

# Technic SBE plating system

A better way to process and plate small components

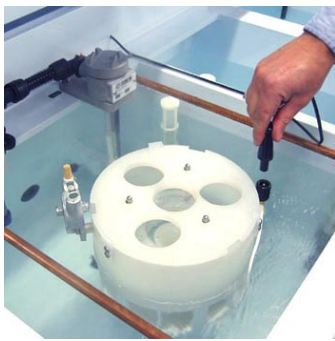


Technic's Spouted Bed Electrode (SBE) plater is a new and patented method of electroplating small components such as electronic connectors, discs, pins and SMT chip capacitors and resistors. This innovative plating system replaces a 4 x 6 inch barrel with



Technic's patented SBE chamber. Difficult to plate parts such as pins, discs and SMT components can be easily processed with the SBE Plater. The load size for the SBE is typically from 50 to 400 mls and requires significantly less conductive media when plating SMT components. SBE plating modules with

Technic's proprietary chemistry are now running production at several major manufacturing facilities in both the US and Europe. Automated versions are available.



## SBE Plating System Advantages:

- No Pin/screen sticking
- Reduces or eliminates clustering
- Reduced part loss or damage
- Improved conductivity
- Reduced or eliminated part-to-part plating variations



## General Specifications:

- Modular Design
- Corrosion Resistant Polypropylene Construction
- Constant Current/Constant Voltage Rectification
- Precision Amp hour/minute timing with rectifier interlock
- Conforming anodes/baskets
- One (1) SBE plating head per plating station
- Plating head flow sensor/meter for solution volume adjustment



*Exclusive Technology of Technic Inc.*

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## Load Size

The SBE Plater can handle loads between 50 to 400 mls in volume, eliminating the need to add media to small loads. It is the only electroplating system that provides this feature.

## SBE Chamber

The unique solid wall design of the SBE plating chamber and rapid circulation of the spouted bed cathode eliminates hung up parts, resulting in excellent part-to-part and batch-to-batch plating uniformity. The SBE Plater can satisfy your most demanding quality control standards.

## SBE Processing

By using electrolyte jet to circulate the load, the SBE's unique patented design of the plating chamber features no moving parts. The result is a simple dependable system constructed of durable materials with minimal maintenance requirements.

## Capability

The SBE Plater typically plates 50-100% faster than conventional barrel systems at identical current densities. The SBE Plater's configuration allows for higher current densities resulting in plating speeds much greater than conventional barrel plating.

## Economical

SBE Plating expands your current production capabilities with faster plating speeds, greater load size flexibility and the ability to plate without media in some cases. It's economical cost; reliability and simple implementation make the SBE Plater one of the fastest returns on investment in the plating industry today.

## Support

Because the SBE Plating System technology is coupled with one of the world leaders in plating chemistry for over 50 years, Technic can offer unparalleled technical support, research and proprietary chemistry including our Neutral Ph Tin Plating Electrolyte CeramiStanBR.

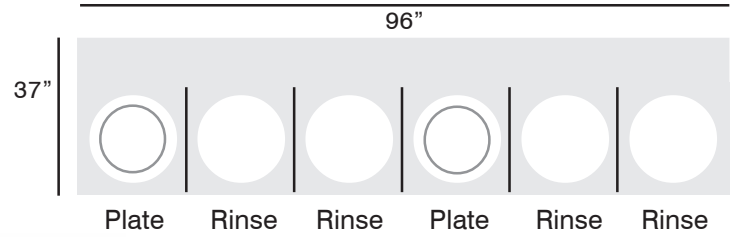




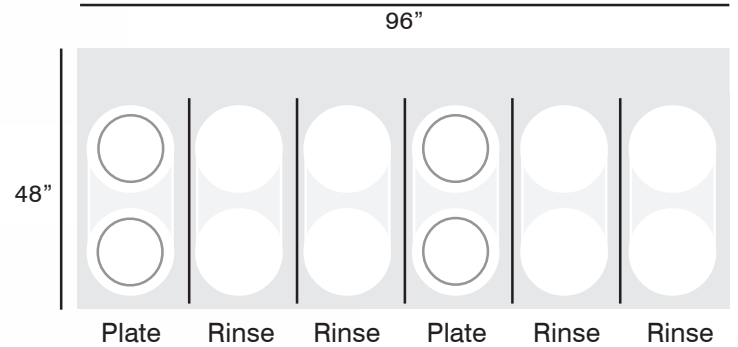
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SBE 1-6



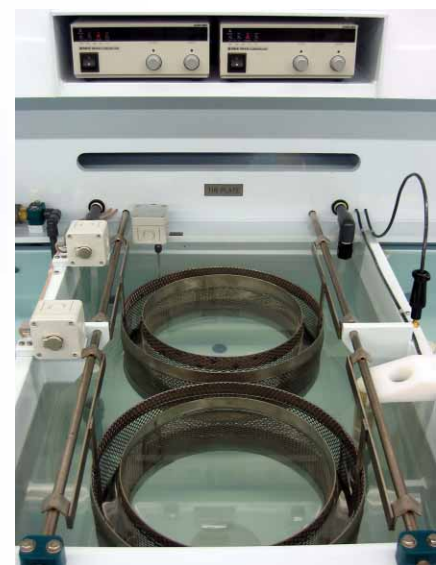
1-6 Configuration



2-6 Configuration



SBE 2-6





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SBE 2-6 with single station activate/rinse and load/unload station



6"x6" bench-top centrifugal Dryer with stand



Load/unload stand (*SBE chambers and baskets not supplied*)



Electrolytic Cathode Strip/Rinse Module



SBE 2-6 (*rear view*)