Odyssey
Lead Tinning System
RPS lead tinning systems are automated, hands-free robotic platforms designed to tin component leads for re-conditioning and re-tinning applications, including high reliability. Available features include flux and solder stations, pre-heat, dynamic or static solder and dip flux baths, as well as clean and dry stations. RPS provides total control to set process parameters with immersion depths, dwell times, insertion and extraction speed, acceleration, impeller speeds, and all I/O.

# Odyssey

## Lead Tinning System

### Operations
- **Computer**: Windows 7 PC
- **Loading**: Auto Option

### Station Configurability
- **Accuracy**: X | Z Axes ± .002” | 0.025mm
- **Programmability**: Unlimited program storage capacity
- **Immersion Depth**: Programmable ± .002” | 0.0125mm
- **Speed in/out**: Programmable 0-3”/second
- **Immersion Time**: Programmable in milliseconds
- **Interpolated Motion**: 5 Axis Simultaneous Motion

### Solder Management
- **Temp Control**: PID proportioning (0-400°C) ± 2°C
- **Solder Pot**: Electro Polished Stainless Steel
- **Process Range**: 5 x 8 x 4” | 125 x 200 x 100” mm
- **Capacity**: Static 35 Lbs | 16 kgs
- **Dynamic**: 300 Lbs | 140 kgs
- **Static Dross Wiper**: Standard
- **Lead Free Ready**: Standard
- **Flux Station Range**: 5 x 8 x 4” | 125 x 200 x 100” mm
- **Dynamic Flux Option**: Recirculating

### Additional Stations
- Rinse Station: Option
- 2nd Flux Station: Option
- Dry Station: Option
- PreHeat Station: Option

### Physical
- **Electrical**: IR 0 - 500 C (± 2 C) 220VAC | 3Ø 5 Wire | 50-60Hz | 60amp
- **Weight**: 900 lbs | 410 kgs
- **Certification**: UL and CE Labeled
- **Air**: 80 PSI
- **Dimensions**: 72 x 24 x 36” | 1830 x 635 x 915mm
- **Exhaust**: 20 SCFH (ft³) | 0.56 CMH (m³)
- **Nitrogen**: <100 PPM @ 100 CFH (option)

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Free software upgrades | 1 year system warranty | Lifetime solder pot warranty