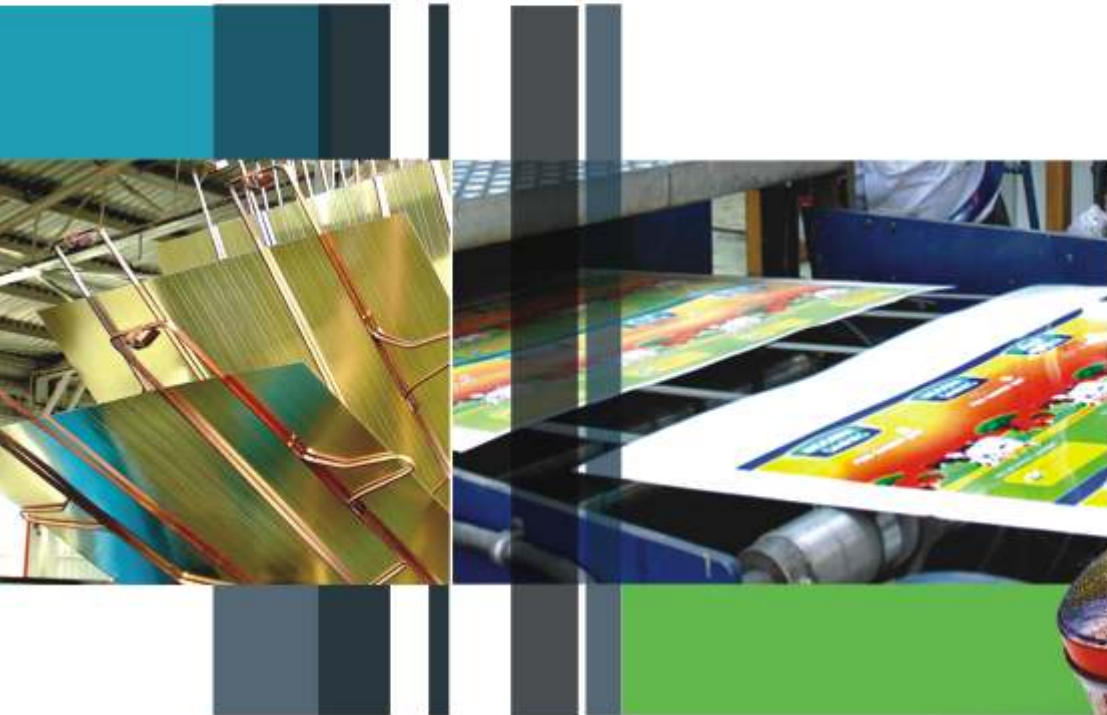




Printed and lacquered tinplate



THE TINPLATE COMPANY OF INDIA LIMITED
A **TATA** Enterprise



TATA TINPLATE is manufactured by The Tinplate Company of India Limited (TCIL). Incorporated in 1920, TCIL pioneered indigenous tinplate manufacturing in India. Today, the Company continues to uphold its leadership position in the field of supplying world class Tin Mill products to customers both in India and abroad. Approximately 25% of production is regularly exported to discerning markets worldwide for packaging of a wide variety of fresh and processed foods, beverages, confectionery, fish, dairy products, as well as, for non food applications like paints, pesticides, lubricants, battery etc.

To enhance the value proposition of its product offerings to the customers along the industry value chain, and provide further impetus to its business purpose of being a cost-effective metal packaging solution provider, a Solution Centre at Jamshedpur has been set up. Presently, the Solution Centre is equipped with state of the art Printing and Lacquering lines. Future plans include development of Closures, Components, EOE's etc.

Our Offerings

Single Reduced Tinplate / TFS

Tailor-made within the following ranges:

Thickness	0.19mm to 0.40mm
Width	700mm to 1020mm
Cut Length	500mm to 1090mm
Temper	T2 / T2.5 / T3 / T4

Double Reduced (DR) Tinplate

Tailor-made within the following ranges:

Thickness	0.15mm to 0.21mm
Width	700mm to 1020mm
Cut Length	500mm to 1090mm
Temper	DR 08 DR 480

Finish: Stone and Silver / Matt

Surface Oil (DOS) Level: 5 -12mg/m²

Passivation: 311/ 300 Treatment

Annealing: Batch Annealed

Specifications of supplies as per JIS G3303SPTE, EN10202, ASTM 623M & IS 1993:2006



Printed & Lacquered Tinplate

PRINTED

All types of printing jobs for food cans, paints, pesticides, decorative cans etc. including sizing and varnishing

LACQUERED

All grades/coating for food and non food applications, including gold / transparent and other types of lacquers

Advantages of Printed / Lacquered Tin Cans

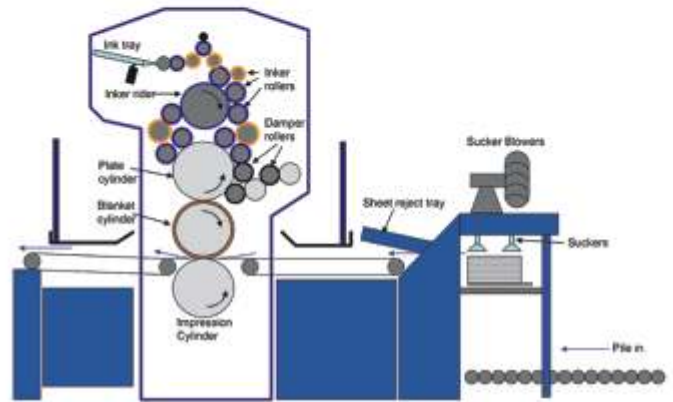
- Ensure distinct brand visibility on crowded shelves
- Enhance product value
- Outer Lacquering guards the printed surface
- Inner Lacquering protects contents

Printed and Lacquered cans enhance the inherent values of tinplate packaging – protection from harmful UV rays and bacteria, retention of original aroma, flavour and colour. Robust packaging ensures easy storage, stacking and long shelf-life. Further, these cans are 100% recyclable and eco-friendly.



Printing Line

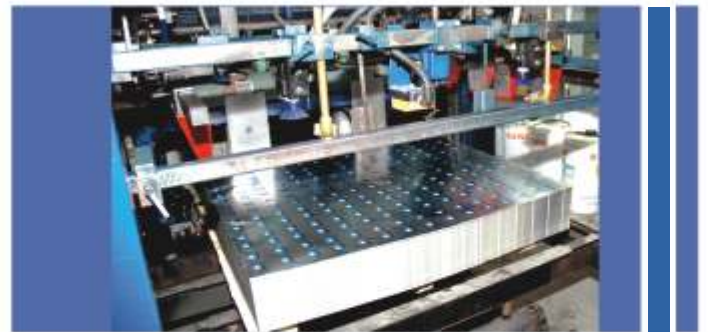
The objective of the Printing Line is to strengthen the value chain and showcase the latest design and colour combinations to improve aesthetics and shelf appeal of packaging. Sheets are fed into the printing machine where the job is done as per artwork provided by customer. An inline coater is used for varnishing and polishing the sheet to improve scratch resistance and gloss. Sheets are then passed through the oven for baking.



Printing Line Specifications

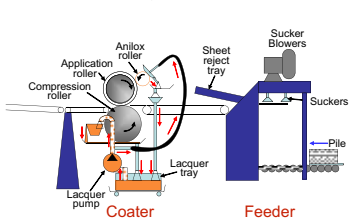
Crabtree 2 Colour Marquess Plus with Inline Coater and Dingma Oven 27 meters long

- Min. metal sheet size: 710 / 510mm
- Max. metal sheet size: 1143 / 965mm
- Sheet thickness: 0.15 to 0.40mm
- Printing line speed: 5400 sheets / hr (max.)
- Max print size: 1137 / 459mm

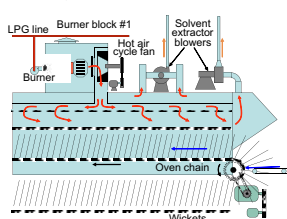


Lacquering Line

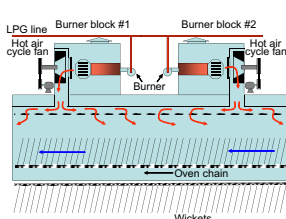
LACQUERING M/C



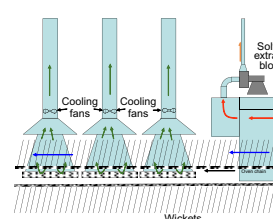
LACQUERING LINE OVEN ENTRY



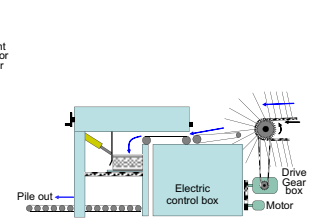
LACQUERING LINE OVEN



LACQUERING LINE OVEN EXIT SIDE



LACQUERING LINE EXIT

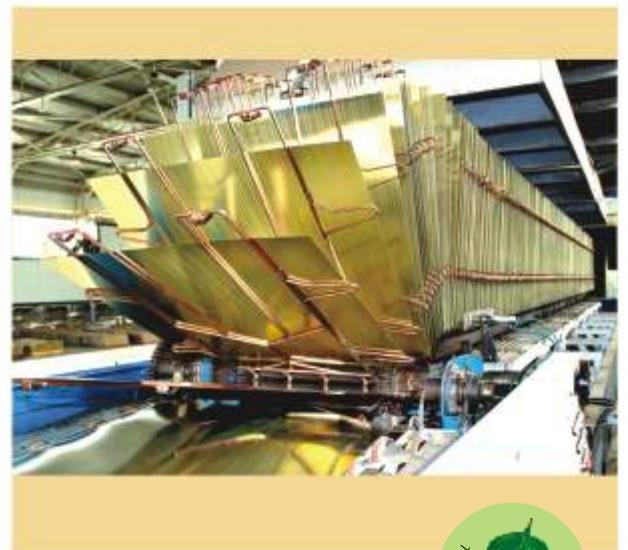


Sheets are fed into the coating machine for lacquering operation on one side (specifications of which depend on the customer order). Sheets then pass through the oven for baking. The temperature of the oven ranges between 180°C to 200°C. The oven in the Lacquering Line has three LPG fired burners.

Lacquering Line Specifications

Crabtree Free Standing Coater with Dingma Oven 33 meters long

- Min. metal sheet size: 660 / 508mm
- Max. metal sheet size: 1143 / 965mm
- Sheet thickness: 0.15 to 0.60mm
- Lacquering line speed: 5400 sheets / hr (max.)
- Lacquering area: Stencil & Solid jobs
- Dingma oven: Highest working temp 225°C





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