



26th Taipei Int'l Machine Tool Show

***The sharpest edge
for industry***



**T
I
M
T
O
S**

Show Review



March 7-12, 2017
www.timtos.com.tw


Organizers:
**Taiwan External Trade
Development Council**

www.taitra.org.tw
NO.1, Hsin-Yi Rd., Sec.5,
Taipei, Taiwan, 11011
Tel: 886-2-2725-5200
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Email: timtos@taitra.org.tw

**TAIWAN ASSOCIATION
OF MACHINERY INDUSTRY**

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Taipei, Taiwan
Tel: 886-2-2349-4566
Fax: 886-2-2381-3711
Email: timtos@tami.org.tw

Venues:
 Hall 1: TWTC Exhibition Hall 1
Hall 2: EXPO Dome @ Taipei EXPO Park
Hall 3: TWTC Exhibition Hall 3
Hall 4: Taipei Nangang Exhibition Center

Production:
 Ringier Trade Media Ltd.



 www.promptcnc.com



HMC-1300

Your Total Molds Solutions



MT-200x530




SG-6015AHR




EDM-1470L

Access Code
SDTIMTOS0066

PROMPT INTEGRATED TECHNOLOGY LTD.

 www.promptcnc.com

 paul@promptcnc.com **Contact ▶ Paul Huang**

EXHIBITIONS of
2017



A big THANKS from TIMTOS 2017!

Dear Visitor,

Thank You from the 26th TIMTOS organizing team. Your visit to the show helped prospects blossom at Asia's best event in the machine tool industry.

TIMTOS hosted a record of 1,100 exhibitors from 20 countries with 5,430 booths this year, positioning it among the top two machine tool trade shows in Asia. This 6-day event attracted a total of 50,146 visitors, among which 7,339 were from overseas that grew 3% from last edition.

As the organizers of TIMTOS, it is TAITRA's (Taiwan External Trade Development Council) and TAMI's (Taiwan Association of Machinery Industry) mission to profile and promote innovative products and the latest trends behind the industry. This year, with the theme of "Industry 4.0" and Smart Manufacturing, TIMTOS exhibitors showcased their newly developed smart machines and production lines that are integrated with automated equipment, big data analysis, cloud computing and Internet of Things, etc. And most importantly, we feel that the show opened more business opportunities and greater insights with your participation.

With TIMTOS 2017 wrapping up, we cordially invite you to visit iMT 2018 (May 9th to 12th), Taipei Intelligent Machinery & Manufacturing Technology Show (formerly known as MT_{duo}, Taipei Manufacturing Technology Show), and TIMTOS 2019 (March 5th to 10th) that both elicit outstanding opportunities to connect with industry elites, discover new products and get inspired by the latest trends.

Thanks again for your support, and may all your ventures bring you success and happiness.

Sincerely yours,
TIMTOS 2017 Organizing Team



26th Taipei International Machine Tool Show

APRIL 2017 | SHOW REVIEW | 1

TAIWAN
EXCELLENCE

ISO9001



TAIWAN MANUFACTURE

EVERISING**EVERISING SAW YOUR IDEA****F-360**

Fully Automatic Band Saw

● 360 mm ■ 360x360 mm

**EP-330S**

Hi-Tech Band Saw

● 30-330 mm ■ 30-330x400 mm

**E-830**

Hi-Tech Band Saw

● 250-830 mm ■ 250-830 mm

**E-530**

Hi-Tech Band Saw

● 30-530 mm ■ 30-530 mm

**P-501LA**

Fully Automatic Circular Saw

● 8-50 mm ■ 8-40 mm

EVERISING**EVERISING MACHINE CO.**No. 1, Jingke 1st Road, Nantun District, Taichung 408, Taiwan

Tel.: +886-4-2350-5300

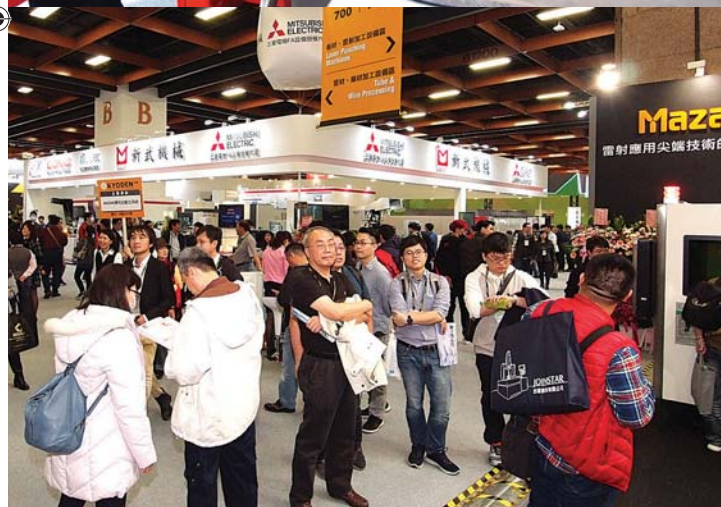
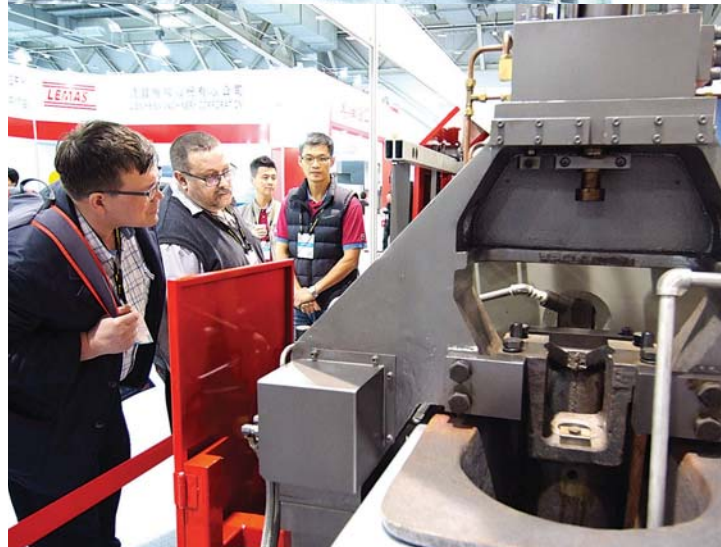
E-mail: evrs@everising.com.tw

Fax: +886-4-2350-5420

<http://www.everising.com>Access Code
SDTIMTOS0033

TIMTOS 2017

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- Innovation Award
- Product Review



TIMTOS 2017 Fact Sheet

Show Name:

26th Taipei International Machine Tool Show (TIMTOS)

Show Date & Hours:

March 7-12, 2017, 10AM-6PM

Show Frequency:

Biennial Since 1975

Exhibit Space:

100,000 sqm (gross)

Organizers:

Taiwan External Trade Development Council (TAITRA)
Taiwan Association of Machinery Industry (TAMI)

Number of Exhibitors:

1,100 (Local: 784, Foreign: 316)

Venues:

Taipei World Trade Center (TWTC) Exhibition Hall 1 & Hall 3
EXPO Dome @ Taipei EXPO Park
Taipei Nangang Exhibition Center, Hall 1

Number of Booths:

5,430 (Local: 4,380, Foreign: 1,050)

General Visitors' Analysis for TIMTOS 2017

TOTAL VISITOR COUNT

Date	March 7	March 8	March 9	March 10	March 11	March 12	Total
Overseas Visitors	2,321	1,707	1,514	933	645	219	7,339
Local Visitors	4,404	5,620	6,728	7,373	12,177	6,505	42,807
Total	6,725	7,327	8,242	8,306	12,822	6,724	50,146

Top 10 Overseas Visitors by Country

	Country	Total
1	Mainland China	1,645
2	Japan	673
3	Malaysia	482
4	India	454
5	South Korea	425
6	Thailand	374
7	Turkey	282
8	United States	277
9	Russia	214
10	Singapore	205

Statistics of Overseas Visitors by Country

GRAND TOTAL:

7,339

North, South, Central America Visitors

Country	Total	%
United States	277	3.77%
Canada	63	0.86%
Brazil	32	0.44%
Mexico	30	0.41%
Colombia	15	0.20%
Trinidad And Tobago	12	0.16%
Argentina	11	0.15%
Chile	7	0.10%
Nicaragua	5	0.07%
Ecuador	4	0.05%
Peru	2	0.03%
Bahamas	2	0.03%
Venezuela	2	0.03%
Dominican Republic	1	0.01%
Aruba	1	0.01%
Belize	1	0.01%
Bolivia	1	0.01%
Honduras	1	0.01%
Virgin Islands (U.S.)	1	0.01%

Africa Visitors

Country	Total	%
South Africa	92	1.25%
Egypt	35	0.48%
Algeria	14	0.19%
Industrial area North Extension	3	0.04%
Morocco	3	0.04%
Tunisia	3	0.04%
Nigeria	2	0.03%
Western Sahar	2	0.03%
Botswana	1	0.01%
Burkina Faso	1	0.01%
Mauritius	1	0.01%
Tanzania	1	0.01%
Uganda	1	0.01%
Zimbabwe	1	0.01%

Europe Visitors

Country	Total	%
Turkey	282	3.84%
Russian Federation	214	2.92%
Italy	133	1.81%
Germany	108	1.47%
United Kingdom	74	1.01%
France	57	2.83%
Poland	55	0.75%
Switzerland	52	0.71%
Czech Republic	50	0.68%
Spain	43	0.59%
Romania	29	0.40%
Ukraine	29	0.40%
Netherlands	28	0.38%
Portugal	27	0.37%
Finland	24	0.33%
Denmark	21	0.29%
Sweden	21	0.29%
Bulgaria	20	0.27%
Slovakia	12	0.16%
Austria	10	0.14%
Belgium	10	0.14%
Hungary	10	0.14%
Norway	9	0.12%
Belarus	8	0.11%
Slovenia	8	0.11%
Lithuania	7	0.10%
Croatia	5	0.07%
Armenia	4	0.05%
Serbia and Montenegro	4	0.05%
Estonia	3	0.04%
Latvia	3	0.04%
Bosnia-Herzegovina	2	0.03%
Ireland	2	0.03%
Vatican City State	2	0.03%
S. Georgia And The S. Sandwich Islands	2	0.03%
Albania	1	0.01%
Andorra	1	0.01%
Anguilla	1	0.01%
Georgia	1	0.01%
Republic Of Macedonia	1	0.01%
Virgin Islands (British)	1	0.01%

Oceania Visitors

Country	Total	%
Australia	77	1.05%
New Zealand	22	0.30%
Wallis And Futuna Islands	6	0.08%
Papua New Guinea	2	0.03%
Tahiti	2	0.03%
Heard and Mc Donald Island	1	0.01%
Samoa	1	0.01%

Asia Visitors

Country	Total	%
Mainland China	1,645	22.41%
Japan	673	9.17%
Malaysia	482	6.57%
India	454	6.19%
Korea, Republic of	425	5.79%
Thailand	374	5.10%
Singapore	205	2.79%
Vietnam	171	2.33%
Indonesia	169	2.30%
Philippines	144	1.96%
Hong Kong	70	0.95%
Bangladesh	13	0.18%
Myanmar	12	0.16%
Sri Lanka	12	0.16%
Kazakhstan	3	0.04%
Mongolia	2	0.03%
Cambodia	1	0.01%

Middle East Visitors

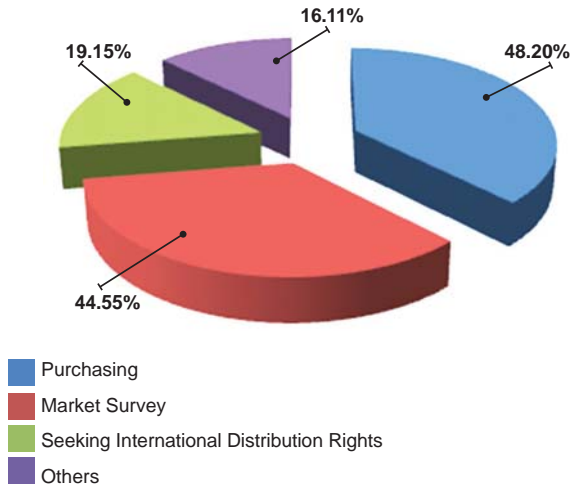
Country	Total	%
Iran	45	30.61%
Pakistan	31	0.42%
Israel	24	0.33%
Saudi Arabia	21	0.29%
United Arab Emirates	9	0.12%
Afghanistan	3	0.04%
Jordan	3	0.04%
Kuwait	3	0.04%
Lebanon	3	0.04%
Oman	3	0.04%
Syrian Arab Republic	2	0.03%

Other Visitors

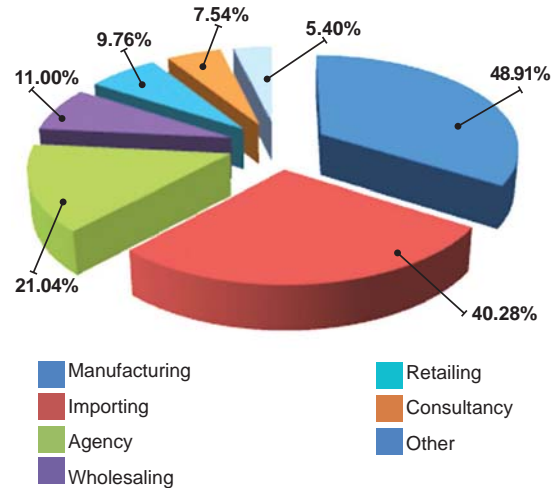
Country	Total	%
Others	224	3.05%

OVERSEAS VISITORS' ANALYSIS

PLEASE INDICATE THE PURPOSE OF YOUR VISIT.



PLEASE INDICATE YOUR BUSINESS TYPE.



PLEASE INDICATE YOUR PROFESSIONAL TYPE

Item	Count	%
Machinery	1297	61.47%
Metal Processing	596	28.25%
Mold & Die	488	23.13%
Automobile	475	22.51%
Aerospace	218	10.33%
Other	163	7.73%
IT	110	5.21%

PLEASE TICK ITEMS OF YOUR INTEREST.

Item	Count	%
CNC Machine Tools	1457	69.05%
Metal Cutting Machine Tools	1112	52.70%
Tools, Cutters	816	38.67%
Machine Tool Accessories	725	34.36%
Machine Tool Parts	620	29.38%
Metal Forming Machinery	450	21.33%
Industrial Robots	444	21.04%
Inspection, Measurement Equipment	436	20.66%
Foundry, Forging, Welding & Cutting Equipment	398	18.86%
Controllers & Control Systems	354	16.78%
Welding, Vibration Grinding, Surface Treatment Equipment	285	13.51%
Hydraulic & Pneumatic Components	284	13.46%
Laser Punching Machines	278	13.18%
Software, Design Engineering	275	13.03%
Tube & Wire Processing	217	10.28%
Other Related Items	122	5.78%

TIMTOS 2017 Procurement Meetings: Networking, Opportunities, and Solutions

As one of the most long-awaited events at TIMTOS from the buyers and exhibitors, the TIMTOS 2017 Procurement Meeting was a clear example of the power of the face-to-face meetings, and relationship building. It's these types of spontaneous meetings that cannot be duplicated in any other setting.

The TIMTOS Procurement Meetings provided stages for the visitors and exhibitors to reveal their interests and opened up new notions in R&D. It allowed them to contact one another during the fair and make appointments to discuss concrete topics. It can also mean bringing people together to share the future. That is exactly what TIMTOS Procurement Meetings does at the supplier and customer level.

The highlights at meetings were the productive conversations with international visitors and the in-depth discussions with exhibitors from the machine tool industry. Buyers enjoyed excellent discussions with suppliers in an inspiring atmosphere.

One buyer was Anatoliy Rudenko from ROSMARK-STEEL in Russia. This was his second time to visit TIMTOS. He was looking for band sawing machinery, water jet cutting machinery, length of tables 1518m. Anatoliy hopes to find companies that can help him, as he needed to find a reliable source of machines. He said that TIMTOS is an outstanding platform for cultivating and furthering business relations.

TORMACH LLC, a manufacturer of grinding and milling machines, came to TIMTOS for the first time to look for workholders, machine vises, modular cutting tools, and CNC machinery. The company hopes to meet Taiwanese suppliers who can provide his needs.



TIMTOS only happens every other year, and though it has always stayed close to its Taiwan machine tool roots, it is very much a global event. It geared at what could be generalized as the beginning of the supply chain; the focus is on machinery, tools, systems, and applications. The finished products being showcased are generally focused on industrial manufacturing and related sectors of the supply chain.

TIMTOS held over 200 Procurement Meetings, attracted near 100 exhibitors and 32 VIP buyers from 17 countries for this very intense and highly productive event. It is

here that the decision makers, developers, and buyers, all in attendance and with the objective of getting business done, negotiate major supply contracts.

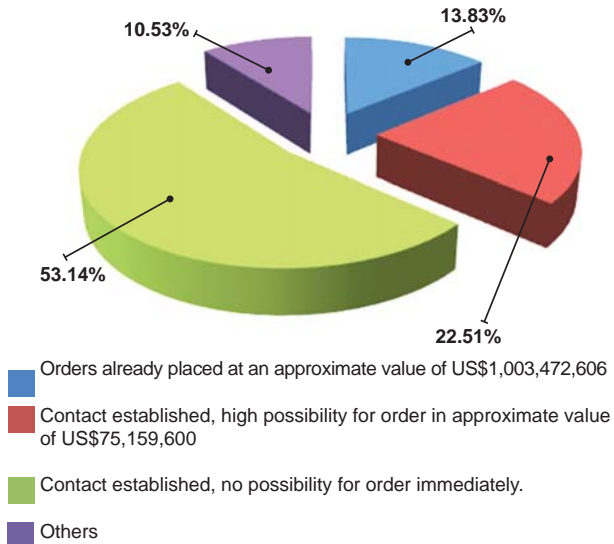
The good balance of new and existing customers at the fair has enabled TIMTOS to open up new business areas. Due to the specialization of the halls, the show has succeeded in optimally presenting a broad portfolio to the target group.

So, was TIMTOS, with all the planning and preparation, travel and expense, worthwhile? Everyone believed it was, and they plan on making the trek back to Taipei in 2019.

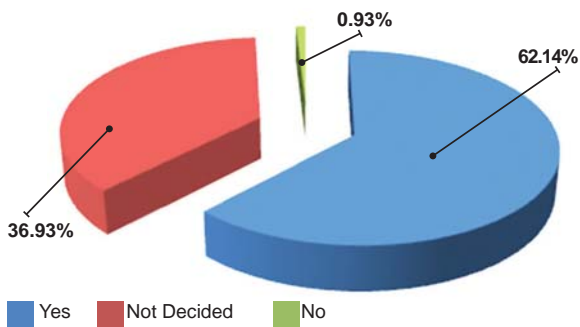


OVERSEAS VISITORS' SURVEY

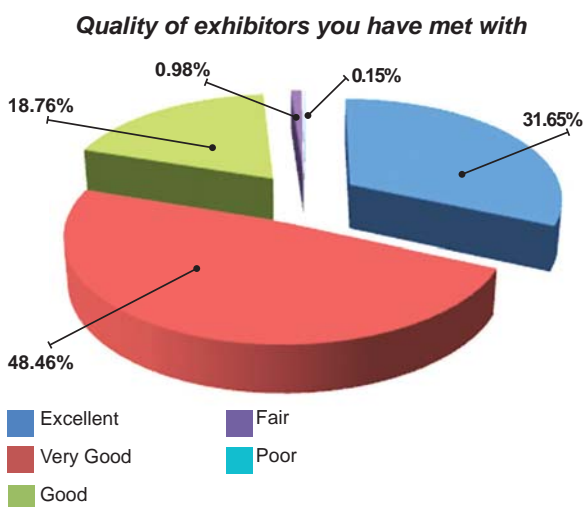
1. WHAT WERE THE RESULTS OF YOUR VISIT TO THE SHOW?



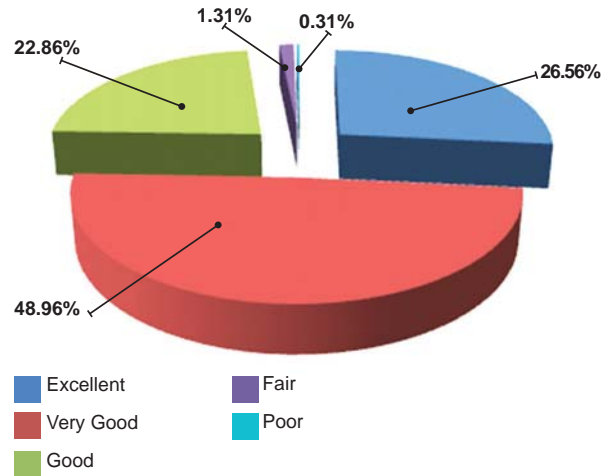
2. WILL YOU ATTEND THE NEXT TIMTOS 2019?



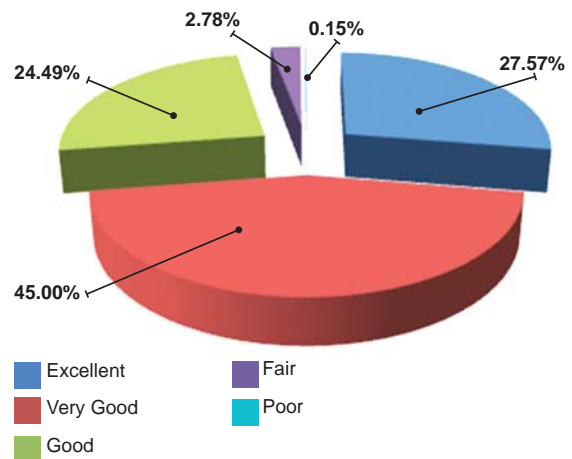
3. HOW WAS YOUR VISIT TO TIMTOS?



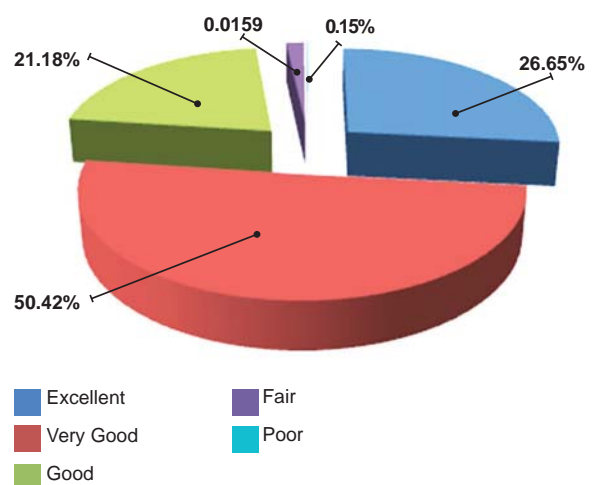
Meet existing vendors



Opportunity to see new products

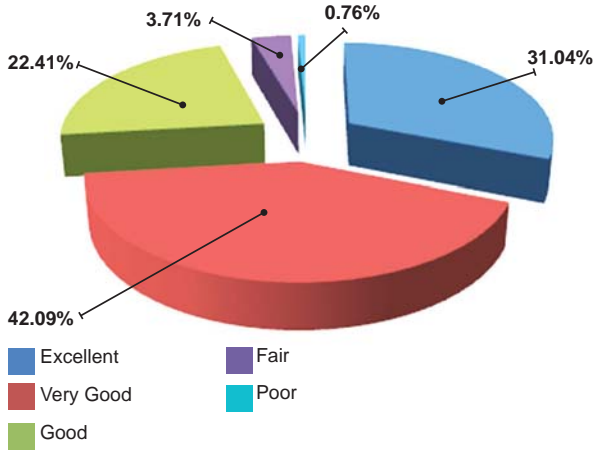


Overall impression of your visit

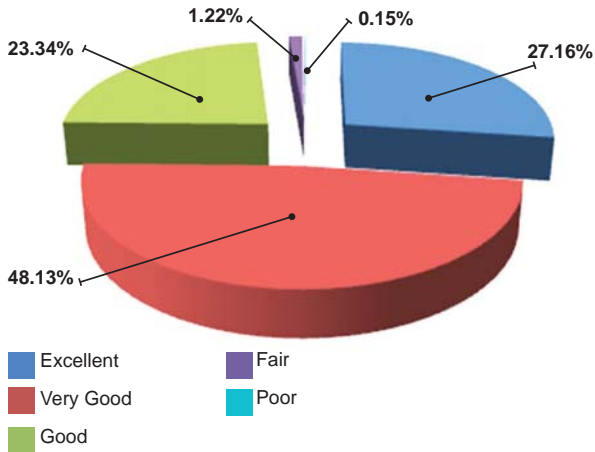


4. COMPARED WITH OTHER RELATED TRADE SHOWS AROUND THE WORLD, HOW WOULD YOU RATE TIMTOS?

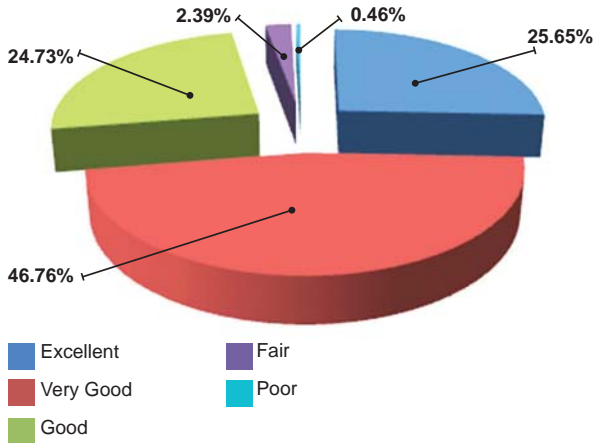
Registration process



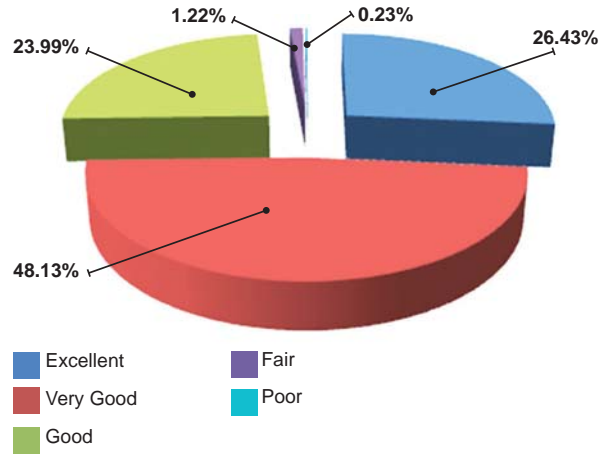
Show services



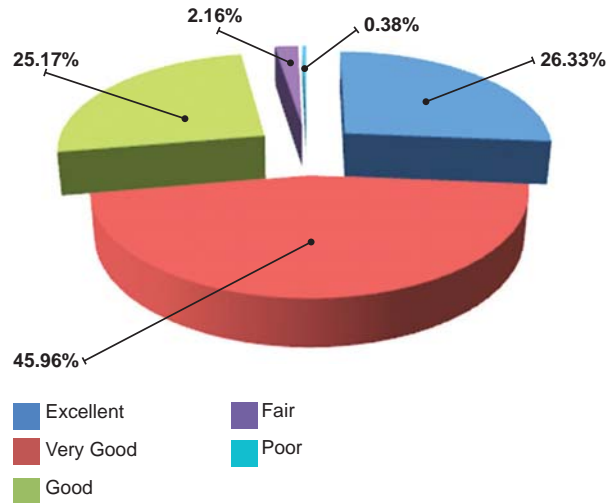
Hall facilities



Products on display



Number of exhibitors



BUYERS INTERVIEW

What TIMTOS Buyers Say...



CARLOS ROSILLOURENDA
Director SPI
(SERVICIOS PROFESIONALES DE INGENIERIA)
Mexico

We are from Mexico. Although it's far away from Taiwan, it's worth attending TIMTOS. We look for machines and also hope to find some suppliers for a long term cooperative relationship.



ROLF LEUENBERGER
Customer Support and Project Manager Asia
Zehnder&Sommer GmbH
Switzerland

We want to expand our presence in the Asian market. TIMTOS is the second largest exhibition in Asia and therefore we have no excuse why we don't come this week. TIMTOS is a very outstanding metalworking fair. We never want to miss it.



NGUYEN THE TAN
President
ANT Industries
Vietnam

I am from Vietnam. I have already collected a lot of useful information, and also met a number of Taiwan suppliers. Then I will attend some conferences later. TIMTOS really excels my expectation.



SIDDAIYAN GOVINDAN (Left)
Aqua Purification Systems
India

We have found a lot of great products and advanced technologies at TIMTOS. Those are hard for us to locate in India. It is really a great fair. We hope that the new exhibition hall will be ready for the next TIMTOS.



PATRIK OLSON
Sales & Marketing
OlsonsMaskinservice AB
Sweden

This is the second time I attend TIMTOS. I always find new things at this fair. Some Taiwan machines are as good as the European and American. But their price is more affordable. It really impresses me!



ERWIN LAUD
Manager
PT. BESTPACK
COATING INDONESIA
Indonesia

This is the first time I attend TIMTOS. It really amazes me. I find many Taiwan machine tool builders that are well equipped for intelligent manufacturing. I attended a few conferences and they were great. Also I very much enjoy this trip in Taipei. I think I will come again next time.

NC DOUBLE SIDED MILLING MACHINE

ONE AUTOMATED SENSING, FOR 4 SIDES AUTOMATED MEASUREMENT AND MACHINING

NC 雙側式銑床

一次自動感光，四面自動量測加工完成

可選購精度自動檢測
Optional Functionality :
Precision Automated Detecting



TIMTOS
March 7-12, 2017

Booth No.:
J1226

Rigid Accurate Efficient
高剛性 高效率 高精度



HM-400NC



HM-2500DS6-1200

美立固搪銑頭 Milling Head Units



CL-09L



CL-09



CL-06



ML-08



CL-L



CL-L90



CL-SL

NC 搪銑頭 NC Milling Head Units



ML-02-3000



美立固精機廠股份有限公司
PARA MILL PRECISION MACHINERY CO., LTD.

TEL: 886-4-2680-0678, 2680-2524

FAX: 886-4-2680-0587

E-mail: para@paramill.com

AGENT WANTED



Access Code
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www.paramill.com

BUYERS INTERVIEW



JERRY HUANG
Managing Director
Ark Fastech Corp
Taiwan

I am from Taiwan and I come to TIMTOS to collect the latest information of suppliers. I also find it is not difficult to locate business partners and potential clients at this fair. TIMTOS is the largest metalworking fair in Taiwan and it is always expanding and interesting.

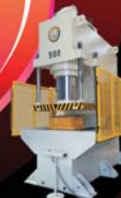


MR. ZHANG
Jingfu Longxing
Industrial Ltd
China

I have engaged in the metalworking industry for decades. I witness the growth of the Taiwan manufacturing industry. I am very pleased to see that Taiwan manufacturers have advanced their products and technologies fast and some of them have become well known in the world. TIMTOS is a great platform for buyers to learn more of Taiwan machinery and technologies.

Complete engineering, manufacturing and solutions

Establishment in 1976, the capacity of hydraulic press is from 10 to 6,000 tons, over 4000 machines built to 72 countries in the world. Dees integrates new technologies and develops over 40 running tandem lines in famous major automotive manufactures in the world.



DEES Hydraulic Industrial Co., Ltd.

TEL: +886-2-2601-8661 FAX: +886-2-2601-8936
E-mail: sales@spc.com.tw www.deesgroup.com.tw



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iMT

Taipei Intelligent Machine & Manufacturing Technology Show

台北國際智慧機械暨智慧製造展

We serve advanced industries

Exhibit Profile :

- Industrial Robots
- Machine Components & Accessories
- CAD/CAM Soft/Hard Ware & Control; Inspection & Measurement
- Metal Cutting Machinery
- Metal Forming Machinery
- Composite Material and Manufacturing
- Industrial Automation Equipment
- Information and System Integrator

MAY 9-12 2018

Taipei Nangang Exhibition Center, Hall 1

www.mtduo.com.tw



Organizers :


Taiwan External Trade Development Council
www.taiwantrade.com.tw
www.taitra.org.tw

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E-mail: mt@taitra.org.tw



Taiwan Association of Machinery Industry

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110 Hwai Ning St., Taipei 10046, Taiwan
Tel: 886 2 2349 4666
Fax: 886 2 2381 3711
E-mail: mtduo2016@tami.org.tw

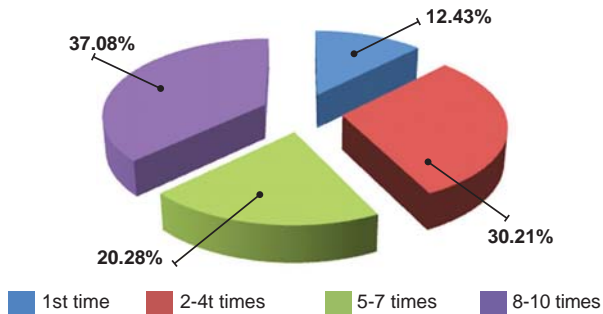
Venue :



Taipei Nangang Exhibition Center, Hall 1
1 Jingmao 2nd Rd., Nangang District,
Taipei 11568, Taiwan

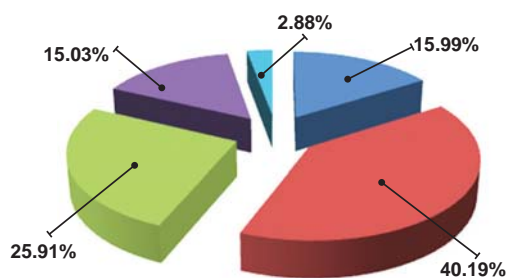
EXHIBITORS' SURVEY

HOW MANY TIMES HAVE YOU PARTICIPATED IN TIMTOS?

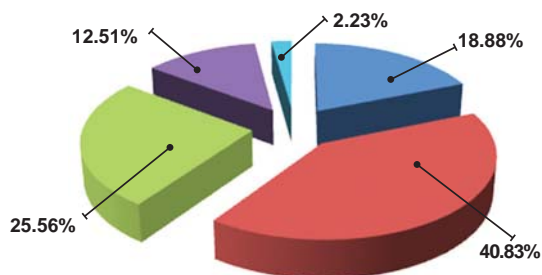


HOW EFFECTIVE WAS YOUR EXHIBITION IN TIMTOS THIS YEAR?

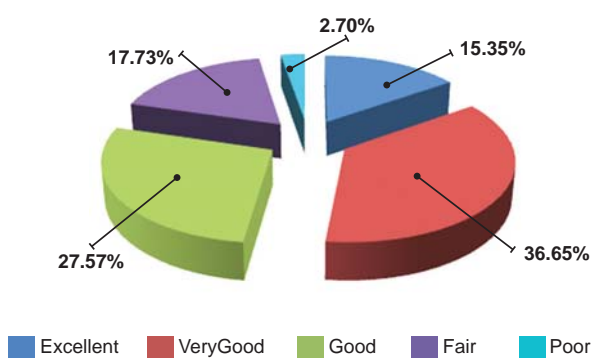
Meeting existing Customers



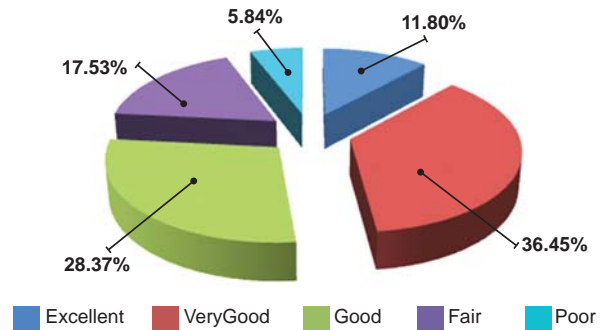
Increasing Company Image



Launch new products

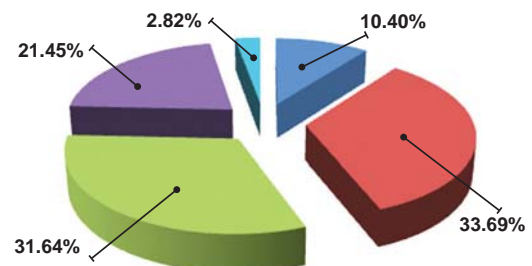


OVERALL, HOW SATISFIED WERE YOU WITH TIMTOS THIS YEAR?

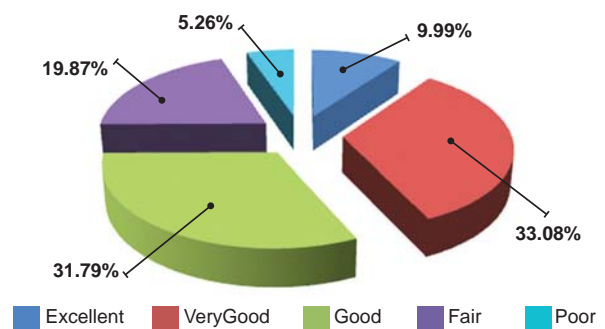


COMPARING WITH OTHER MACHINE TOOL TRADE SHOWS AROUND THE WORLD, HOW WOULD YOU RATE TIMTOS?

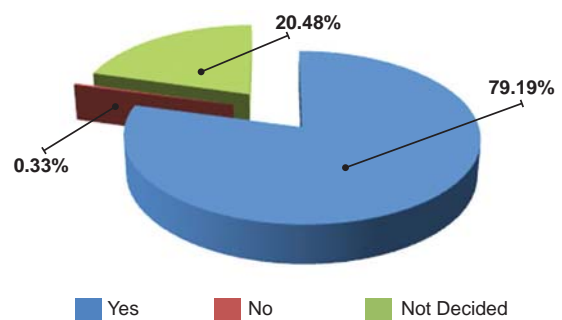
Exhibitor Service



Exhibition Facility



WILL YOU PARTICIPATE IN TIMTOS 2019?



Founded in 1954, Supertec has developed mature mechanical skills in building grinders. The company was the very first in Taiwan who built CNC Angular Cylindrical Grinding Machine. For over 6 decades, the manufacturer has successfully become the pioneer to design innovative grinders. At TIMTOS 2017, the company again amazed the visitors by their outstanding grinders.

- 1) UVG-600CNC is applied in machine tool and aviation (turbine) machining. The model is equipped with rotary table surface, automated tool changing systems and online measurement features. UVG-600CNC operates precisely and powerfully.
- 2) GM-60L Internal and External grinder is from the latest release – Grindmaster series. GM-60L is facilitated particularly in the machining spindles of lathes, vertical lathes and horizontal machining centers, as well as hydraulic cylinders. This model is perfect for deep-hole grinding.
- 3) PMG-60CNC universal cylindrical grinder is the groundbreaking equipment that emphasizes completing production in 'one-chucking'. Applications in small lot production, difficult-to-cut materials in aerospace (aircraft blades), medical artificial joints, and new generation



SUPERTEC



automobile industries are among the majority machining purposes for PMG-60CNC. The model simplifies three critical machining processes: ID, OD and taper grinding down to one setup.

- 4) SPG-2040CNC Double column surface grinder's base is a one-piece casting, eliminating leaking concerns, facilitated in machining large mold dies, tracks for machine tools, as well as in defense applications. SPG-2040CNC is particularly strong in temperature control, and systems management. Operators can store various CNC grinding programs in the machine.
- 5) B Axis Rotary Index The latest indexing plate can be embedded in the models above, the product

represents the most edge-cutting technology in index as it operates with no backlash, and with minimum worn out or damages during transmission. Furthermore, a circular positioning system excels the index's performance and accuracy during turning.

SUPERTEC nowadays aims to build automated, low carbon and energy-efficient equipment. The models above fully exemplify the determination of SUPERTEC's ambition in leading the technology transformation in the field of grinders.

Contact : **Betty Chu**
E-mail : sales@supertec.com.tw
Website : www.supertec.com.tw



UVG-600CNC



GM-60L

VOICE FROM EXHIBITORS

What exhibitors say...



DAVID KWOK
CEO of Techmart Nanotech &
DR. WOLFGANG THIEL,
Manager of Magnetfinish

This is our first TIMTOS, we have seen great energy from the show. Every time we visit Taiwan we find new exciting technologies. And we truly wish that our first exhibition at TIMTOS would stimulate closer ties between the Asian Pacific market and our technology.



SIMON YANG
Deputy divisional General Manager of
machine tool division, Chunh-Hsin Electronic
& Machinery MFG. CORP.

We are glad to participate TIMTOS once again to promote our high speed, high-precision and heavy-cutting CNC products. Especially this year's theme focuses on the development of aerospace industry - a field that Chung-Hsin emphasizes on lately. It has been rewarding to engage in the dialogues and fulfill the demands from buyers.



XUAN-YOU CHEN
Executive Assistant, Autogrip Machinery
Company Ltd.

Being an industry-specific specialist in producing power chucks and rotary cylinders, Autogrip cherishes the opportunity to be present at TIMTOS 2017. It is a great platform to meet fellow industrial players as well as visitors from a wide range of backgrounds. Especially that our product application is broad, TIMTOS 2017 provides a stage for us to showcase our CBD rubber collect chuck to machine tool builders, automation experts etc.



MR. HUANG YOU-ZHONG
General Manager PROMPT INTEGRATED
TECHNOLOGY LTD.

We are excited to see that TIMTOS 2017 has opened with a greater scale, a lot of valuable international visitors, and visitors from the ASEAN region, which is an important market for PROMPT. The show arrangement is satisfying, and it is beneficial to a young energetic company like us. We are expecting to receive more inquiries after the show.



TIM CHU
President, SUPERTEC MACHINERY
INCORPORATED

At TIMTOS 2017, Supertec has successfully showcased our latest new generation grinding machines. We are pleased that our outstanding grinders have received a lot of attention during the show, and that the helicopter manufactured jointly with our French partner was a huge topic for TIMTOS this year. We will definitely use TIMTOS as one of the main stages to release even more edge-cutting products.



WINSON HUANG
Sales Deputy Manager, JARNG YEONG
ENTERPRISE CO., LTD.

JARNG YEONG has shown visitors of TIMTOS 2017 our auto lathe (CAM), CNC lathe and special purpose lathe. This exhibition can meet demands of domestic and foreign consumers and help exhibitors to develop market opportunities. This is the ninth we took part in TIMTOS, and we cherish the opportunities we gained to promote GREENWAY brand in domestic and international market through this exhibition.



WINSTON TAI
President Taiwan Takisawa Technology Co., Ltd

As a proactive innovative manufacturer, we especially appreciate the opportunity to introduce our latest mechanical inventions at TIMTOS. It is a show that gathers industrial leaders and key decision makers. This year Taiwan Takisawa exhibited a number of machines that advocate Industry 4.0, which is also the main theme of TIMTOS 2017. It is thus a great podium for exhibitors to showcase the most advanced breakthroughs.



CHI-MING WU
President, Taiwan Winnerstech Machinery
Co., Ltd.

At TIMTOS 2017, we have showcased our world-class vertical machining centers. Being at TIMTOS is quite rewarding as it gathers fascinating technologies at the show, and attracts global manufacturers to search for high-end products. Having achieved a great development in the ASEAN region in recent years, I believe TIMTOS will remain the critical exhibition for us - to serve more customers in the region, and internationally.

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BBT-40 32 tool ATC

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Y Travel : 350~900 mm
Z Travel : 350~620 mm



Model : DV-2013
X / Y axis Linear Guideway
Z axis Box Way
Gear Head 6,000 rpm BT-50

DV Series

Double Column Machining Center

X Travel : 2,100 ~ 6,200 mm
Y Travel : 1,300 ~ 3,200 mm
Z Travel : 800 ~ 1,200 mm



Model : MH-500A
With Auto Pallet Change
Table Size 500 x 500 mm
Gear Head 6,000 rpm BT-50

MH Series

Moving Column HMC

X Travel : 650 ~ 1,200 mm
Y Travel : 500 ~ 1,000 mm
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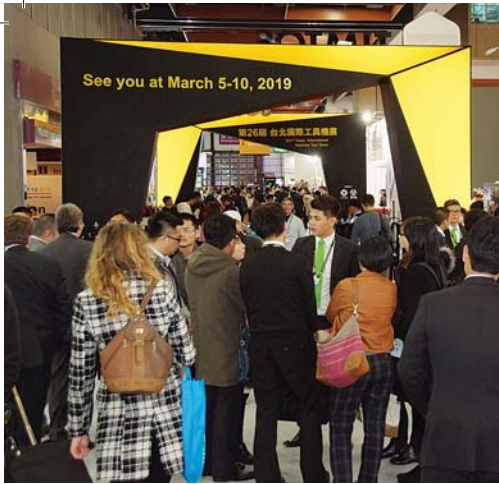
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CLOSING PRESS RELEASE

TIMTOS 2017 Successfully Closed with Smart Machines Taking Center Stage!

There was prosperity in the air when TIMTOS successfully wrapped up on March 12th with a full slate of record breaking numbers. This 6-day event, 2017 Taipei International Machine Tool Show (TIMTOS), showcased a series of top-ranked and high-efficiency automated and smart machines. The show attracted more than 7,300 foreign visitors, nearly a 3% increase compared to last edition in 2015. The top ten countries where foreign visitors came from were China, Japan, Malaysia, India, South Korea, Thailand, Turkey, U.S.A., Russia and Singapore.

This biennial TIMTOS hosted 1,100 exhibitors using 5,430 booths this year. Of all the exhibitors, 30% of them were from 20 countries, including Germany, Switzerland, Italy, U.S.A. and Japan. The exhibition scale, in terms of number of exhibitors, booths and foreign buyers, has hit record high once again.

Global procurement hub for machine tools

Many exhibitors have received orders or made contact with potential buyers from around the world during the show. For example, KAO MING received an order from an automotive molding manufacturer from China just on the second day of the show and also received enquiries from South Korea, Singapore, Malaysia, Netherlands, England, and U.S.A during the show. "We expect that order volumes would increase this year," stated the general manager of KAO MING. EARTH-CHAIN received orders from Denmark

and Japan, and two thirds of all buyers visited its booth are new encounters. SHIN-YAIN received so many orders onsite that make its production line running full capacity till September and made contacts with buyers from 25 countries, including Denmark, Portugal, Israel, Ukraine, Japan, Korea, Australia, India, Thailand and Philippines. Furthermore, HEIDENHAIN expressed that based on its many experiences of exhibiting around the world, TIMTOS, as a machine tool show presenting high-quality products and providing excellent facilities and services, has met international standard.

Participants of the One-on-one Procurement Meetings also affirmed the effectiveness of the show this year. Around 200 meetings were arranged where near 100 exhibitors and 32 VIP buyers from 17 countries such as Germany, Russia, Turkey, U.S.A., Mexico and India met and discussed future business opportunities.

International platform for announcing new trends and collaborations

In addition to the abundant exhibits, the first-ever Summit was held during the show, in response to the Industry 4.0 and continuous development of automotive and aerospace industries. Speakers from industry giants such as CISCO, NVIDIA, SICK, Siemens, KUKA and Mercedes-Benz were invited to share the latest trends in "Smart Machine," "Smart Factory," "Automotive Manufacturing Revolution" and "Aerospace

Supply Chain," which attracted more than 500 audiences. Besides the Summit, more than 30 seminars and new product presentations were held during the show that covered the newest industry trends and future developments.

As TIMTOS has gained its importance and global recognition over the years, many sees it a major platform to announce industrial collaborations. For instance, Machine Tools Industrialist and Businessman Association (TIAD) of Turkey led 28 enterprises to the show for visit and procurement, and signed a memorandum of cooperation between Maktek Eurasia 2018 and TIMTOS 2019 with TAITRA and TAMI. Even Japan International Machine Tool Fair (JIMTOF) and India Metal Forming Machine Tool Exhibition (IMTEX Forming 2018) organized international conferences to promote their own shows. Industry leaders also held press conference to announce their new ventures. For example, AIDC (Aerospace Industrial Development Corporation), NARLabs (National Applied Research Laboratories) and Siemens signed a cooperation agreement on "Aerospace Intelligent Machines and Smart Manufacturing."

Next edition of Taipei International Machine Tool Show (TIMTOS) returns on March 5th to 10th, 2019. With the construction of Taipei Nangang Exhibition Center, Hall 2 finished in time for TIMTOS 2019, it is anticipated that the exhibition scale would be expanded and hit another record high and boost huge business prospects.





Optimized surface treatments for industrial perfection

WORLDMAX started as a woodworking machine manufacturer in 1954, and later expanded its capacity to manufacture metal sanders in 1980. The company provides quick and safe processing equipment for surface treatment, especially for burr or welded marks generated from laser cut, waterjet, plasma cut, welding and punching.

Its Auto Copy Shaper is used in processing wood, marble, foam and metal. WORLDMAX's industrial experiences span across a wide industry spectrum: including wooden furniture manufacturing, marble stone artwork processing from Hualien in Eastern Taiwan, and the commonly-seen foam kickboards in water sports to the metal surface treatment.

Automatic Copy Shaper with Three Sanding Spindles is suitable for processing the edge of curved parts of hard iron material. The master plate is made according to the curve and actual size of the work piece for mass production, contributing to consistent & stable quality of work piece after being processed. The speed of the disc work



table can be adjusted based on the suitable RPM for the curve of work piece.

Besides the model above, a set of RDB-06 comes with 2 grinding heads (180°rotation), which allow quick and easy deburring.



Putting the work piece on the table within the operation range, with different grinding brushes to select, a simple press of operation button optimizes the production outcome. In addition, user-friendly ergonomic design helps reduce load of operators.

Contact : **Sonia Huang**
E-mail : sonia@worldmax.com.tw
Website : www.worldmax.com.tw



RDB-06



MAH60S3

SUMMIT SPECIAL REPORT

SUMMIT 高峰論壇

2017年3月8日至9日 March 8-9, 2017 | 台北國際會議中心101會議室 Room 101, TICC

Connecting to the Future

TIMTOS Summit: Together, to Establish Sustainable Strategies for Taiwan's Manufacturing Future

As the world of manufacturing evolves fast, this is the time to gather experts, technicians and decision makers to embrace new ideas, technologies and strategies

On its 26th edition, TIMTOS held its first ever summit. The event proved to be a fruitful one, with a wide range of informative topics centering the four key themes: automotive manufacturing, aerospace supply chain, smart machines and smart manufacturing. The two day summit was launched on the second and third day (March 8th & 9th) of the show at Taipei International Convention Center (TICC).

Speakers from world reputed business including CISCO, NAVIDIA, SICK, SIEMENS, KUKA, Mercedes-Benz, Bosch Rexroth, and academic from National Chung-Hsing University shared their knowledge and ideas about significant trends and strategies regarding these topics. During the opening remarks, Alex Ko, the Chairman of Taiwan Association of Machinery Industry (TAMI) reinforced the direction of Taiwan at present – which is to concentrate in intelligent machines, seizing the opportunity to become major supplier for products regarding the area of Industry 4.0.

The summit consisted of 30 minute lectures, with panel discussion at the end of the morning and afternoon session to sum up all the information and let the audience share their thoughts based from the lectures.

The new era of automotive manufacturing

When we look at the automobile industry today, it is full of exciting technologies and ideas. The automotive sector is experiencing a complete revolution today as burgeoning new trends in manufacturing are transforming the entire sector. Autos today are the embodiments of light-weight strategy, sustainable energy, autonomous system and industrial intelligence. These technologies trigger a substantial upgrade in the automobile production line. Taiwan's manufacturers have demonstrated fruitful results in building high-end machine tools to supply the global production chain.

At the session where automotive manufacturing revolution was discussed, the sales director of Factory Automation Bosch Rexroth, Charlie Chen talked about the company's latest development in automation technology. As the world's largest supplier in the field, they are driving the major improvements in automation solutions from their own production experience in their worldwide factories. In the speech, Mr. Chen discussed the importance of building networks between new and existing machineries. Chen said that with the help of Bosch Rexroth's IoT Gateway, production

processes and product quality can be optimized. Due to its modular design and plug-and-run features, the IoT Gateway makes it easier to connect to Industry 4.0 environments. "For some time now we have been developing and using Industry 4.0 in our own factories before rolling out to industry." He further emphasized his belief that "in the future, on building a connected world, no single company will be able to do this alone. We believe in open platforms, open standards, open source and strategic alliance."

Fan-Tien Cheng, Chair Professor & Director, e-Manufacturing Research Center at National Cheng Kung University discussed applying AVM and Advanced Manufacturing Cloud of Things (AMCoT) for Wheel Machining Automation. Cheng explained that in order to improve the automation of domestic manufacturing system, especially in the automotive industry, AVM systems should be equipped with functions that can manage the production of different types of wheels. The AVM developed by Prof. Cheng's team has been successfully applied to high-tech semiconductor industries, thus the next goal will focus on applying AVM systems into traditional machine tool industry.



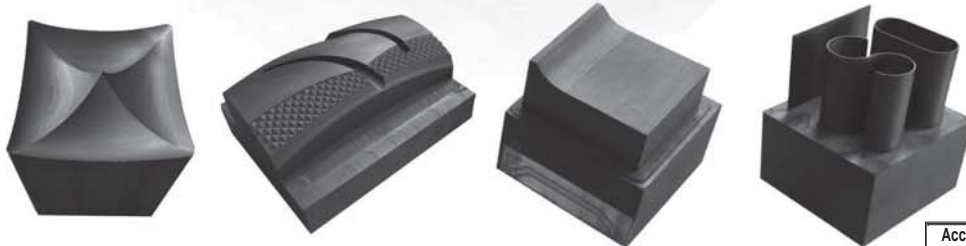
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SUMMIT SPECIAL REPORT

Eckart Mayer, President & CEO of Mercedes-Benz Taiwan spoke about "Industry 4.0 at Mercedes-Benz Cars Operations". He told the audience that as the pioneer of the automobile industry, the company is committed to take a leading role when it comes to smart operations, including 360 degree connectivity, supply chain, digital process chain and agile production systems. Mayer discussed the smart operations focused on five technology fields: digital process chain, continuous, automated digital planning and simulation across the entire value chain for efficient, integrated product and process validation.

Big Data: self-learning and self-optimizing production system 360 degree connectivity: maximum transparency of the entire production rework for decision support and control in real time.

Agile production system: flexible, modular manufacturing systems in the global production network.

Supply chain: transparency on the status of the supply chain and foresight of the future demand for agile End-2-End supply chain management.

In general, the automobile industry is one of the most impacted industries under the strong tide of new technology disruption. It is where all the new technology happens to be tested and experimented – above all digitalization and automation drive the development of new markets. The session of automobile filled the audience with a lot of industry insights that they would take back to their factories and serve customers with more sophisticated knowledge.

Applying digitalization in the Aerospace supply chain

Taiwan is putting extremely strong

efforts in releasing the potential of domestic machine tool manufacturers to realize the goal of building Taiwan-made aircrafts.

The last session of the two-day summit is thus centered on the topic of aerospace supply chain. Experts came together to discuss methods for manufacturers to become more effective in processing of aerospace workpieces, by inserting changes from the machine tool industry.

Shie-Chun Du, Senior Vice President, Aerospace Industrial Development Corporation (AIDC) keynote regarding "Opportunities and Challenges of Taiwan Aviation Industry." Du said, "We are in a highly competitive, growing market, and suppliers play a key role in our market success. Quality, reliability, performance and affordability are crucial. Boeing expects suppliers to partner with us to reach and sustain market leadership, and leverage life-cycle economics."

A huge milestone that AIDC had taken was to sign a cooperation agreement with NARLabs (National Applied Research Laboratories) and Siemens on 'aerospace intelligent machines and smart manufacturing' on March 9th during TIMTOS 2017.

The signing of the agreement signifies a huge leap forward in improving Taiwan aerospace industry's ability in manufacturing, systematic design and technical innovation. It will form a strong team to face the upcoming challenges and changes in the industry.

Du pointed some things to remember: Strong resilient aviation industry growth. Robust long-term growth prospects in a diverse and dynamic market. Competition is intense -- "we need to be ready." He also added that the keys to winning are areas each team can work on every day to help us win in the marketplace.

Mike DiFranco, Group Publisher, GIE Media talked about the U.S Aerospace Supplier Chain. He said that the primary objective of the airline supply-chain is to ensure that the right material is delivered to the right place at the right time. The second objective is to manage the parts procurement and supply-chain function as efficiently as possible. Once these objectives are met, the supply-chain can help reduce costs, increase functionality, and create a source of competitive advantage for the airline. The commercial aviation supply-chain has been feeling the effects of the cost cuts implemented by the airline industry, which experienced low traffic over the last two years. In the United States, there are currently 7,336 aircraft in service with 844 on order. Top suppliers of new aircraft programs are likely to continue thriving, at the cost of maintenance, repair, overhaul (MRO) suppliers and airlines. Companies can resort to inventory management solutions to yield significant improvements in both inventory cost and customer service levels, without having to make any significant changes to the supply-chain.

In addition, aerospace is embracing digitization of business practices. Digitalization is a broad term used to describe the advent and introduction of new technologies that essentially replace old mechanical practices.

The first TIMTOS summit was a fruitful and successful event. Providing participants clear understanding of various management strategies, technologies of the future and the power of digitalization. Now we can certainly expect machine and system builders with fresh ideas for TIMTOS 2019 inspired by the various technologies discussed in the first TIMTOS summit.



Taiwan Winnerstech Machinery Co., Ltd. has established as a job-shop in 1992 in a small town in Taiwan Taichung. After few years' development, our technical teams cover 10 expertise technicians to start the CNC vertical machining centers design, assembly and testing. Up to date, there are over 15 years' professional experiences in the field of doing,

- High Speed Drilling & Tapping Center
- CNC Vertical Machining Center, sizing from 650mm to 2100mm for X-travels

WINNER's VMCs are available for both box-way and linear guide ways. All machine structures are designed for oversized column. The specially increased width on the column bottom, combined with box-way structure (4- box ways available for option), greatly upgrades rigidity and stability during heavy cutting.

Currently, Taiwan Winnerstech produces the machines includes Vertical Machining Center & Tapping Center for both China & overseas market around 300 units monthly.

All the products has been applying for Auto Parts • Motor Car Parts • Die & Mold • Die Casting • Micro Electric Components • Medical Equipments and so on. Their machines are not only sold to Chinese area but also cover world-wide of Germany, Turkey, Spain, Italy, Japan and obtained the customers the affirmation.



Taiwan Winnerstech Machinery Co., Ltd.

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SHOW PHOTOS



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MEDIA COVERAGE



機械業者喊話：國機國造

【本報訊】2017年台北國際工具機展(TIMTOS)3月7至12日將在台北南港展覽館、世貿一、三及四三座國際會議中心舉行。主辦單位外貿協會與機械公會於2月23日辦理展前記者會，預告今年三大展亮點：展覽主題「工業4.0+智慧生產」、新增TIMTOS 2017高峰論壇、外貿協會秘書長張明水表示，今年TIMTOS共有21個國家與地區，總面積達16萬平方公尺，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。機械公會理事長柯建仁指出，2016年台灣機械產值達9,900億元，2017年有國際市場的拉力，加上政府智慧機械列為重點產業，預估年產值成長上看5-10%，躍升台灣第三個兆元產業。呼應產業升級與智慧製造的發展趨勢，今年TIMTOS展覽主題「工業4.0+智慧生產」，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。TIMTOS高峰論壇於3月8、9兩日於台北國際會議中心101會議室舉辦，邀請美國CISCO、NVIDIA、德國SICK、SIEMENS、KUKA等知名企業代表及國內產學界領袖，探討智慧機械、智慧工廠、汽車製造業變革及航空業關鍵供應鏈等四大主題。今年論壇參展廠商，除國內大廠支持外，國外包括德國、瑞士、義大利、芬蘭、美國、日本、南韓及印度等20多個國家參展。海峽兩岸經貿交流協會今年再度與組辦兩岸工具機展，全部外展參展比率近30%。展覽期間，共舉辦30多場創新技術研討會與新品發表會，備受矚目。大會官網：www.timtos.com.tw (李炎卿)

TIMTOS 3/7登場 智慧機械拚商機

聚焦工業4.0+、智慧生產 新增高峰論壇 三大展亮相看頭十足

【本報訊】2017年台北國際工具機展(TIMTOS)3月7至12日將在台北南港展覽館、世貿一、三及四三座國際會議中心舉行。主辦單位外貿協會與機械公會於2月23日辦理展前記者會，預告今年三大展亮點：展覽主題「工業4.0+智慧生產」、新增TIMTOS 2017高峰論壇、外貿協會秘書長張明水表示，今年TIMTOS共有21個國家與地區，總面積達16萬平方公尺，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。機械公會理事長柯建仁指出，2016年台灣機械產值達9,900億元，2017年有國際市場的拉力，加上政府智慧機械列為重點產業，預估年產值成長上看5-10%，躍升台灣第三個兆元產業。呼應產業升級與智慧製造的發展趨勢，今年TIMTOS展覽主題「工業4.0+智慧生產」，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。TIMTOS高峰論壇於3月8、9兩日於台北國際會議中心101會議室舉辦，邀請美國CISCO、NVIDIA、德國SICK、SIEMENS、KUKA等知名企業代表及國內產學界領袖，探討智慧機械、智慧工廠、汽車製造業變革及航空業關鍵供應鏈等四大主題。今年論壇參展廠商，除國內大廠支持外，國外包括德國、瑞士、義大利、芬蘭、美國、日本、南韓及印度等20多個國家參展。海峽兩岸經貿交流協會今年再度與組辦兩岸工具機展，全部外展參展比率近30%。展覽期間，共舉辦30多場創新技術研討會與新品發表會，備受矚目。大會官網：www.timtos.com.tw (李炎卿)

受矚目的「第13屆工具機研發創新產品競賽」，今年有43件綜合加工機、CNC車床、數控工具機及數值控制工具機組別參賽，3月8日將公布得獎名單頒獎。大會官網：www.timtos.com.tw (李炎卿)



Vice President Chen Chien-jen (陳建仁) speaks at the opening ceremony of the 26th Taipei International Machine Tools Show, Tuesday, Mar. 7, Taiwan's exports of machine tools rank fifth globally, and Chen said he hoped that the industry could gross over NTS1 trillion this year, propelling Taiwan into an age of Industry 4.0.



外貿協會秘書長張明水(左)與機械公會理事長柯建仁共同主持TIMTOS展前記者會。(李炎卿/攝影)

智慧機械風潮 廠商展場爭鋒

機械公會副理事長莊大立：業界須先提升性能、精度、可靠度與耐用度

【本報訊】2017年台北國際工具機展(TIMTOS)3月7至12日將在台北南港展覽館、世貿一、三及四三座國際會議中心舉行。主辦單位外貿協會與機械公會於2月23日辦理展前記者會，預告今年三大展亮點：展覽主題「工業4.0+智慧生產」、新增TIMTOS 2017高峰論壇、外貿協會秘書長張明水表示，今年TIMTOS共有21個國家與地區，總面積達16萬平方公尺，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。機械公會理事長柯建仁指出，2016年台灣機械產值達9,900億元，2017年有國際市場的拉力，加上政府智慧機械列為重點產業，預估年產值成長上看5-10%，躍升台灣第三個兆元產業。呼應產業升級與智慧製造的發展趨勢，今年TIMTOS展覽主題「工業4.0+智慧生產」，再度突破歷屆規模，是臺灣最大、亞洲第二、全球第五大工具機專業展，備受全球機械產業矚目。TIMTOS高峰論壇於3月8、9兩日於台北國際會議中心101會議室舉辦，邀請美國CISCO、NVIDIA、德國SICK、SIEMENS、KUKA等知名企業代表及國內產學界領袖，探討智慧機械、智慧工廠、汽車製造業變革及航空業關鍵供應鏈等四大主題。今年論壇參展廠商，除國內大廠支持外，國外包括德國、瑞士、義大利、芬蘭、美國、日本、南韓及印度等20多個國家參展。海峽兩岸經貿交流協會今年再度與組辦兩岸工具機展，全部外展參展比率近30%。展覽期間，共舉辦30多場創新技術研討會與新品發表會，備受矚目。大會官網：www.timtos.com.tw (李炎卿)



國內工具機大廠投入智慧機械與智慧生產等主題，圖為進軍機械展的安姆特自動化成機加工生產線。(莊大立/莊大立)



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工具機展開幕 估接單突破15億美元

【本報台北訊】由中華民國對外貿易發展協會與臺灣機械工業同業公會共同主辦的2017年「台北國際工具機展」(TIMTOS)昨日開幕，吸引了超過10萬人次參觀，估計接單額將突破15億美元。

在開幕典禮上，貿發會副主委陳建仁、機械公會理事長柯拔希、以及多位政府官員與業界代表共同剪綵。陳建仁在致詞時表示，今年工具機展的規模創下歷史新高，不僅展區擴大，參展廠商數量也創下新高，顯示台灣工具機產業的競爭力持續提升。

此外，今年展會還特別增設了「智慧機械」專區，展示了許多最新的智慧製造技術與設備，吸引了不少國際買家前來參觀與洽談。



外貿協會和台灣機械工業同業公會昨天舉行「2017年台北國際工具機展(TIMTOS)」開幕典禮，副總統陳建仁(左五)著智能手臂為活動揭幕。

展會接單熱 商機衝462億

【本報記者宋健生/台北報導】兩年一度的「2017台北國際工具機展」昨日(7日)登場，展會接單熱，商機衝462億。據主辦單位表示，今年展會預計將創下歷史新高，商機總額將達到462億元。

此外，今年展會還特別增設了「智慧機械」專區，展示了許多最新的智慧製造技術與設備，吸引了不少國際買家前來參觀與洽談。

2017年「台北國際工具機展」開展智慧機械引領產業

由中華民國對外貿易發展協會與臺灣機械工業同業公會共同主辦的2017年「台北國際工具機展」(TIMTOS)，於日前在台北南港展覽館1館、台北世貿中心一、三館及圓山爭艷館登場。

兩年舉辦一次的台北國際工具機展，是臺灣規模最大之工具機專業展，也是全球第五大、亞洲第二大工具機展。今年總計1,100家廠商參展，使用5,430個攤位，總展出面積近10萬平方公尺，展覽規模創下歷史最高紀錄，預計吸引超過7,000名國外買主，4萬7,000名國內相關業者前來參觀採購。

在展覽期間，辦理超過30場的創新技術研討會與新產品發表會，以及備受矚目的「第13屆工具機研發創新產品競賽」，展現臺灣工具機業者創新研發成果。

2017年「台北國際工具機展」自即日起至12日，每日上午10時至下午6時，供國內外業者憑名片免費換證進場，一般民眾購票參觀(售票至下午4時，門票每張新臺幣200元)，國內大專院校機械相關系所學生以學生證換證進場，12歲以下兒童謝絕入場。更多展覽資訊，請上展覽官網www.timtos.com.tw查詢。(編輯/詹勝)



以下兒童謝絕入場。更多展覽資訊，請上展覽官網www.timtos.com.tw查詢。(編輯/詹勝)

Thread rolling machines

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INTERNATIONAL EXPERT PERSPECTIVE



Hitoshi Hasegawa, Japan
Managing editor and staff writer
News Digest Publishing Co., Ltd

After spending 4 days at the show, Mr. Hasegawa can strongly feel that the Taiwanese machine builders' determination to invest for the future. "Machine tool manufacturers such as Tongtai has been spending phenomenal effort in R&D, and investing in technology that is less seen at present, e.g. high-end laser cutting technology. Being a pioneer who travels on a path where less manufacturers travel now might be lonely, but this would definitely be rewarding at the end of the day. Especially when moving toward to the high-end machines is a must for Taiwan, I believe it is a encouraging and courageous for Taiwan manufacturers who persist their strength in R&D." Mr. Hasegawa remarked.



Hitoshi Oyama, Japan
Editor
Japan Industrial publishing Co., Ltd
Monthly Journal 'Tool engineer'

It is Mr. Hitoshi's 4th time at TIMTOS. He said he is looking for new technology from Taiwan manufacturers this time. Mr. Hitoshi believes that if the supply chain is shaped like a pyramid, Taiwan would fulfill the middle-end machine markets, while Japan manufacturers supplies the top users. And this fact gives both Taiwanese and Japanese machine tool builders great opportunities, as they have non-clashing strength in machine manufacturing. Taiwan is the best at designing customized machineries, with great resilience while Japan leads edge-cutting technology, and in standardized machinery. Thus, it is possible for the manufacturers from two countries to move forward together.



David J. Wiggins, U.K.
Executive Director
Machinery Market

Mr. Wiggins has been to TIMTOS for 4 times, and he thinks that it is a big move for Taiwan's manufacturing. He said that TIMTOS has always been a huge shop window for Taiwan, and is well known across the globe. "It is my pleasure to be able to take the information back to Britain and share the amazing displays I saw at the show", said Mr. Wiggins.



YalcinGür, Turkey
Mechanical Engineer
MM makinamayin

Mr. Gür said that at TIMTOS this year, it is obvious that Taiwan manufacturers has taken 'strong action', applied the plans and ideas that were around since a few years ago. Thus the show has been very exhilarating for him. He mentioned that the Turkish producers are increasingly looking for Taiwan machine tools and total solutions as Turkey is expanding its manufacturing portion for Europe. He would like to thank TAITRA for this trip, and outstanding organization on the show. "Another success for TIMTOS this year!" said Mr. Gür.

LNDD-T2 with Y-axis 2 Spindles 2 Turrets

42mm, 65mm spindle bores
Siemens 828D or Mitsubishi M80
12-pos + 8-pos Live Turrets



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INTERNATIONAL EXPERT PERSPECTIVE



Hatice Deniz, Turkey
Press & public relations representative
Turkey machine tools industries and
businessmen association

Ms. Deniz said she has been to Taiwan for several times already, and finds its industrial scene very diverse. She is impressed by the great improvement in intelligent machineries this time at the show, she also hopes that there will be a increase in visitors in the future, as it should be seen by more buyers across the globe. She loves Taiwan, calls it her second home, and wish the development of machine tool industry the best.



Martha Carvajal, Columbia
Content Director, Industrial Reporter
Carvajal Información Impres S.A.S.

“Being at TIMTOS 2017 has been an amazing experience! For Reportero Industrial publication, it's very important to see the latest worldwide cutting edge industrial technology and TIMTOS met these expectations. Certainly, the world is following the Industry 4.0 and smart manufacturing trends and TIMTOS 2017 were on top of that.” Martha commented.



Kathryn Gerardino-Elagio, The Philippines
Editor
International Metalworking News
for Asia

Kathryn has been to TIMTOS for the third time, she is impressed with the first-ever summit that's held at TIMTOS this year. “Being able to see how Taiwan is pushing the development of aerospace industry and technology, and in seeing how the industry integrates together for this national goal has been impressive”, said Kathryn.



Shadow Yang, China
Editor
International Metalworking News
for China

Ms. Yang has broadened her aspects on Taiwan's machine tool industry at TIMTOS 2017. She observed that Taiwanese manufacturers are diligent in optimizing their machines, and she believes that this is what differentiates them from the competitors. She attended all of the sessions from TIMTOS summit, and acquired more understanding of where the future of Taiwan's automotive and smart manufacturing is heading. Ms. Yang is also very impressed by the scale and organization of TIMTOS.



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What It Takes to Achieve Excellence

Taiwan Machine Tool Industry Awards for Excellence in Research & Innovation has always been a major event of TIMTOS. To say that it attracted the spotlight of the night of 8th of March is an understatement. Not just the participants of the ceremony, but the entire machinery sector across the nation view the awards ceremony as the phenomenal benchmark that tells us where the industry trends are heading for the next few years.

The products that were shortlisted had to go through several procedures of comprehensive evaluations and comparisons to make it to the final stage. The award ceremony honors pioneers and companies behind reputed machines and technologies. The program recognizes four categories of excellence: Machining Center, CNC lathe, Other NC Machine Tools, Component for CNC Machine Tool, and Other NC Machine tools. This year, the winners from the innovation awards carry even greater significances, the winning products echo the key theme of industrial intelligence, efficiency and originality that TIMTOS 2017 emphasizes.

Each of the winners situated their product designs in order to respond to the renewing manufacturing industry. The



innovations in products are in one way aiming to resolve conventional machining limits or opening possibilities for new technologies to be facilitated in different industrial fields.

The winner of the supreme excellence award YCM NFP500A-5AX-T is designed for applications requesting complex machining, in order to meet the growing demand in aerospace industry. With iPros MX - Intelligent Production Operating System, developed by YCM-university cooperation, it improves functions and efficiency for realizing a multifunctional smart machining center.

The grand champion of Machining Center - Tongtai HTH-800 is a new generation horizontal machining center. It has the features of high rigidity, high strength, and high torque. With Tongtai's intelligent system i-Machine, it successfully reduces complications for operators and reduces operation time by optimizing automated monitoring system, controlling system, maintenance system, and documents.

The grand champion of CNC lathe is Far East Machinery with its Automatic Virtual Metrology System (AVM) for Alloy Wheel Automation Line. This equipment allows the customer to know the status of the line through internet immediately. The company combined vision measurement system with auto-wheel rim production line. Enabled producers to check the work pieces and to modify the tool offset, and adjust the accuracy in the production line.

The grand champion of Other NC machine tools was awarded to SOCO machinery's All Electric Tube Bending Automation Cell SB-52X10A-2S-V-U+ROBOT. This design drastically reduces 50% of manpower needed in the factory. With SOCO's intelligent 3D Software to simulate collision and bending interference, it optimizes production.

Keyarrow is the grand champion in the category of component for CNC machine tool and other NC machine tools. KAH-200 Hinged Belt Type Conveyor's New Hinged Belt design enhanced the hinged belt strength, up to 1.5 times higher than same level product in the market. Besides, the aesthetic design integrated both aesthetic and practicality. It can be accommodated to different machineries, increasing the pragmatic value of this product.



INNOVATION AWARDS

Winners of Taiwan Machine Tools Industry Award 2017 for Excellence in Research and Innovation

ALL CNC MACHINE TOOLS		
Prize	Company	Products
Supreme Excellence Award	Yeong Chin Machinery Industries Co., Ltd.	NFP 500A-5AX-T Smart Multi-tasking Mill/Turn Machining Center
MACHINING CENTER		
Prize	Company	Products
Grand Champion Award	Tongtai Machine & Tool Co., Ltd.	HTH-800Swiveling Head Type Five-Axis Horizontal Machine Center
Award of Eminence	Fair Friend Enterprise Co., Ltd.	U-800 Vertical 5-Mxes Machining Center
Award of Eminence	Ching Hung Machinery & Electric Industrial Co., Ltd.	HM3252L 3-Axis Linear Motor High Speed Milling Center
Award of Eminence	Awea Mechantronic Co., Ltd.	FCV-800S Gantry Type 5-Axis Milling and Turning Machining Centers
CNC LATHE		
Prize	Company	Products
Grand Champion Award	Far East Machinery Co., Ltd.	WVL-F24 Automatic Virtual Metrology System (AVM) for Alloy Wheel Automatic Line
Award of Eminence	L&L Machinery Industry Co., Ltd.	CLB-BC 5-Axis Milling Turning Center
Award of Eminence	Leadwell CNC Machines MFG., Corp.	TW-8M Flexible Intelligent Automation Production Line
Award of Eminence	Yida Precision Machinery Co., Ltd.	HML-600 Sub-Micron Lathe
OTHER NC MACHINE TOOLS		
Prize	Company	Products
Grand Champion Award	SOCO Machinery Co., Ltd.	SB-52x10A-2S-V-U+Robot All Electric Tube Bending Automation Cell
Award of Eminence	Ching Hung Machinery & Electric Industrial Co., Ltd.	AP3020L-Ultra-Precision 3 axis linear motor EDM
Award of Eminence	Excetek Technologies Co., Ltd.	NP600L Intelligent High Precision Linear Motor Wire EDM Machine
Award of Eminence	Luren Precision Co., Ltd.	LGA-3020 Continuous Generating Gear Grinding Machine
COMPONENT FOR CNC MACHINE TOOL OTHER NC MACHINE TOOLS		
Prize	Company	Products
Grand Champion Award	Keyarrow(Taiwan) Co., Ltd.	KAH-200 Hinged Belt Type Conveyor
Award of Eminence	HIWIN Technologies Corp.	RAS-320 Direct Drive CNC Tilting Rotary Table
Award of Eminence	Gifu Enterprise Co., Ltd.	BT5046SS3T Intellectualized Matrix Tool Storage System
Award of Eminence	Habor Precise Inc.	Cryogenic Cooling equipment with CO2 coolant

New Arrival

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PRODUCT REVIEW

5-Axis Linear Motor Machine (CHEM 1625)



The Integrated Gantry Type 5-Axis Linear Motor Machine (CHEM 1625) with the capabilities of simultaneous 5-axis milling and high-speed, high-precision cutting. Moreover, the grease lubrication system for 5 axes and spindle can avoid the workpiece being polluted, this machine is ideal for machining on metal and nonmetal materials. Intuitive parameter setting makes the operation easier for users.

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NFP500A-5AX-T 5-axis Mill/Turn Machining Center



NFP500A-5AX-T, an Intelligent 5-axis Multi-tasking Mill/Turn Machining Center, combines YCM-made "iPros MX" Intelligent Production Operating System, presenting the concept of hardware and software integration. With high rigidity columns and high torque 5-axis table design, together with exclusive cooling technology, NFP500A-5AX-T can meet demands of high-precision and high durability. Also, the "iPros MX" Intelligent Production Operating System, provides user-friendly interface to help customers increase production capacity, shorten development time, and enhance enterprises competitiveness.

Yeong Chin Machinery Industries Co., Ltd.

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E-mail: sales@ycmcnc.com
Website: www.YCMCNC.com

HCP-42 Multitasking CNC Lathe



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FX-800 Twin Spindle Twin Turret Turning Center



The robust construction of this machine's bed structure combines high rigidity and tightly controlled thermal characteristics which are further reinforced by the rigidity of the linear guideway on the Z-axis and the box guide ways on the X- and Y-axes to give superior shock absorbing capacity during the turning process. Both the upper and lower turrets have 16 stations and are designed to widen the space between tools to minimize tool interference. A bigger coupling on the turret is again designed to enhance rigidity. Built in spindle motors increase power performance on each servo axis. Upgraded milling drive motors allow greater tool options and milling capacity. The outcome is a highly accurate, fast and cost effective machine for production of complex components.

Taiwan Takisawa Technology Co., Ltd

Fax: +886-3-4643674
Tel: +886-3-4643166
Website: www.takisawa.com.tw

HGT-2316 Traveling Column High Speed Machining Center



The HGT-2316 traveling column high speed graphite cutting machining center has a high efficiency powder dust collector during machining graphite/composite material. The powder dusts generated can be absorbed and collected by the dust collector. The machine has 5HP motor. The graphite

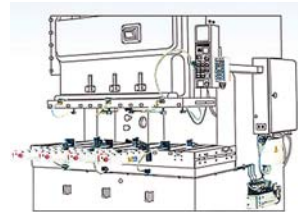
powder, which can be pulled out from front side for convenience in cleaning.

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Built-in motor spindle: MVB1318A

Kenturn's manufacturing spindle can fulfill the coolant of axis.



It could also inhibit heat and assist thermal deformation by using the German's original OTT HSK-A63 drawbar system. Besides, the oil-air lubricating bearings can stand long-term cutting operations. The motor power of the spindle is up to 25KW, while speed reaches 18000 RPM. By using dual drive chunk, the spindles can be used in vertical machining centers and medium gantry machine.

Kenturn Nano. Tec. Co., Ltd.

Tel: +886-4-7910271
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E-mail: cnc-spindle@kenturn.com.tw
Website: www.kenturn.com.tw

PRODUCT REVIEW

CBD RUBBER COLLET CHUCK



The clamping push with the backgauge block mechanism, collet will not be pushed. Precise positioning of workpiece length, makes the length control more precise. The match autogrip rubber collet's clamping direction perpendicular to axis, never push workpiece. The backgauge block and cover can be interchangeable, and chip-proof function.

Autogrip Machinery Company Ltd.

Tel: +886-4-822-8719
Fax: +886-4-823-5719
E-mail: sales@autogrip.com.tw
Website: http://www.autogrip.com.tw



Candle Filter

Candle Filter is a high-precision Coolant Filtration System. It is highly automated, and suitable to be applied in industries such as automobile and

precision manufacturing - such as grinders as well as cutting tools. The candle filter can automatically filter grinding oil, control temperature, clean contaminants, and backflush. Filter elements need no replacement and maintenance given the new filter technology/materials we developed. The system ensures quality of tools, such as tungsten carbide, and prolongs machine tools' life.

Uni Magnetic Industrial Co., Ltd

Tel: +886-4-7810900
Fax: +886-4-7810901
Website: www.unimag.com.tw

QH-400A High Speed Horizontal Machining Center

QH-400A High Speed Horizontal Machining Center designed specifically for small parts, suitable for machining hardware and automotive parts. Automatic Pallet Changer with high speed tool changer to shorten machining time and increase working efficiency. The precision tapered orientation to ensure the stability of pallet changing. The spindle with short nose design achieved an optimal structure,

making it easily for deep holes processing.

MASTER AUTOMATIC CO., LTD.

Tel: +886-4-25250480
Fax: +886-4-25257747
E-mail: sales@macocnc.com
Website: www.macocnc.com



Servo Mechanical Tandem Line

Lien Chieh's [Servo Mechanical Tandem Line], Tonnage: 2400 to 1000 tons, Bolster Area: 5,000 x 2,500 mm, applied in the automobile sheetmetal industry. It was designed to overcome the limits in traditional hydraulic presses - slow, difficult to maintain and so on. Thus, for the first time the company created the first Servo Mechanical Tandem Line.



Lien Chieh Machinery Co., Ltd.

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全系列伺服馬達

SOLPOWER SERVO MOTORS

SVM系列 (IP54)感應伺服器馬達

Compact Asynchronous motors Quick positioning. High torque moment.

產品特性

定位快速、精準、瞬間扭力大、低慣量設計、反應靈敏、高精度製程設計、符合您精密機械的需求。



DD馬達 第四、五輪機構 · 內藏式主軸定轉子

Rotor & Stator (ER16, ER20, ISO250, BT30, BT40, P.C.B...等) / (100NT-M, 200NT-M...等)

產品特性

定轉子特性媲美進口產品，規格參數齊全，適合各廠牌驅動器、控制器、規格產品齊全，亦可訂製。



SVMA系列 (IP23)感應伺服器馬達

(IP23) Compact Asynchronous motors Quick positioning. High torque moment. Efficient cooling

產品特性

定位快速、精準、瞬間扭力大、低慣量設計、反應靈敏、高效率冷卻設計、抗圖波線圈、高精度製程設計、符合您精密機械的需求。



LINEAR MOTOR 線性馬達

The ironcore design for the higher efficiency of linear motor, and the higher speed and positioning accuracy than ball screw.

產品特性

有鐵心設計提高線性馬達效率。高效率的冷卻系統及較高的佔槽率大大提高線性馬達的功率體積比。



SPMA系列 同步伺服器馬達

Compact Synchronous motors Good speed control & torque control.

產品特性

高精度、低慣量設計、反應靈敏、速度控制、位置控制、轉矩控制、特性優越符合您精密機械的需求。



DDM系列 直驅伺服器馬達

Suits injection molders, die-casting machines, machine tools, escalators, elevators, printers and industrial machines that require low speed, high-torque drive.

產品特性

取代減速機構，節約設備成本，噪音低、效率高、低速度高扭力，提高控制精度，提升產品品質。

晟昌機電股份有限公司 CHENG CHANG MACHINE ELECTRONIC CORP.

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廈門晟勝數控設備有限公司 XIAMEN CHENGSHENG NC EQUIPMENT CO., LTD.

廈門同安區金富路100號B棟3樓東側郵箱361100 | TEL: 86-592-7191900 | FAX: 86-592-7191961
No.100, B Building 3rd Floor East Side, Jin-Fu Road, Tong-An District, Xiamen City, 361100



Sol power@solpower.com.tw
Sol power@mea.hinet.net

PRODUCT REVIEW

TPRK High Pressure Multi-Stage Centrifugal Pump



TPRK and TPMK. TPRK is High pressure multi-stage centrifugal pump applies to industrial, and it has inverter system that upgraded pump's performance. TPMK-SK is Stainless Multi-Stage Centrifugal Pump, and it is honored by 1st Taiwan Excellent Motor Awards. Motors are IE3 and IE4 designed by Walrus Pump, they are Energy efficient with better pump performance.

WALRUS PUMP CO., LTD.

Tel: +886-2-2636-1123 / 04-2560-9111
Fax: +886-2-8635-2660 / 04-2560-9222
E-mail: service@walrus.com.tw
Website: www.walruspump.com

SANDSUN Mold Changer System

SANDSUN Mold Changer System is for injection molding machine, press machine, and hydraulic press machine. The system can shorten operation time of mold change; auto position checking of mold



changer moving; automatically check the stroke of mold open, arrival and positioning in the process of mold move-in; and can prevent mold sliding.

Sandsun Precision Machinery Co., Ltd.

Tel: +886-4-8536688
Fax: +886-4-8536699
E-mail: sa3@sandsun.com.tw
Website: www.sandsun.com.tw

EMS Built-in motor engraving spindle

EMS Built-in motor engraving spindle from Posa Machinery Co., Ltd is especially designed for high speed engraving, milling, and high rigidity tapping. With high accuracy, low noise, maximum speed 30,000 RPM, and 7.5 kW motor power, this spindle can achieve high torque output. In addition, EMS Built-in motor engraving spindle is equipped with ATC, clamping and unclamping detecting signals and grease type lubrication to reduce



environmental pollution and the cost of the lubrication design.

POSA MACHINERY CO., LTD.

Tel: +886-4-2213-5988
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E-mail: posa.posa@msa.hinet.net
Website: www.posa-spindle.com

DEES Tandem Press Line

DEES Hydraulic offers best quality of hydraulic presses to automotive Industries for manufacturing body panels, chassises and car parts with capacity of 10 to 6000 tons which the largest bolsters size reaches 13 meters in length. In left photo, it is 2000 tons tandem press line with YASKAWA Robotics, Left & right moving bolsters are an efficient tool for exchanging heavy dies.



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