



Steel for DWI Beverage

The cost-advantage of 2P beverage cans lies in their high-speed production (approx. 2,000 cans/min). Production line stoppages must therefore be kept to a minimum. In use, the can must be able to withstand internal pressure (6.2 bars with beer and soft drinks) and axial load for stacking. All cans must be free from any forming defects and have a bright and perfect surface. This is certainly a challenge!

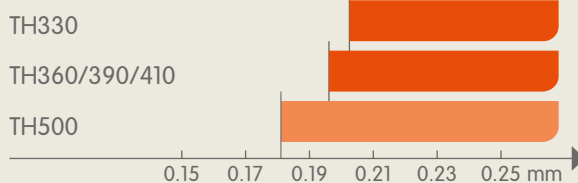
The highly demanding DWI can-making process requires perfect steel:

- Steel must be free from any detrimental inclusions (to avoid short cans and split flanges)
- The steel manufacturing process must be robust to guarantee consistent mechanical properties, especially drawability (yield stress, r-Lankford coefficient) and low earing (anisotropy)
- Steel strip thickness must be tightly controlled to ensure a smooth and efficient manufacturing process and the expected can performance

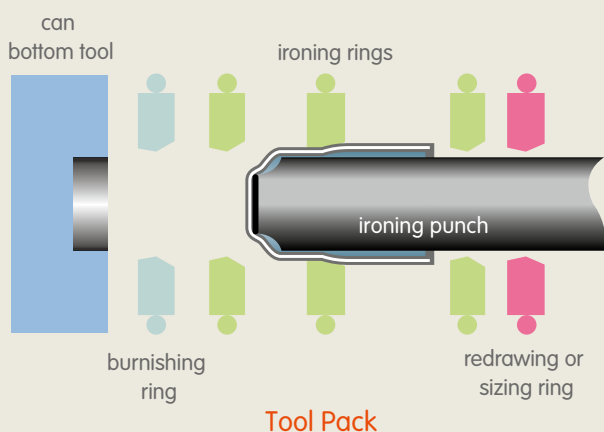
ArcelorMittal supplies its customers with the most advanced DWI metal-lurgies - low carbon and ultra-low carbon - on a wide range of grades, thicknesses and widths (up to 1,230 mm) to satisfy all requirements. The steelmaking process is fully optimised to increase product cleanliness. Any combination of upper and lower side tin coatings is available to allow the tin to act as lubricant during the ironing process.

ArcelorMittal supports its customers' development work and downgauging projects - such as the latest 0.18 mm thick TH500 development.

Product offer for DWI beverage



	Thickness	Cleanliness	Yield strength	Tin coating	Roughness
Line efficiency	■	■		■	■
Seam reliability		■			
Pressure resistance	■		■		
Axial load resistance	■		■		
Can aspect				■	■



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