory building entrance doors. Sometime prior to the year 1970, Rolling Shutters in India were being made mainly by a handful of companies in Mumbai, Chennai and Kolkata. From there they were being delivered to various other areas of India. Also the cost of procuring Rolling Shutters used to be quite high.

The scene now is - all the required shutter making components are stocked and readily available in the markets of almost every city in India.

An increasing number of individual mechanics, small scale/tiny sector industries purchase those parts, assemble and install the shutters at the required locations. Competition is quite high in this sector and also the prices have come down substantially compared to the earlier days.

Prior to 1970, the Bottom-Plate Sections were used to be fabricated by riveting three separate formed sheets.

As shown in figure B) which used to be a costly and laborious procedure. Almost 50% of the labour cost of making the rolling shutter used to go for making the Bottom-Plate Section. Because of roll formed single piece Bottom Plate Section the labour cost of making rolling shutters has come down substantially.

Mr. A S Shetty who was heading the development department of one multinational company in Chennai who were producing various types of rollformed sections was the first person in India who developed the integrated type rollformed Bottom Plate Section. Since then several people all over India had started copying this Section and also made some variations of their own. Considering lack of rolling shutters being installed per month throughout India the total saving in labour cost of making the rolling shutters comes to several Crores of Rupees per month.

