

# SCS PL-3201

## *Table-Top Dip Coating System*



The SCS PL-3201 is a compact, precision dip coating system for table-top coating of printed circuit boards in a non-automated production setting. This portable system can be used to apply urethane, epoxy, silicone and acrylic coatings, as well as photoresists and solder mask materials.

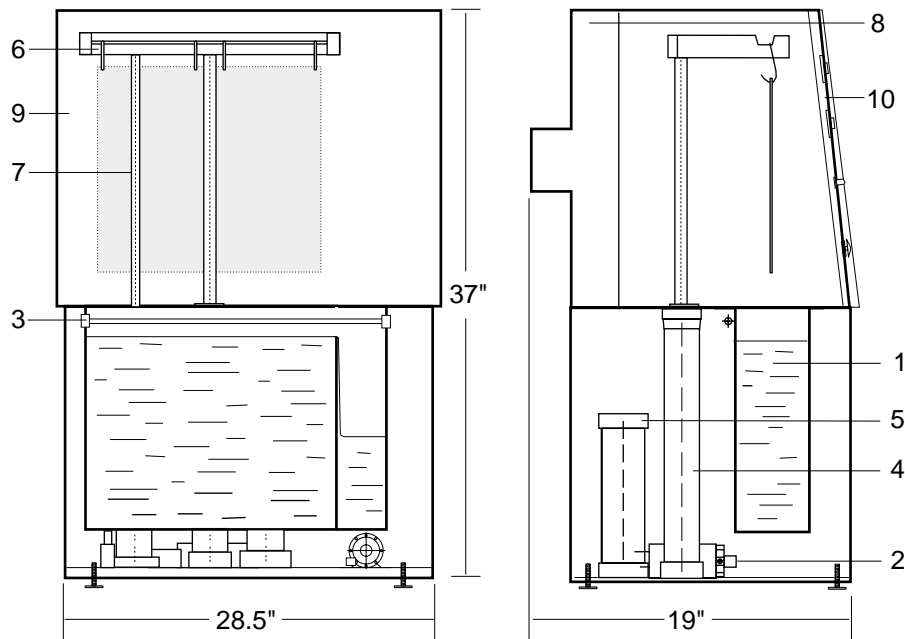
The efficient PL-3201 dip coating system uses a stationary tank and an air-over-oil cylinder mechanism to move circuit assemblies into and out of the coating. It meets National Fire Class I, Group D explosion-proof standards for a Division 1 environment.

The SCS PL-3201 makes efficient use of coatings and ensures complete coverage on both sides of

coated assemblies. Accurate immersion control eliminates need to mask areas that remain above the dip line.

- Powered by compressed air cylinder for smooth, explosion-proof operation
- Adjustable immerse and lift speeds, 1-24 inches/minute
- Dip assembly supports multiple boards per dip cycle
- Removable tank for fast, easy coating changes
- Independently adjustable immersion and withdrawal rates

# Dimensions



1. Dip tank
2. Circulation pump (optional)
3. Gas blanket manifold (optional)
4. Hydraulic actuation cylinder
5. Air-over-oil accumulators (2X)
6. Cross rod support rack
7. Lift travel control bar
8. Exhaust plenum
9. Hood
10. Control panel

## Specifications

Unit size - 28.5"W X 19"D X 37"H  
(72.4cm X 48.2cm X 94cm)

Tank size - 18"L X 4"W X 14"D  
(45.72cm X 10.16cm X 35.56cm)

Tank drain - 1/2" (1.27cm)

Immersion capacity - up to 8" (20.3cm),  
with 6" (15.2cm) freeboard

Immersion rate - 1 to 24 in./min  
(2.54 x 61cm/min)

Withdrawal rate - 1 to 24 in./min  
(2.54 x 61cm/min)

Dip Depth - adjustable by sensor position

Actuation - compressed air at 5cfm/80 psi  
(8.5M<sup>3</sup>/hr./5.5bars), oil and moisture free

Exhaust - 200 cfm (340M<sup>3</sup>/hr.)

## Optional PL-3201 Features

- Circulation Pump and Overflow Dam
- Stainless Steel Piping for circulation pump in lieu of brass piping
- 225 Micron Coating Filter (circulation pump option must be purchased with this option)
- Dip Dwell (0-30 seconds)
- Tank Air Blanket and Flow Meter
- Teflon Coated Tank