



TERRONICS
DEVELOPMENT
CORPORATION

Press Release

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Tin Plate Oiler Technology

Tin plate used for food and material containers is a specialized material. Rolled to thicknesses of between four and seven one-thousandth of an inch (0.004"-0.007"), the low carbon steel is electrolytically plated with tin to provide a surface suitable for contact with food. Subsequent operations include cutting to length and forming into the desired product which might include a pickle jar top or coffee tin.

To assist in handling the steel during the cutting and forming operations, a very low level of oil is applied, typically 1-2 milligrams per square foot per side. Applying this oil uniformly at a small droplet size is the key to enabling lithography on the steel without removing the oil before hand. Terronics has been operational with a very efficient electrohydrodynamic oiler at this major steel producer for approximately 2-1/2 years. Prior technologies are wasteful of the oil, which is an expensive kosher citrate-based material. The precision of control enabled by the Terronics technology eliminates waste oil and reduces production costs.

Terronics is confident it can provide the finest Oiler for this application, both from the standpoint of the deposition quality, and the highly efficient-very low loss of the oil. Please contact us if your tin plate needs include improving your oiling quality.

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