

Satilume® LongLife

Advanced filtration and dosing equipment



General Metal Finishing

Decorative coatings

atotech.com



Source: Courtesy of Mefiag Netherlands B.V.

Regeneration system for satin nickel plating

Introducing a new generation

More than 10 years ago, Atotech introduced the first Satilume® LongLife equipment. The system was developed to stabilize the production of defined satin nickel finishes, combining MKS' Atotech globally recognized Satilume® Plus chemistry with an advanced filtration and dosing equipment.

Today, the second generation of Satilume® LongLife keeps the same principle, but adds on some new features and improvements.

For example, the continuous filtration of the electrolyte has been improved, from the filtration package to the control of the flow rate. Combined with a controlled dosing of the additives, it allows for a stable process and a prolonged electrolyte's lifetime.

Now available as a standard unit or an automated unit, Satilume® LongLife helps to deliver stable high quality satin finishes, while reducing maintenance efforts and reject rates, therefore increasing production capacity.

Increasing the electrolyte's lifetime with Satilume® LongLife



Fig 1:
Satilume® LongLife B10
standard unit

Fig. 2:
Satilume® LongLife B20
automatic unit

Fig. 3:
Satilume® LongLife C10
standard unit

Pictures Courtesy of
Mefiag Netherlands B.V.

Classification of Satilume® LongLife units

There are three Satilume® LongLife units available:

- Two standard units: Satilume® LongLife B10 and C10
- One automatic unit: Satilume® LongLife B20

Different unit sizes are available to be able to handle tank volumes of up to about 10.000 l, depending on the installations and the satin effect requested.

Automatization for increased process control

Satilume® LongLife B20 is a fully automatic unit which allows increased process control. All relevant process parameters can be defined, adjusted and will be recorded automatically. With a fully automatized system, Satilume® LongLife goes one step ahead in process control and maintenance for satin nickel finishes.

The full spectrum of satin nickel finishes

Satilume® LongLife combines MKS' Atotech well-known Satilume® Plus process with advanced filtration and dosing equipment. Our processes from the Satilume® Plus range provide a variety of fine, regular and very attractive surfaces with a silky and matt decorative appearance. By combining the different satin nickel finishes with MKS' Atotech wide range of final deposits, a tremendous spectrum of colors and designs can be achieved. The Satilume® Plus processes can be plated on metallic substrates such as brass, steel or zinc die-cast and suitable plastics like ABS, ABS/PC blend materials or PA.

Features and benefits

- Improved quality of defined satin nickel finishes
- Reduced maintenance efforts and reject rates
- Prolonged electrolyte's lifetime – up to 5 days per week
- Suitable for high quantity satin nickel plating (for example automotive or sanitary industries)
- Perfectly adapted to the Satilume® Plus chemistry
- Improved filtration and control of flow rate

