



## Advanced Solutions Division

Support Bulletin: RASD-SB00029  
Model: Roland Engraving Systems  
Subject: US-CHIPSYS-C Instructions and Specifications  
Date: 11/6/2006  
Author: RR

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### **US-CHIPSYS-C Installation Instructions**

1. Remove the unit and other parts from the box and check against the packing list.
2. Plug the removable power cord into the socket on the top of the unit. Plug the other end into a standard wall socket. Try the unit by turning the switch on.
3. The vacuum hose supplied slips onto the vacuum connection on top of the unit and the other end connects to the collection device desired.
4. The ideal location for the US-CHIPSYS-C is under the bench where the user works. The single station hose supplied is 2-1/2" x 6 feet long and accords to the desired length. The hose may be shortened by removing the hose cuff from one end and carefully cutting with a sharp knife; the hose cuff threads onto the hose with a left-hand thread. It is recommended that you try to keep the total length of hose less than six feet between the unit and the dust collection point. Longer hose will reduce suction.
5. The following image shows the vacuum system put together.





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### MAINTENANCE

**A. Filter Bag Replacement** - When a noticeable drop in suction occurs, it is time to change the filter bag. **DO NOT** attempt to clean out the filter bag, replace with a new filter bag (part# US-FLTRBAG-A3).

1. Remove the two thumb screw knobs on the front of the unit and remove the front cover plate which will expose the Filter bag.
2. Remove the used filter bag by sliding it off the inlet tube; tilt the front of the cardboard reinforcement downward slightly for easy removal.
3. Check the inside of the filter bag compartment, if dust is present vacuum out the compartment. The cause for the presence of dust in the compartment could be the bag had been torn around the seal during installation or the bag was full and overflowed. Maintenance of the filter bag is important for optimal motor performance. To extend the life of the filter bag up to 10 times, ensure to use the Accumulator. **CAUTION:** Operating the US-CHIPSYS-C with a plugged filter bag can cause permanent damage to the motor.
4. Slip the cardboard reinforcement, with rubber seal, over the inlet tube.
5. Tilt the front of the cardboard downward and slip the back edge up past the tube end; rotate upward over the tube end. Carefully tuck the edges of the filter bag into the filter bag compartment.
6. Replace the cover plate and gently tighten the thumb screw knobs. Use gentle pressure to make sure the gasket seal is correctly in place; the vacuum pressure will draw the cover tight. Over tightening will damage the seal.

**B Circuit Breaker** - The unit is protected by a circuit breaker on the rear of the unit. In the unlikely event that there is an overload condition the breaker may trip. If this happens, reset the breaker by pushing on the white button until it clicks into place.

### US-CHIPSYS-C Specifications

- Usage: Single station use for collecting dust at 1.5" diameter workstation
- Speeds: Single Speed
- Size: 14.Lx10.Wx12.H
- Power Requirement: 115 VAC 5A
- Overload Protection: Resettable circuit breaker included.
- Sound rating: 53db on High
- Dust Collection: Collects 99.99% of all dust (filter rated at 95% @ 1 micron)
- Options: Available from Vaniman Manufacturing @ [http://www.vaniman.com/products/index.php?site=industrial&category\\_id=38](http://www.vaniman.com/products/index.php?site=industrial&category_id=38)
- Motor Rating: High Performance ½ Horsepower Motor.