

## **Aerospace Interview**

**By Aviation Precision Manufacturing Technology 2010, Issue 6**

As new technologies develop, high precision components are more and more required in Aero-space industry; good cleanliness of components is getting highly demanded. Through less human interference washing process, we can control the particle sizes, surface residual weight and surface tension of components to meet desired performance of the components. Good cleaning can increase the reliability and expand life span of final products.

### **1. Please introduce the product lines of CTG that can be used in Aero-space industry.**

RB series: Suitable for simple and complicated metal parts, this fully automatic machine can provide consistence and reliable cleanliness.

AQ series: Suitable for simple and complicated metal parts for high and ultra high precision washing. In a strictly controlled environment (clean room), by using our unique ultrasonic with sweep multi-frequencies, we can achieve cleanliness under 1 micron. This series can also be used in components passivation.

AS series: Suitable for all kinds of components, especial good at process washing. This is also a good tool in jet engine retool.

HT series: These are small but flexible washing machines, suitable for small precision components cleaning to achieve medium, high or ultra high cleanliness (in clean room).

RT series: These are multi purpose spray washing machines that can be used in all kinds of application.

We also manufacturing custom washing machines for Aero-space industry.

### **2. Please explain the advantage that CTG has?**

It has been over 100 years now since Wright brothers flew their first airplane, and till now, human beings

fly jet planes and send people to space. CTG grew up in the same period. Many advanced cleaning technologies and applications that CTG has, were results of cooperating with US Aerospace Industry. We have been working closely with many famous Aerospace companies and Research Institutes from US, Europe and Canada to enrich and develop new technologies and designs. In this process, we have gained tremendous application experiences. In China, we are here to share our technologies, applications and designs with our customers in a fast growing Chinese aerospace industry.

Cleaning Technologies Group, LLC includes Blackstone-Ney Ultrasonics, Ransohoff and CTG Asia, the group has over 10 different types of products to meet different cleaning requirements, and these equipments cover full range of cleanliness from visual clean to sub-micron level.

Full range of products to cover full range of the cleanliness in nearly all industries is the biggest advantage of CTG. This advantage allows us to meet nearly all cleaning requirements, even toughest ones.

We can provide ONE STOP ALL SOLUTIONS.

### **3. What core competence that CTG can offer to Chinese Aero-space Industry.**

Cleaning Results can talk. Facing variety of cleaning requirements, we only recommend right, not the expensive solutions to our customers. The right solutions are decided by both CTG Asia team and customers in our laboratory. We have a professional high precision cleaning test laboratory, industrial cleaning test laboratory and Millipore test laboratory. Through various tests, we can work out correct solution for our customers.

CTG takes total localization strategy, from top management to engineers, technicians and shop workers are trained local employees, fully supported by US team. CTG Asia team does not have cultural difference with local customers, and thus can provide heart to heart service. This makes our communication easier and more efficient in pre-sales, sales and after sales. We normally consider problems from a customer's perspective. We do not treat our customer as simply a buyer. Both customer and us is a valuable link in active Chinese economy.

#### **4. What are CTG's expectation to the Chinese Market?**

After 1949, especially after China opened its door to the world in 1976, Chinese aero-space has seen fast growth. The big passenger airplane project, Chang E project and Space Station project have pushed Chinese aero-space industry into a new era. Compared to US, the Chinese aero-space industry started late, but has huge potential to grow. As the biggest developing country in the world, China aero-space is sure to catch up with the world development. American Cleaning Technologies Group, LLC with rich experience in aero-space industry should take an important role in Chinese Aero-space industry. We wish to establish close relationship with Chinese Aero-space enterprises, and grow up together in fast growing market.

We believe that the future for American Cleaning Technologies Group, LLC and Chinese Aero-space Industry will see a great future in Chinese and world market.