

Techni Eco BT 2

Sustainable Acid Tin Plating Process



TECHNIC

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Acid Tin Plating Free from Carcinogenic and SVHC Substances

Techni Eco BT 2 is a new bright tin plating process, based on tin sulphate and sulfuric acid and inexpensive to manage.

The main innovation of this process consists in the total absence of substances included in the authorization list, such as nonyl-phenols. It is also free from carcinogenic substances, making it fully compliant with the REACH regulation and, most importantly, drastically reducing the risks to human health.

In addition to the advantages in terms of reduced environmental impact, this process offers excellent performance, thanks to its ability to operate within wide current density parameters, making it considerably more flexible in the production phase.

Techni Eco BT 2 produces bright and ductile tin deposits and has excellent throwing power and superior distribution. Its use is recommended for barrel and rack applications.

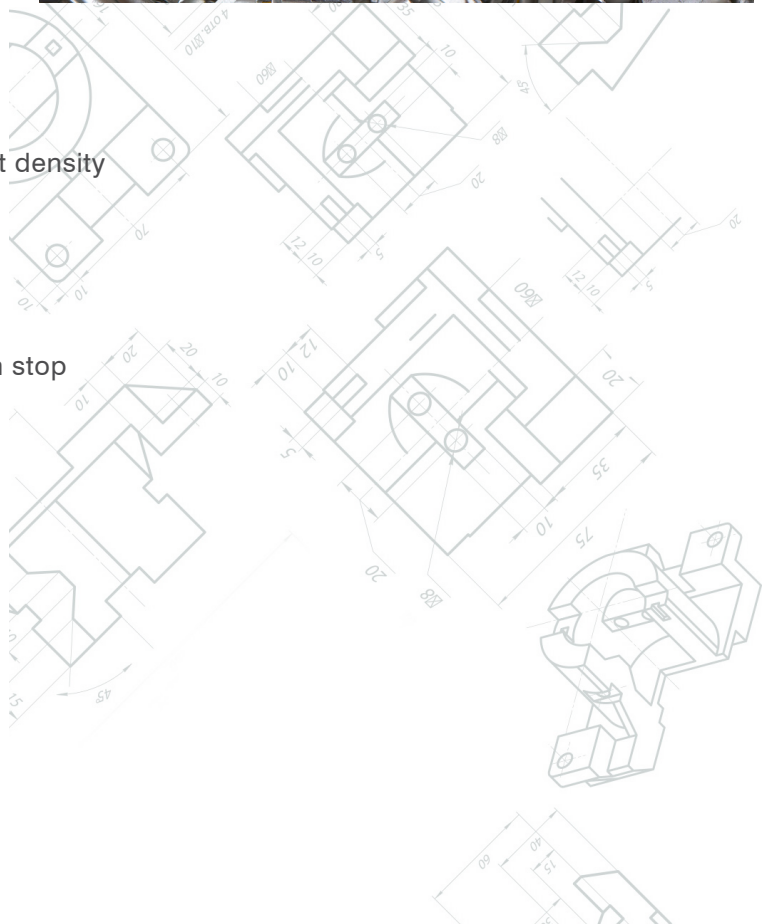


Characteristics

- Bright and ductile deposits
- Uniform appearance of the deposit at any current density
- Excellent throwing power
- Suitable for both barrel and rack processing
- Excellent distribution at all current densities
- No decomposition of additives during production stop

Benefits

- Free from SVHC substances (nonyl-phenols)
- Does not contain any carcinogenic substances
- Excellent solderability
- Whisker-resistant deposit
- Fully analyzable system
- High cathodic efficiency



Techni Eco BT 2

Product Specifications

MAKEUP:		
Component	Range	Optimum
Sulfuric acid	80-120 ml/L	100 ml/L
Tin metal	15-20 gr/L	18 gr/L
Techni BT Wetter 2	20-40 ml/L	30 ml/L
Techni Eco Brightener 2	10-30 ml/L	20 ml/L
Techni Eco Antioxidant	30-50 ml/L	40 ml/L
Techni BT Booster LCD	0.25-0.75 ml/L	0.5 ml/L



PARAMETRI DI FUNZIONAMENTO:		
Parameter	Range	Optimum
Operating temperature	16-25° C	21° C
Current density	0.5-1.5 A/dm ²	Depends on the application
Cathodic efficiency	> 95%	> 95%



“We are seeing a growing number of customers who are interested in processes that are completely free from carcinogenic substances. To meet their needs, our R&D department has developed Techni Eco BT 2, a safer, more sustainable acid tin plating process. The launch of this product is part of our 40 Plus: Green Generation project, born after Technic Italgalvano’s 40th year of activity, which aims to create a new generation of products that offer excellent products performance while improving the sustainability of plating processes.”

Giorgio Stabilini, Managing Director at Technic Italgalvano