

Tongtai won three consecutive awards in the fourth quarter of 2019. Each award is a glory and an expectation. We would take these affirmations and expectations to break through the challenges of the future in 2020!!

Top stories

Tongtai honored with the Taiwan Excellence Award for the fifth time

From 2016 to 2020, Tongtai has won five consecutive Taiwan Excellence Awards. The winning products of 2020 are: CO₂ / UV Combo Laser Processing Machine; and TLCU-660 for 5G PCB large panels & special materials. Tongtai Line Management System (TLM) allows customers to monitor machine status and processing analysis for smart manufacturing factories. The overall effect of SP-5000P is

engineering intensive and achieves the best performance for five-axis machining of aluminum alloy parts.



Tongtai won the Kaohsiung Leading Enterprise Award

Established in 1969, Tongtai has been deeply cultivated in Kaohsiung and actively operates in the international arena. Currently, there are more than 80 direct sales and distribution agents all over the world. Tongtai invests 4 ~ 5% of annual turnover for research and development, and has accumulated 132 patents. Recently, it has successfully cut into advanced manufacturing fields such as:

metal and sand mold 3D printing; composite laser processing machines; and flexible manufacturing system. Our management and R & D achievements have won unanimous affirmation and thus won this award.



Tongtai won the Health Management Award

Tongtai participated in the selection of excellent and healthy workplaces for the first time this year. The selection was made after a five-month, three-stage review of continuous care for employees' health to build healthy workplace results. Tongtai, with its continuous efforts to take care of employees' health and build a healthy workplace, has distinguished itself from 40 manufacturers in the

southern Taiwan and won the Health Management Award.



2019 Christmas Sending Love Event

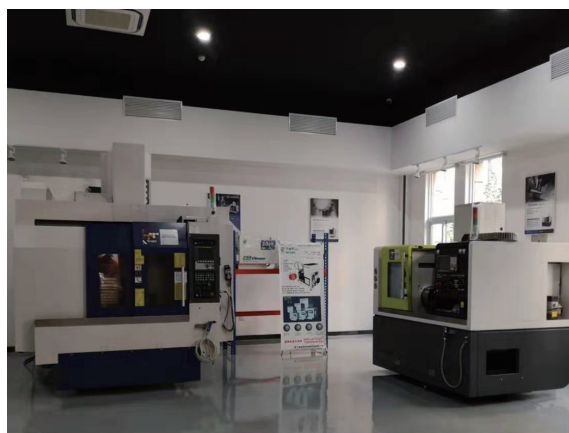
Since 2013, Tongtai has held Christmas Sending Love Event every year. Tongtai raised a total of NT\$45,358 in 2019, and prepared more than a hundred Christmas gifts to go to five elementary schools in remote areas of Kaohsiung. In addition to giving children a Christmas surprise, we also hope that when they receive gifts, they would plant the seeds of love in their hearts and continue to contribute to

this society when they grow up. Tongtai Christmas Sending Love Event has been going on for seven years. Thank you to everyone who donated and supported this event.



Tianjin T-TAC is to strengthen local sales and service energy

Tianjin T-TAC Technical Application Center (T-TAC) held the opening ceremony and vertical lathe sales seminar on October 26, 2019. T-TAC shows two Shu-zhou Tongyu-made equipment: vertical processing machine TMV-1050Allu; and horizontal CNC lathe TCS-2000u. It is expected to provide better sales and service for customers in North and Northeast China.

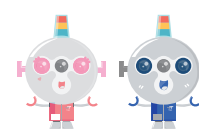


APEC Open House Visited Tongtai's Flexible Manufacturing System

APEC held the 2019 Open House Exhibition on October 30, inviting agents and customers from around the world. In the morning, APEC introduced "Aerospace Processing Solution" and "Smart Factory". In the afternoon, they visited Tongtai to understand the flexible manufacturing system. This event demonstrated TTGroup's smart factory strength and high-end customized capabilities

recognized by the aerospace industry TIER 1 customers.

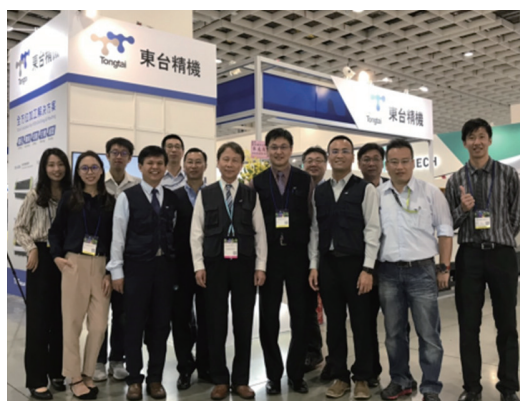




Exhibitions

TPCA 2019 optimistic about 2020 performance growth

Tongtai participated in the "2019 TPCA International Exhibition of Printed Circuit Board Industry" during October 23-25, and focused on 5G and semiconductor business opportunities. Tongtai exhibited Drilling Machine SDL-620B, Laser Drilling Machine TLC-2H26, and Ultra-High Precision Independent Axis Controlled PCB Drilling Machine TCDM-6. The three devices, with excellent positioning speed and processing efficiency, are more competitive in price.



Smart manufacturing solution became the focus of 2019 DMP Show

During November 26-29, Tongtai participated in 2019 DMP Show, and exhibited 4 best-selling machines made by Tongyu for smart manufacturing solutions. It showed how Tongtai applies CPS technology to build FMS, and connects with MES and ERP. Smart manufacturing solution became the focus of 2019 DMP Show.



HKPCA 2019 welcomes 5G business opportunities

HKPCA 2019 was held in Shenzhen from December 4-6. Tongtai took 5G PCB drilling equipment as the theme of the exhibition and exhibited a new generation of large table linear motor drilling machines SDL-620B, CO₂ laser drilling machine TLC-2H22 III, CO₂ / UV combo laser processing machine TLCU-660. Many manufacturers had already negotiated the details of the purchase, sprinting for 5G business opportunities.



Events

Aerospace parts repair demonstration activities

The Industrial Bureau of the Ministry of Economic Affairs held a demonstration activity on "Aerospace parts repair and online measurement technology development" in Tongtai on November 26. This line is mainly composed of Directed Energy Deposition Hybrid Machine, AMH-350, 5-axis Machining Center, CT-350, online measurement

system and robotic arm, etc. It can process both additive and subtractive metal machining.



Tongtai 50th Anniversary Golf Tournament

On December 21st, Tongtai Golf Club held an annual golf friendship tournament to celebrate the 50th anniversary of Tongtai. Participants in this event included Tongtai employees, suppliers and customers, with more than 30 people. After a full day of tight competition, SIEB & MEYER Mr. Rainer Gerhus finally won the championship with 85 evens. Mr. Li Dingyi won the net shot with a stroke of 92 (handicap 21). Mr. Chen Zhengxiang won the net shot runner-up with 87 (handicap 15). Mr. Sun Tiaowang of Dulin Industry won the third place in the net by 89 (handicap 17).



BTA SPM for Vibration Absorber Drilling



2W-2S BTA SPM is able to satisfy the requirements of precision and efficiency in deep-hole drilling of shock absorbers. The unique BTA deep hole drilling technology can discharge chips from the inside of the tool head. The chips do not contact the wall of the hole that has been cut, and so avoids the chips damaging the processed surface. That ensures the effect of surface smoothness after drilling. In addition, 2W-2S BTA SPM adopts vertical type configuration and twin-spindles design, facilitating loading/unloading and allowing two parts to be processed in meanwhile. Recently, a renowned India motorcycle manufacturer ordered six machines with Tongtai and now these machines are running in their factory.

Nursing column

Beware of pneumonia outbreak in Wuhan

The pneumonia outbreak in Wuhan, China, has accumulated 59 cases since the end of December last year and ended 1/7. The possibility of SARS has been ruled out. The Department of Disease Control of the Ministry of Health and Welfare stated that the proposed level of Wuhan International Tourism Epidemic Situation will be upgraded to the first level of attention.

In addition, it is also calling for avoiding contact with wild animals and birds, access to live poultry markets or hospitals and other public places. If you have a fever and respiratory symptoms within 14 days after returning home, wear a

mask and see a doctor. You must inform the physician of your travel history, occupation, contact history, and group situation. Make sure to wear a mask to maintain respiratory hygiene. Cover your mouth and nose with toilet paper or sleeves when sneezing or coughing.

Toll-free Communicable Disease Reporting and Consultation Hotline, 1922

