



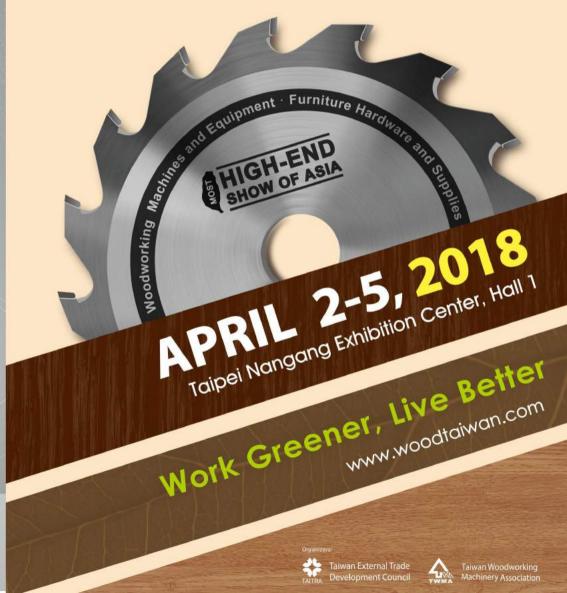
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Show Preview





HIPOINT ASSIST CREATING PARAGON FURNITURE 創造極致典範的親密夥伴 APPROVED關證論格





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DOUBLE END TENONER 雙端作榫機



H-CLASS >

DET-26-3200H DOUBLE END TENONER 雙端作榫機





L-CLASS

DET-1300-L12MS

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DLP-400CS2 >

TOP BELT TYPE DOUBLE SIDED **EDGE BANDING MACHINE**

上樑皮帶式雙邊自動貼邊修邊機

PVC、木薄片及木貼邊,具預銑及剖槽功能,厚度可達0.4-8mm For PVC · veneer · wood lipping with pre-milling and grooving function. Edging thickness: 0.4-8 mm.





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NO. 288-3, Sec. 1, Dafong Rd., Tantzu Dist., Taichung 42756, Taiwan Tel.: +886-4-2568-8555 · 2534-9000 Fax: +886-4-2534-9160 AUTOMATION & WOODWORKING MACHINES

洪業有限公司 副 造 極 致 典 範 的 親 密 夥 伴

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5-Axis CNC, Log House Automated Production Line CNC 六軸木屋自動化生產線

Patented product 專利產品



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TAITRA (Taiwan External Trade Development Council) www.woodtaiwan.com woodtaiwan@taitra.org.tw

Woodworking & Furniture Digest (WFD / interw www.interwood.tw woodwork@ms14.hinet.net

Editor: Interwood

Show Name:

Taiwan Int'l Woodworking Machinery Show (Wood Taiwan 2018)

Fact Sheet

Show Date and Time:

April 2-5, 2018 (10 a.m. - 6 p.m.)

Venue:

Taipei Nangan Exhibition Center, Hall 1 (4th floor) No.1, Jingmao 2 Rd., Nangang District, Taipei City 11568, Taiwan (R.O.C)

Admission

- Visitor's badge for admission will be issued free of charge to professional visitors (buyers), through:
 - registering with business cards at the Registration Counter at the exhibition center
- ▶ pre-registering through "Visitors Registration" at www.woodtaiwan.com
- Pre-registered buyers may obtain one free copy of Official Directory and Souvenirs (limited offer) at the Pre-registration Counter.
- *Minors under 12 are not admitted.

Exhibits:

- · Machines & Equipments for Primary Processing
- Production of Veneer & Plywood, Sawmilling, ect.
- Machines & Equipment for Secondary Processing
- Sawing, Planing, Moulding, Turning, Edge Banding, Finger Jointing, Boring, Tenoning, Mortising, Sanding, Machining, ect.
- Machines & Equipment for Surface Finishing
- Machines & Equipment for Special Processes
- * Machines & Equipment for Special Product Groups
- . Machines & Equipment for Maintenance of Tools
- Tools and Auxiliaries
- Extraction Equipment
- · Woodworking Machinery Components
- Automation Technology

Gross Space:

10,000 SQM

Exhibition Scale (projected):

167 Exhibitors with 1.076 Booths Total Number of Visitors: 6,400

Events and Programs:

- ◆ Opening Ceremony
 ◆ Best Design & Excellence Awards
- ◆ Buyers' Night
- ♦ 1-1 Procurement Meetings
- ◆ Conferences

OFFICIAL DIRECTORY:

Official Directory is for sale at NT\$200 per copy at the reception counter during the show or in the TAITRA Bookstore after the show.

Organizers:

Taiwan External Trade Development Council (TAITRA) Taiwan Woodworking Machinery Association (TWMA)

Hotel List:

To provide better services for visitors, TAITRA offers special rates for accomodations during Wood Taiwan 2018. Please refer to the hotel list below or on our website.

Hotel			
Brother Hotel	www.brotherhotel.com.tw	reservation@brotherhotel.com.tw	02-2712-3456
Courtyard Taipei	www.marriott.com/hotels/ travel/tpecy-courtyard-taipei	rsvn@sunworlddynastry.com.tw	02-6615-6560
Evergreen Laurel Hotel (Taipei)	www.evergreen-hotels.com	elhtpe@evergreen-hotels.com	02-2501-9988
Gala Hotel	www.galahotel.com.tw	galahtl@ms18.hinet.net	02-2541-5511
Gloria Prince Hotel Taipei	www.gloriahotel.com	hotel@gloriahotel.com	02-2581-8111
HOME HOTEL DAAN	www.homehotel.com.tw/ daan.php	reservation-daan@homehotel.com.tw	02-8773-9000
HOTEL QUOTE Taipei	www.hotel-quote.com	reservation@hotel-quote.com	02-2175-5588
Hotel Eclat Taipei	www.eclathotels.com/taipei/	resvtp@eclathotels.com	02-2784-8888
PACIFIC BUSINESS HOTEL	www.businesscenter.com.tw	pbc.taipei@msa.hinet.net	02-8780-8000
Palais de Chine Hotel	www.palaisedechinehotel.com	pdc.respalais@ldchotels.com	02-2181-9999

Hotel			
Royal Seasons Hotel-Nanjing W.	www.royalseasons.com	rsvn.tp.nw@royalseasons.com	02-2555-4288
SHERATON GRANDE TAIPEI HOTEL	www.sheraton-taipei.com	sheraton@sheratongrandetaipei.com.tw	02-2321-5511
Shangri-la's Far Eastern Plaza Hotel, Taipei	www.shangri-la.com/en/ property/taipei/ fareasternplaza	tpe@shangri-la.com	02-2378-8888
The Grand Hotel	www.grand-hotel.org	reservations@grand-hotel.org	02-2886-8888
The Riviera Hotel Taipei	www.rivierataipei.com	rivbook@rivierataipei.com	02-2585-3258



Welcome to Wood Taiwan 2018!



Dear friend.

On behalf of the organizers, we would like to extend our warmest welcome to you to 2018 Taiwan International Woodworking Machinery Show (Wood Taiwan), which will be unveiled at Taipei Nangang Exhibition Center, Hall 1 from Apr. 2 to 5, 2018. This exclusive trade show joins 167 exhibitors from home and abroad that use 1,076 booths to present their latest woodworking machinery.

Being the 4th largest woodworking machinery exporter in the world, Taiwan offers not only competitively priced, but also high-quality and high-efficiency machines and equipment. Moreover, with syndicated supply chain and

decades of skill and experience, Taiwanese woodworking machinery manufactures are able to fulfill urgent orders and deliver customized products.

As the concept of Industry 4.0 is driving the global industry to a new era of smart manufacturing, Taiwanese woodworking machinery manufactures is incorporating automation technology, intelligent control system, sensor, big data analysis and IoT, etc. to produce smart machines or production lines to meet market demands.

Wood Taiwan 2018 gathers elite makers and world-renowned brands from Taiwan, Germany, Italy, France, Switzerland, the United States, Japan and China. You will be able to see a full array of automated equipment, critical components and smart machines that provide the most effective solutions to minimize errors, reduce costs and increase production efficiency.

In addition to its well-rounded exhibits. Wood Taiwan 2018 is packed with abundant activities, including the first ever Wood Taiwan Summit, procurement meetings, DIY craftsmanship workshop, seminars, welcome party and innovation awards ceremony.

All the rich exhibits and featured events will surely make your visit full of business prospect and pleasure. Wood Taiwan 2018 is an Asia's leading woodworking machinery sourcing platform that you must-visit.

Enjoy the show and have a great stay in Taipeil

Sincerely yours,





Time is fleeting, 2018 Taiwan International Woodworking Machinery Show (Wood Taiwan) is coming.

The government strived to promote the ecological system of Taiwan's Smart Machinery Industry. Based in Taichung, in order to connect to the whole world, our government planned to make Central Taiwan becoming a global capital for smart machinery. The project coordinated and reorganized Central Government and local resources in order to promote and implement through following four strategies: Build a smart machinery hub, Deepen and strengthen the developments of smart machinery products and technology; Accelerate innovation by implementing and integrating smart machinery in the industries and Connect internationally. This will not only boost the industrialization of Taiwan's smart machinery, but also advance the comprehensive application of intelligent machinery for all industries of Taiwan.

The machinery which made by Taiwan can be seen frequently in the international exhibitions all over the world. This has increased the visibility of Taiwanese products in the world, also gave customers a chance to see the inscription of "TAIWAN", recognize Taiwan made products, and furthermore to get acquainted themselves with the excellent quality of product made from Taiwan. Welcome all the professionals and companies around the world to participate this event, to be the witness of the high quality of Made in Taiwan Products.

Michael Chang

Taiwan Woodworking Machinery Association

Why **You Should Visit Wood Taiwan 2018**

Wood Taiwan 2018 is the place for ...

Finding out why Taiwan is the world's 4th largest exporter of woodworking machinery

Seeing how Taiwanese woodworking machine are integrated with sensors, robots, control systems and IoT technology for complex and smart manufacturing.

Aquiring energy-saving, high precision and intelligent machines and equipment.

Discovering turnkey solutions that optimize the use of resources and manage costs to boost production efficiency and product quality.

Connecting with ideal suppliers from Taiwan, Italy, Germany, Switzerland and more to explore cross-national business opportunities.

Learning the latest market trends, products and technologies in the first ever Wood Taiwan Summit and seminars.

Full Alignment of Woodworking Machinery

Wood Taiwan presents a full list of machinery and automated equipment for ease of operation, cutting stability, and easy assembly. Exhibits include sawing, moulding, planning finger joining, edge bending, tenoning, polishing, buffing, dust collecting, surfacing finishing to portable machines and much more!

Sign Up Today

Pre-register now to participate in Wood Taiwan 2018, one of Asia's leading sourcing platform for woodworking machines, equipment and solutions.



Pre-register by scanning the QR Code or visiting www.woodtaiwan.com_to receive:

- Free Entry Badge
- Free Official Directory
- Souvenirs (limited offer)

Wood Taiwan 2018

Wood Taiwan 2018 (Taiwan International Woodworking Machinery Show) will have a grand open in April. During the 3 years preperation, Taiwanese woodworking machienry are smarter and have advanced in automation. More than one hundred Taiwanese woodworking machinery manufacturers are gearing up to show their products in the triennial international event.



The Chairman of TWMA Mr. Michael Chang said. "this exhibition has always been one of the most iconic professional woodworking machine exhibition in Asia. This year, the theme will be "Intelligence" and "Integration". Driven by the trend of Internet of Things and Big Data in these years, Taiwanese woodworking machinery manufacturers have developed, upgraded quality and services. and added one more element "intelligence" that make Taiwanese machinery smarter and more automatic."

Chairman Chang took an example, "It's like the machine got a brain, after the smart machine is turned on, during the work process from raw material to any step, it monitors and detects any issues and warns before the problems occur. Diagnosing and alerting where the problem is. There's no need to wait till the issues occur or stop the machine to check and affect the producing efficiency. On the other side, automation reduces manpower and time to adjust the machines. The overall cost will also be reduce."

This year, there are more than 140 Taiwanese exhibitors participating in the event. Plus Germany, Italy, Australia, South Korea and other international manufacturers, are eager to sign up and join



Michael Chang, Chairman of TWMA

"Despite strong competition from China, Taiwan's woodworking machinery industry dropped from third place to fourth place in the world ranking. However, the output value of exports did not decrease, but increased by 15.8% in 2017 high as 20.8 billion NTD". "Although the scale of Taiwanese woodworking machinery is not big, Taiwanese products offers better quality, with high CP, low non-performing rate and great services".

The second phase is emphasizing on the integration of the production line, as well as the whole plant output. Such as the production of floor, cabinets, tables and chairs and other products. The production lines are well-designed for buyers. Buyers do not need to shop separately.

Taiwan woodworking machinery industry has more than 50 years of experiences. In recent years, the second generation are "taking over the baton" in the industry, bringing new vitality and energy, easily seen with the changes of the exhibition organized by TWMA. Changes ranging from domestic and international companies are invited to participate in these event, excellent products and design competition, forum themes and quest speakers. and "Smart Machinery Capital Planning". "Centre of Woodwork Technology and Innovation" is invited to participate in the exhibition, as well as teachers and students from all mechanical, electrical and electronics related departments.



Joe Chang. Chairman of TWMA

Mr. Joe Chang, general manager and the second generation of Kuang Yung Machinery Co., Ltd., also the standing director of TWMA, is in charge of the events during Wood Taiwan 2018. He said, "this year, there are 2 main subjects for the forums. One of them is the trend of eco-life furniture. We invited the wooden structure technology authority from Australia to talk about Cross-Laminated-Timber (CLT). CLT emphasizes the replacement of cement with wood structure, such as housing or large public buildings, in order to achieve the role of energy saving carbon reduction. Taiwanese woodworking machinery manufacturers are specialized in solid wood. This trend is good news for Taiwanese manufacturers and very important to take the chance to learn and understand it."

Mr. Joe Chang continued and mention the other forum is "The Trend of Smart Machines". Where they invited the biggest woodworking machinery group "HOMAG" as quest speaker. Speaking about Industrial 4.0 and how to use the system to reach efficient production for customize and small amount production. "Taiwan woodworking machinery industry is facing an important turning point. In the future if we don't change according to the market, grasp the trend of small amount and variety production, manage factory with scientific and data management, rapid quotation and delivery, we might be eliminate. And we hope to spread the message through the Taipei international exhibition.

Lead by Taiwan Woodworking Machinery Manufacturers Association, "Wood Taiwan 2018" made a number of changes. First of all is a bold change in the exhibition date from early July to April 2-5. The date is right after the world's largest woodworking machinery exhibition in Guangzhou, China. It would be easier for international buyers to attend afterwards due to the location convenience.



the standing director of TWMA

Mr. Ian Chang, the standing director of TWMA said, "In order to attract more buyers to visit, TWMA cooperated with TAITRA to promote the exhibition through their overseas offices. TWMA also invited members of Vietnam, Malaysia, and Indonesia furniture associations to visit". Mr. Chang thinks. "Taiwan's woodworking machinery industry has accumulated five or six decades of energy. In the development of new models, or product upgrades,



focus on high-end niche products. I believe there is still much room for development. Therefore, during the event, there's a special area to display 3D videos and showcase Taiwan products."

"Excellent Product Competition" will be held during the exhibition. This year, the number of judges will increase from 5 to 7 people, emphasizing on product innovation. Judging criteria also has been modified, adding "marketability" and "integration" to the category with "practicality", " preciseness" and "safety". Mr. Joe Chang said, "Taiwan woodworking machinery is good as a standalone, however, machinery integration system is the future trend. In the past, the machines corresponded to a single set of codes, making it very difficult to connect to each other in series. These day now requires the ability to link with other machines, with good design and appealing appearance."

Over 80% of Taiwan's woodworking machinery manufacturers are in Taichung city. For decades, manufacturers have adhered to Taiwan. Export value ranks the fourth in the world and is an important industry in the central region. Therefore, the Taichung City Government, in particular, set up an exhibition area of "Smart Machinery Capital" to show its determination to develop into a smart machinery city in the future.

Director of COWTAI, Professor Ming-Jing Yang said the exhibition will feature 5 Good. "Good Fun". "Good Art", "Good Wood", "Good Heart", and "Good Talk". The exhibition areas are Products, Boards, Experience, Leisure and Service. Products "Good Fun" will display Taiwan wooden toys, "Good Art" will display Lacquer art from Taiwan Fengyuan District, "Good Wood" will display products made

with Taiwan wood, designed and manufactured by COWTAL Boards area will introduce the history. target and mission of COWTAI. Experience area will allow visitors to make wooden toys.



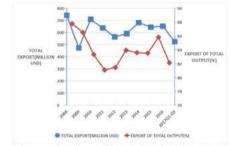
Finally, the Leisure location will have tables and chairs made from Taiwan fir to allow visitors to sit down, relax and have an open dialogue and discussion with each other. These modular tables and chairs can be arranged and combine for different needs and functions. Coffee and water will be provided at the Leisure location, allowing visitors to rest, meet with foreign buyers and customers and also can be used as a social gathering places.



Taiwan is one of the key players in exporting woodworking machineries. Total export reached 524 million USD in the first three quarters in 2017, a 7.6% YOY growth from 2016.

According to the United Nations Commodity Trade Statistics Database, global woodworking machineries export value reached 9.1 billion in 2016. Despite being a relative small nation compared to other major players in the market, Taiwan is the fourth largest exporter in woodworking machinery Industry. Its total export value reached 524 million USD in the first three quarters in 2017, a 7.6% YOY growth from 2016.

Taiwan woodworking machinery industry is export oriented. Over 80% of its output is exported around the world. In 2017, the robustness in US housing market continued to sustain the demand of woodworking machinery from Taiwanese manufacturers. China, on the other hand, was experiencing a rise in the market for customized furniture, combining with recent import expansion policy, creating a higher demand for high-end woodworking machinery.



Taiwan woodworking machinery industry's total export and export of total output (Source: Taiwan Industry Economics Services, 2018)

Apart from the global market change. Taiwan woodworking machinery Industry continues to move up the value chain through deepening collaboration with government, local technology research institutes and universities. Taiwan woodworking machinery industry is able to incorporate Taiwan's strength in ICT and automation technologies to develop and produce fully automated lines. The aim is to further reduce unit labour cost while increasing productivity by providing a "turn-key solution" to customers.



US accounted for 42% of total export market for Taiwan woodworking machinery industry following by 15% in China in 2016

Benefited from the housing market, US continues to be the largest export market for Taiwan woodworking machinery industry., In 2016 and the first three quarter of 2017. US export market share further increased to more than 40%. Total export value to US market reached 275 million USD in 2016, the highest after 2008 economic crisis.

On the other hand. Taiwan woodworking machines export to China, the second largest export market, decreased to 99 million USD and its share to 15.17% in 2016, both figures were the lowest after the economic crisis. However, the first three guarters in 2017 indicated a comeback from the market with 92 million USD export value, possibly, in response to the upward demand in customized future market.

No.3-5 export markets in 2016 were Vietnam 48 million (7.4%), Canada 31 million (4.75%) and Germany 19 million (2.94%) respectively.

The share and value of top five export markets for Taiwan woodworking machinery industry during 2008-2017(Q1-3) (million USD/%)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
No.1	US	US	China	China	US	US	US	US	US	US
	215	145	260	205	167	205	246	243	275	215
	29.01%	30.78%	36.76%	32.24%	29.59%	34.78%	36.11%	37.76%	42.22%	41.07%
	China	China	US	US	China	China	China	China	China	China
No.2	166	114	157	142	128	117	149	106	99	92
	22.34%	24.10%	22.11%	22.23%	22.68%	19.82%	21.81%	16.48%	15.17%	17.59%
	Canada	Canada	Canada	Canada	Vietnam	Vietnam	Vietnam	Vietnam	Vietnam	Vietnam
No.3	46	31	40	31	26	31	35	44	48	32
	6.17%	6.50%	5.60%	4.89%	4.67%	5.26%	5.20%	6.89%	7.40%	6.15%
	Vietnam	Vietnam	Vietnam	Vietnam	Canada	Canada	Canada	Canada	Canada	Canada
No.4	40	27	37	29	25	25	30	32	31	25
	5.34%	5.80%	5.18%	4.58%	4.46%	4.22%	4.36%	5.05%	4.75%	4.81%
No.5	Germany	Germany	Germany	Germany	Malaysia	Malaysia	Malaysia	Malaysia	Malaysia	Malaysia
	33	24	30	27	20	24	24	21	19	19
	4.50%	5.01%	4.20%	4.32%	3.59%	3.99%	3.49%	3.29%	2.94%	3.58%

(Source: Taiwan Industry Economics Services, 2018)





In terms of export products, according to the data released by the Bureau of Foreign Trade in Taiwan, top three export woodworking machinery categorie are "Sawing machines"." Planing, milling or moulding (by cutting) machines", and " Grinding, sanding or polishing machine".

These three categories add up to almost 60% of total export in 2016. Sawing machines category accounts for 38,58% of total export along or 251 million USD in export value, a 8% growth from

The share and value of total export woodworking machines by product categories during 2008-2017(Q1-3) (million USD/%)

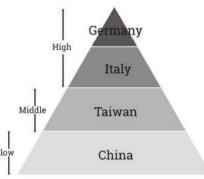
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Sawing	190	127	163	143	152	192	239	232	251	192
machines	25.64%	26.92%	23.06%	22.46%	27.02%	32.55%	35.14%	36.10%	38.58%	36.64%
Planing, milling or moulding (by	59	36	56	56	54	59	65	2	76	64
cutting) machines	7.95%	7.56%	7.85%	8.83%	9.63%	9.96%	9.55%	11.25%	11.69%	12.15%
Grinding, sanding or polishing machines	72	36	63	74	57	56	55	52	53	48
	9.68%	7.55%	8.88%	11.64%	10.12%	9.41%	8.03%	8.13%	8.17%	9.24%
Bending or	11	7	14	12	10	12	15	13	9	6
assembling machines	1.51%	1.44%	1.92%	1.88%	1.74%	2.06%	2.21%	2.01%	1.31%	1.22%
Drilling or morticing machines	0.44	0.26	1.04	0.59	0.34	0.35	0.59	0.38	0.37	0.29
macinies	6.00%	5.49%	14.71%	9.23%	6.09%	5.88%	8.71%	5.89%	5.63%	5.60%
Splitting, slicing or	17	14	20	16	19	17	15	15	14	12
paring machines	2.31%	2.99%	2.80%	2.54%	3.43%	2.89%	2.23%	2.39%	2.09%	2.31%
Lathes,	8	8	9	6	7	7	7	7	6	6
woodworking	1.02%	1.64%	1.24%	0.98%	1.16%	1.11%	0.99%	1.15%	0.90%	1.06%
Other woodworking machineries, parts and accessories	340	219	280	270	230	213	226	213	206	166
	45.89%	46.43%	39.53%	42.44%	40.81%	36.14%	33.14%	33.08%	31.63%	31.76%

(Source: Taiwan Industry Economics Services, 2018)

W-Team |

New Era of Taiwan Woodworking Machinery





Taiwan has around 263 woodworking machinery manufacturers: Over 80% are having export business: And over 80% of companies are located in central of Taiwan, especially in Fengyuang and Shengang. Around 200 manufacturers has operated over 10 years. 30 manufacturers over 20 years. Total number of employees are around 5,000 people. Manufacturers can acquire product components in short time, which is a huge advantage of Taiwan woodworking machinery industry. Figure 2 shows the output of Taiwan woodworking machinery industry during 2012 to 2016.



From the database of Custom Administration of Taiwan, the total export amount of Taiwan woodworking machinery during January to October in 2016 is 432.755 U.S. dollars, which decreased 3.6% compared with the same period in 2015. The top 5 woodworking machines are "sawing machine", "lathe", "planer, milling, or molding machine", "grinder, sander, or polishing machine". "boring or mortising machine".

The top 5 export market of Taiwan woodworking machinery are United States, China, Vietnam, Canada, and Thailand. Compared with 2015, market in United States grows 6.1%, China drops 16%, Vietnam grows 13.1%, Canada drops 7%, and 12.6% drops in Thailand. U.S. economy recovery bring back the demand of woodworking machinery. However the RMB depreciation, import substitution policy of China, weak performance of China economy, and the impact from restrict control of timber harvesting from Indonesia government, makes the poor demand of Taiwan woodworking machine. Good news are the continuous positive effect from increasing manufacturing jobs in United States and the recovery of global economy bringing the growth of consumer market. Thus the growth of Taiwan woodworking machinery export is expected.



Challenges of Taiwan Woodworking Machinery Industry

It has been decades for development of Taiwan woodworking machinery industry, which has created significant market base in global market. However, standalone machines are still Taiwanese manufacturers' main products; It becomes challenging for companies to compete alone with foreign competitors, who have developed automatic production line and occupied higher market segments. Automation has become the trend recent year due to the increasing wage from China and Southeast Asia. Market leading companies from Germany and Italy has actually already developed automatic production line.

Taiwan government is aware of the difficulty and challenging of woodworking machinery industry, thus more subsidy and resources are inputted recent years. Aiming to transform and upgrade Taiwan woodworking machinery industry, providing automatic production line solutions. Also, it is a method to support woodworking manufacturers transforming their business model from standalone to whole line production, building the foundation for future competition.

W-Team - New Era of Taiwan Woodworking Machinery

Since 2013, guided by IDB (Industry Development Bureau, Ministry of Economic Affairs), implemented by TWMA (Taiwan Woodworking Machinery Association), tutored by PMC (Precision Machinery Research & Development Center), woodworking manufacturers has completed 10 production lines. which are W-Team 1 to 10. Three lines made in 2016 has been sold; Two lines will be installed in middle Taiwan, including W-Team 8, "timber frame processing line", and W-Team 9, "wood hanger

W-Team 8 - "Timber Frame Processing Line"

The multi-functional 6-axes timber frame CNC. modular CAM software, automatic front and back end feeding equipment, barcode spray finishing machine, and wood defect detection system are integrated as timber frame processing line. With the application of defect detection system, defect, for instance, knots, dead knots, and crack, can be found by the system, replacing human's blind spots. Which can increase the rate of wood utilization.

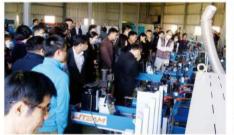
W-Team 8 Timber Frame Processing Line Maximum available size: length: 5,000mm / width: 650mm / height: 250mm Minimum available size: length: 1,500mm / width: 90mm / height: 150mm Production Capability: 30mins / 3 pieces Yield: Over 90%

W-Team 9 - "Wood Hanger Automatic Production Line"

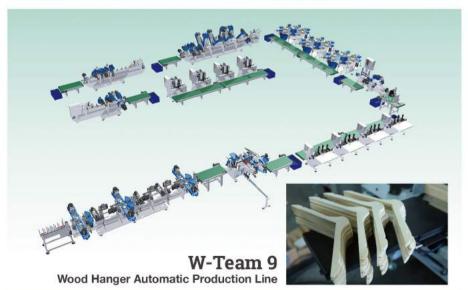
Based on the functions from double-sided sanding roller, cutting and forming press, wood hanger assembling machine and belt sander, the production line integrates 19 processing steps to 9 functions into single equipment with one production process, which uses 9 stations and 17 processing equipments achieving automatic manufacturing. The production line reduce labor cost and increase capability. Floor area is 32.1m x 19.2m. Yield is more than 95%. To achieve 29 pieces per minute, in traditional way there would require 140 employee; With the new automatic production line, 14-15 employees are enough to operate the whole line,

which is 1/10 of previous line.

Also, the control center will detect belt's productive life cycle and errors among production; Moreover, combines with the image detection system, the new production line can overcome the risks of human's blind spots. To sum up, "Wood Hange Automatic Production Line" achieves numerous goals such as performing real-time production quality monitoring, increasing capability of wood hanger production, ensuring production yield, achieving automation, mass production, standardization, and reducing labor cost.









W-Team 10 - "Fire Door Automatic Laminating Line"

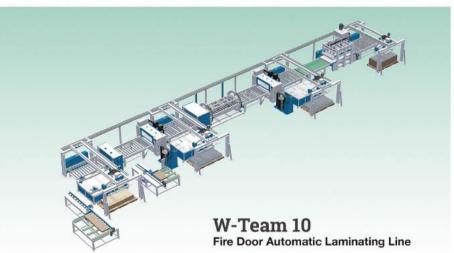
Based on the demand from end user. "Fire Door Automatic Laminating Line" aims to reduce labor cost and time waste on setup and adjustments, increasing production efficiency to gain more profit. This line has flexible production capability. which provides three manufacturing processes based on types of products, significantly reducing the usage of floor area. Equipments include automatic spray machine, hydraulic frame press, dust cleaner, hot melt machine, glue spreader, short cycle presses, control center, glue spreader quali

tv detection system.

Benefited from automation, the required personnel reduced from 10-12 people to 2-3 people. Floor area is 35.5m x 10mm. F60A fire door material. Size of panel is 2,200-2,400mm in length, 750-1,250mm in width, less than 60mm in height. With whole line control and glue spread quality detection system. the production line allows equipments connected with system, increasing automatic integrated capability and production efficiency.











Panel Furniture Production Line



Automatic Wood Boarding Line

At the speech in "Wing 2017 Strategic Forum", Joe Chang, the standing director of Taiwan Woodworking Machinery Industry Association, indicated that business owners should grasp the existing advantages of Taiwan's industry, using development of the Internet, cloud, Big Data, and the strategic alliances to overcome their shortages. So that Taiwan's woodworking machinery can quickly move from tradition to intelligence.

Learn from the Nordic Speed up the Strategic Alliance

Chang displayed a video to show how world's advanced woodworking machine works. There is almost no workers in workplace. Robots automatically process the production smoothly. Logs are classified, cut, and sawed into status which are available for sale making a substantial increase in corporate profits.

Chang took "optimizing cut off machine system" as example. Optimizing cut off machine has replaced traditional way to prepare materials. It includes "optimizing cut-off saw" and "optimizing gang rip saw". From the video it showed how smart machine scan, feed, control, cut, and discharge. Scanner finds detects of wood, then processes optimizing analysis through software, and sending the signal to the feeding side. Signals pass through the control system to command machines, starting cutting action, and sending message again to discharge side to control the following



Optimizing cut off machine system

actions. These fully-automated smart woodworking machines shorten wood processing time, increasing yield, and improving 11% of business profitability.

The key point of optimizing cut off machine is "Scanner". Chang took WoodEye, the world's leader of European wood scanner system, to explain how to read the "natural detections", "detection of drywood", "processed detection". Chang said himself is building strategic alliance with WoodEye, expecting to step forward to smart production.

IoT and Big Data, Bring New Life to **Taiwan Woodworking Machinery**

The so-called "Cyber-Physical-Production System" (CPPS), Chang said, need to have the following conditions: 1. Instant1. processing functions. 2.Communication and Interaction based on sensors of product characteristics and process equipment. 3.Be able to flexibly adjust program based on different requirements, making the production process to be adjusted immediately. 4.Avoid shutdown due to the change of processes or the damages of mechanical parts. 5.Improve the overall equipment optimization to implement small-volume, large-variety production, increasing production efficiency. 6.Extend functions and values of smart machines by the use of "loT", "cloud", "Big Data".

He said. The scope of CPPS can even extend to "pre-forecasting of simulated production", "risk management for detecting machine failures". " convenience of after-sales service". "Research and development of the reference basis," "smart production line" and "smart factory".

Could Taiwan have the conditions to develop smart woodworking machinery industry? Joe Chang said companies have to realize themselves and competitors to find niche market, using strategic alliance to overcome weaknesses. A more important consideration is personnel training. Industry need to rely on different innovation, technical inheritance from new generation, creating new business opportunities.

Use S.W.O.T to analyze Taiwan woodworking machinery industry, Chang indicated, Taiwan machines are highly cost-effective, which has built renowned reputation in the world. Also, enterprises has solid customer management system, building long-term client relationship. Moreover, new generations have arisen to take over the business. showing great ambition toward the next level. In the past, Taiwan woodworking machinery industry have built consolidate supply system. With flexibility of middle to small size enterprises, customized production is available and effective. These are the advantages that accumulated for decades from Taiwan machinery enterprises.

However, with small business scale, insufficient funds, difficulties in R&D and recruit, small size domestic market, high learning cost in new machine development, outsourcing system in most operation section, it's hard to train personnel, accumulate experience and perform acknowledge management.

Facing "Red Supply Chain" We can't be slow

Fortunately, the government and enterprises have taken into actions. It's benefits to invest smart machine through the new policy of government industry development, with cross fields cooperation, personnel training, and R&D cooperation. In the private sector, the domestic technology companies have also made good achievements, such as HIWIN, Delta, Advantech and other intelligent

automation of domestic technology companies. With improving technology in Taiwan, it will support Taiwan woodworking machinery industry to enter smart machinery industry.

Under the trend of IoT, few young people have willing to enter tradition, labor intensive industry. Moreover, the wage in China and Southeast has been increasing. The pressure push manufacturers to import intellegent automation equipment. On the other hand, the 2nd and 3rd generations have more world view and empathy, which allow them to accept new ideas and knowledge to import in R&D and staff treatment. The world will not reduce wood demand due to the rise of green awareness. Wood structure and wood building materials are still the future of living. These are all opportunities for woodworking machine manufacturers.

Looking around the status of global woodworking machinery production environment, there still exist big threat to Taiwan's industry. Chang pointed out the rise of China machinery industry and its strong domestic market, which benefit their development of new products, It bring more advantages than Taiwan to import smart automation production.

On the other hand, leading woodworking machinery enterprises in Europe have applied smart line production. With accumulated experience, their technology far surpass Taiwan. Today they use European brands, made-in-China, local marketing, service strategies to compete the market. surpassing the competitive advantages built between Taiwan manufacturers and local dealers.

Chang said, the above analysis result expressed the opportunities and threats of Taiwan woodworking machinery industry. We should recognize our advantages and weaknesses to find out the niche market, building the strategies for developing smart machine in Taiwan woodworking machinery industry. He believed, we should choose the right technology and work on it to get rid of threats from competitors. Also, we should use strategic alliance to overcome our weaknesses, train personnel, and devote to R&D, importing the concept of servitization to build good customer relationship management.

Looking for Niche Market of Small and Medium Enterprises. Cultivate New Generation's R&D Innovation

Jason Huang, the director of Taiwan Woodworking Machinery Association, made a speech at the forum. Huang displayed a film, provided by BIESSE Taiwan, to explain the ability of European automated plate machinery, which achieve small-volume, largevariety production. The film clearly showed the progress of the production line, from automatic storage, feeding system, the elastic plate sizing and cutting, transportation, raw material pending, automatically transported to edge machine. automatic vertical edging, flexible Drilling systems, manipulators for classification and drilling. He said that Germany and Italy are the only countries having able to supply such a high degree of automation / unmanned production.

Huang is the 3rd generation of Sheng Feng, the first woodworking machine manufacturer in central Taiwan, When Huang entered the industry in 1992. he decided to transfer the operation into professional plant equipment export. In the goal of exporting high-end Taiwan machine, Huang helps global-scaled enterprises building factories. For



Jason Huang, the director of TWMA



Modern Log House turn-key Project



Kitchen Cabinets Production Line

instance Dalian Mato, which produces thousands of advanced kitchen door sheets per day, and Mengtien Group, producing 6,000 pieces of wood sheets each day.

Elites Gather to Build New Era of **Taiwan Woodworking Machinery**

Huang indicated, Taiwan Anderson Group launched "Intelligent Plate Processing Equipment" in W-Team last year, on the basis of their CNC technology and cooperation experience with European manufacturers. Despite the scale was hard to compete with leading companies in Europe, Anderson Group represented Taiwan in competitive global environment, encouraging other Taiwan manufacturers to innovate on their products.

Currently. Taiwan's plate production still can't reach the level of smart production. But with high stability and high performance, alliance with different manufacturers to reach small niche market could be chances for Taiwan woodworking manufacturers.

Huang said, in the past decade, CMM International Inc., has input " European automated wooden house production line". The quality, precision and performance has surpassed most of similar European machines. To enhance smart production, CMM also cooperates with European software companies, launching "smart wooden house processing center" with local research association.

He explained, CMM's smart wooden house processing center uses smart and high performance production in whole progress, from storage, transportation, length inspection, automated shaping, and automated discharge. After wood materials been processed, finished goods will be printed with barcode, for the convenience of the order of following jobs. The data, for instance, production volume, ratio of utilization, abrasion wear, power consumption, and software upgrades from the processing center are able to be control remotely, which implement the spirit of Industry 4.0 Besides the improvement on techniques, it can resolve client's problem immediately.

Huang indicated that there are having more similar different processing center been developed. If multiple Taiwan enterprised integrated, it is expected to create another new opportunities for Taiwan woodworking machinery industry.

Innovator Machinery collaborated with W-Team in developing the "Smart Veneer Faces Production Line"

W-Team is guided by Industrial Development Bureau (IDB), implemented by Taiwan Woodworking Machinery Association (TWMA), and counselled by Precision Machinery Research & Development Center (PMC). 10 Lines have been completed since 2013. The business model of Taiwan woodworking machinery industry has transfer its sales from standalone machine to automated production line. enhancing big value of products and international competitiveness. Innovator Machinery and MHC Group, manufacturers joined W-Team project, shared their perspectives in the forum.

Ian Chang, general manager of Innovator Machinery, said, he bought a Danish company called Savi in 2007, aiming to transform Innovator being able to manufacture automated production line. The acquisition included Savi's brand, components, and clients. It took half a year to transfer the whole equipments to Taiwan, " At the time, I rejoiced inwardly. I think this move should be "decent".", Chang said.

" However, when the new product released, the dealers didn't exhibit our "masterpiece" at crucial fairs" . I asked, "Why you didn't display our products?" One client said: "You did good jobs on stand-alone machines. The quality are good. But we can't let your European competitors know we are selling you stand-alone machines, or they won't allow me to sell their product lines,", "Since then, I realized the importance of complete production line.". Chang said.

Improvements in Efficiency of Quality Inspection. Manpower requirement reduced from ten to three

In 2015, Innovator Machinery joined W-Team 6 and started to build "Smart Veneer Faces Production Line" that became the first whole line equipment of smart automation in Asia. Chang explained, "The production line combines Double Knife Veneer Guillotine, Double Sided Veneer Glue Applicator, Veneer Fanning Machine, Crossfeed Veneer Splicer, Edge Reinforcing Device, SCADA (Supervisory Control and Data Acquisition) system",

In order to enhance functions of overall production line, Innovator Machinery optimized the production line by upgrading the technology of double knife veneer guillotine, crossfeed veneer splicer and veneer faces trimming and reinforcing machines. Chang said, "Improved equipment can cutting thicker veneers. The rate of splicing can reach 15-20 times per minute.". "For veneer faces trimming, the equipment can strengthen the structure after splicing. Moreover, with the splicer quality inspection and rating system. the equipment enhance the efficiency of inspection, and the accuracy of quality.".

Mr. Ian Chang said, "This production line can make 0.5-0.6 veneer and perform auto detection after cutting. By using smart machines, the utilization of wood is improved."

Although the examination of the internal management is strict while implementing W-team project. Innovator Machinery regarded these difficulties as a necessary process for the upgrades of enterprises, forcing the staff to establish a more complete system. Finally, Mr. Ian Chang ended the speech with Innovator Machinery's famous slogan: "Concentration Creates Specialization!"



Smart Veneer Faces Production Line





Exhibitors List



Woodworking Machines and Supplies

Data as of March 2, 2018

Company Name	Website	Booth No
ABM WOODWORKING MACHINERY CO., LTD.	www.woodboring.com	L0631a
ANDERSON INDUSTRIAL CORP.	www.anderson.com.tw	M0605a
APLUS SPINDLE CORPORATION	www.aplusspindle.com	L1027a
ARDEN PRECISION TECHNOLOGY CO., LTD.	www.arden.com.tw	M1203
ARES TRANSMISSION & CONVEYOR SYSTEMS CO., LTD.	www.arestbush.com.tw	N1413
ATLAS MANUFACTURERS ASSOCIATION (TAIWAN) CO., LTD.	www.atlasco.com.tw	L0522
AUTOWORK TECHNOLOGY CO., LTD.	www.autowork.com.tw	N0824
BAG FILTER ENTERPRISE CO., LTD.	www.li-hui.com.tw	N1314
BALAMAN CO., LTD.	www.balaman.com.tw	N1123
BESTOR TRADING CORPORATION	www.bestor.com.tw	M1103
BIG TOYO MACHINERY CO., LTD.	www.bigtoyo.com	L0613a
BLUE STEEL MACHINERY CO.	www.highpointtools.com	N1005a
BOARKE MACHINE(PO CHIAO INDUSTRY) CO., LTD	www.boarke.com.tw	M0307a
CANGHE TOOL SUPPLIES CORP.	www.cabinhouse8.com	L0514
CARPENTER MACHINERY CO., LTD.	www.c-p-t.com	L0832
CHANG IN CO., LTD.	www.changi-machinery.com.tw	N0223
CHANG IRON WORKS CO., LTD.	www.changiron.com.tw	L0818
CHANG TJER MACHINERY CO., LTD.	www.changtjer.com.tw	L0114
HEN SHENG MACHINERY INDUSTRIAL CO., LTD .	www.chen-sheng.com	L1213
HEN YUAN TEK CO., LTD.	www.cywwm.com.tw	N0114
HENG HUNG MACHINERY INDUSTRY CO., LTD.	www.chmic.com.tw	L0126
CHENG KUANG WOOD MACHINERY WORKS CO., LTD.	www.ckmtw.com.tw	M0120
CHI ING INDUSTRIAL CO., LTD.	www.chiing.com.tw	N0320
CHIA CHUNG MACHINERY CO., LTD.	www.chiachung.com.tw	M1411
CHIA LUNG MACHINERY INDUSTRIAL CO., LTD.	www.chialung.com	L0118
CHIEMAN CHERANG ELECTRIC CO., LTD.	www.chieman-cherang.com	N1223a
CHING FENG WOODWORKING MACHINE CO., LTD.	www.ching-feng.com.tw	N0304
HIU TING MACHINERY CO., LTD.	www.geetech.com.tw	L0231a
HIUN FONG WOOD WORK MACHINERY CO., LTD.	www.chiunfong.com.tw	L1123
HUAN CHIER INDUSTRIAL CO., LTD.	www.ktcc.com.tw	N0607
CHUNTECH INDUSTRIAL CO., LTD.	www.chuntech.com.tw	N1101
CITY TOOLS CO., LTD.	www.citytools.com.tw	N0923a
MM INTERNATIONAL INC.	www.cmm.com.tw	N0513a
CO-MATIC MACHINERY CO., LTD.	www.co-matic.com	M0329
DAIWAN ABRASIVES CORP.	www.dac-abrasives.com	N0420
AST LONGITUDE TRADING CO., LTD.		L1313a
-CHAIN MACHINERY CO., LTD.	www.echainmachinery.com	L1231
NE FARN MECHANICAL CO., LTD.	www.i-fan.com.tw	M1303
XCELLENT MACHINERY INDUSTRIAL CO., LTD.	www.copyshaper.com	L1421
EXTEND LIGHT MACHINERY CO., LTD.	www.wood-planer.com.tw	M1309
ORMOSA KUANG YUNG ENTERPRISES CO., LTD.	www.fky.com.tw	N1205
REJOTH INTERNATIONAL LTD.	www.frejoth.com.tw	L1217a

Company Name	Website	Booth No
UKUTA ELECTRIC & MACHINERY CO., LTD.	www.fukuta-motor.com.tw	M1423
GAU JING MACHINERY INDUSTRIAL CO., LTD.	www.gaujing.com	M1009a
GESONG ENTERPRISES CO., LTD.	www.gesong.com.tw	N0124
GOODTEK MACHINERY CO., LTD.	www.goodtek.com.tw	N0305
HINOKI MACHINERY CO., LTD.	www.hinoki-tw.com	N1001a
HO SHAUR ENTERPRISES CO., LTD.	www.hoshaur.com	N0302
HOLYTEK INDUSTRIAL CORP.	www.holytek.com.tw	L1017a
HONG DAR KNIFE MFG. ENTERPRISE CORP.	www.hd-cutters.com.tw	N0517a
HONG SHING MACHINERY ENTERPRISE LTD.	www.khco.com.tw	N1405
HOON HSIANG INDUSTRIAL CO., LTD.	www.sawyer.com.tw	N0601
HSU PEN INTERNATIONAL PRECISION MACHINERY CO., LTD.	www.hsupen.com.tw	M0434
HUAN HUNG WOODWORKING MACHINERY CO., LTD.	www.huanhung.net	N0316
NNOVATOR MACHINERY CO., LTD.	www.InnovatorMachinery.com	M1019a
PC GLOBAL LIMITED	www.ipcgl.com	M1033a
TSAID CORPORATION	www.itsaid.com.tw	L0418
ASANS INDUSTRIAL CO., LTD.	www.jasans.com.tw	M1431
ELY MACHINERY INDUSTRIAL CO., LTD.	www.jelyco.com.tw	L0413
ER-YEU INDUSTRIAL CO., LTD.	www.jer-yeu.com.tw	L1316
HEN HONG PRECISE INDUSTRIES CO., LTD.	www.jhenhong.com	L1113
OWAY MACHINERY CO., LTD.	www.jo-way.com	N0406
UAN NAN ENTERPRISE, LTD.	www.juannan.com	L1125
UN SHIAU MACHINERY CO., LTD.	www.sander.com.tw	M0820
KAI SHENG KNIFE CO., LTD.	www.kai-sheng.com.tw	M1409
(ING JUI WEN CO., LTD.	www.kjw-germane.com	L1121
KUANG YUNG MACHINERY CO., LTD.	www.kuangyung.com.tw	M0408
KUO HUNG MACHINERY DEVELOPMENT CO., LTD.	www.kuohung.com.tw	L0331a
CUOMING ELECTRIC CO., LTD.	www.kuoming.com.tw	M1229
ASIC ELECTRO-OPTICS CO., LTD.	www.lasic.com.tw	N0323a
EADERMAC MACHINERY CO., LTD.	www.leadermac.com	M0619
I HSING CUTTERS CO., LTD.	www.lihsing-cutters.com	M1427
IH WOEI CARPENTRY MACHINE CO., LTD.	www.lihwoei.com.tw	M1209
ONG GER INDUSTRY CO., LTD.	www.longger.com.tw	L1117
U YEN PCD CUTTERS CO., LTD.	www.rke.com.tw	L0132
MEGA MAC WOODWORKING MACHINERY CO., LTD.	www.megamac-tw.com	M1129
META INTERNATIONAL CO., LTD.	www.metainternational.com.tw	N1023
MICK & JACK MACHINERY CO., LTD.	www.mni-taiwan.com.tw	L0914
MING PING MACHINERY CO., LTD.	www.mingping.com.tw	N0214
MOSAND INDUSTRIAL CO., LTD.	www.facebook.com/mosand.tw	11415
MOSHUN ENTERPRISE		M1029a
NEW REN YANG ENTERPRISE CORP. /BRAVOPRODIGY	www.bravoprodigy.com	L0426
DAY EQUIPMENT AND TOOLS INC.	www.oavequipment.com	M0420
POWERMAX MACHINERY CO.	www.powermax.com.tw	M0136
PROBAND MACHINE CO., LTD.	www.proband.com.tw	N1214
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Exhibitors List.....



Company Name	Website	Booth No.
REVERSE MECHATRONICS CO., LTD.	www.reverse.com.tw	M1419
RI CHEN MACHINERY CO., LTD.	www.richen.com.tw	L0531a
RICHSAW INTERNATIONAL INC.	www.richsaw.com.tw	N1419
RU LONG WOOD MACHINE CO., LTD.	www.rulong.com.tw	L0432
RYE CHUAN ENTERPRISE CO., LTD.	www.goodbrush.com.tw	N0414
RYH LONG ENTERPRISE CO., LTD.		N0323
SALIDA INDUSTRY CO., LTD.	www.salidatek.com	L0826
SAN FORD MACHINERY CO., LTD.	www.sanford.com.tw	N0301
SAN JUI MACHINERY CO., LTD.	www.sanjui.com.tw	M1230
SHARPMAX TOOL INC.	www.sharpmax.com.tw	N1409
SHEN KO MACHINE CO., LTD.	www.shen-ko.com.tw	M1219
SHERNG YUAN MACHINERY CO., LTD.	www.sherngyuan.com.tw	L0623a
SHINMAX INDUSTRY LTD.		N1318
SIANG JHENG MACHINERY CO., LTD.	www.sunrisem.com.tw	N1213
SOUNDING E-O CO., LTD.	www.laserman.com.tw	N0223a
STIRLING INTERNATIONAL CO., LTD.	www.fu-king.com.tw	L0617a
SUM WISH INTERNATION CORP.	www.sumwish.com	L0814
SUN KANG INDUSTRIAL CO., LTD.	www.eurovacpumps.com	M1003a
SUNMADE BRUSH TECH CO., LTD.	www.sunmadebrush.com	N1223
SUNTEK MACHINERY CO., LTD.	www.suntek-brush.com.tw	L1417
TAI CHAN MACHINERY INDUSTRIAL CO., LTD.	www.taichann.com	M0319
TAIWAN FONRAY ENTERPRISE CO., LTD.	www.fonray.com	N0413a
TAIWAN HWAN YI PRECISION INDUSTRIES CO., LTD.	www.hwanyi.com.tw	N0413
TECHNIK ASSOCIATES, INC.	www.hipoint.com.tw	L0317a
THAI FENG MACHINERY WORKS CO., LTD.	www.thaifeng.com	M0933
THE KINGCRAFT MACHINERY CO., LTD.		N0314
TOPTRANS COMPANY LTD.	www.toptransco.com	N1401
TSUNG CHANG MACHINERY CO., LTD.	www.tcmco.com.tw	N1123a
UNITEK MACHINERY CO., LTD.	www.unitekmachinery.com	N1219a
WAYLONG MACHINERY INDUSTRIAL CO., LTD.	www.waylong-machinery.com.tw	L1031a
WEIPINMECH INT'L CO., LTD.	www.weipin.com.tw	L1217
WELL LANE MACHINERY CO., LTD.	www.welllane.com.tw	L1232
WEN CHIH MACHINERY INDUSTRIAL CO., LTD.	www.wenchih.com	L0414
XIANG JING MACHINERY CO., LTD.	www.cncleader.com	M0108
YANG-DER MACHINERY CO., LTD.	www.yangder.com.tw	N0224
YAN'S INDUSTRIAL CO., LTD.	www.yans.com.tw	N0104
YEOU EIR SHUEN MACHINERY CO., LTD.	www.yes.com.tw	M0931a
YOW CHENG MACHINERY INDUSTRY CO., LTD.	www.yowcheng.com.tw	L1431
YOW CHERNG MACHINERY CO., LTD.	www.yowcherng.com.tw	L0717
YU SHYANG MACHINE CO., LTD.	www.sandingmachine.com.tw	N1201
YUAN AN IRON WORKS CO., LTD.	www.yuanan.com.tw	L0325a
YUAN LUNG MACHINERY WORKS	www.yuanlung.com.tw	L1317
YUH FARN MACHINERY INDUSTRIAL CO., LTD.	www.yuhfarn.com.tw	M1319
YUNG NIEN FA MACHINE INDUSTRY CO., LTD.	www.perwood.com.tw	N1301

International Exhibitors

Company Name	Website	Booth No.
AUTO SOLUTION TECHNOLOGY CO., LTD.	www.cadcam.com.tw	N1113a
B.M.P CO., LTD	www.brothermc.kr	N1117a
BECKER PUMPS TAIWAN CO., LTD.	www.beckertaiwan.com	N1019a
BIESSE TAIWAN LIMITED	www.biessegroup.com	N0802
DINGCHANG-TOOL INDUSTRIAL CO., LTD.	www.szdc-tool.com	N0913a
L.WELLSON INTERNATIONAL CO., LTD.	www.facebook.com/LAMELLOTW/?ref=bookmarks	N1113
MICRO MEASURE LTD.	www.micromes.com	N1115a
QINGDAO WOODFAST MACHINERY CO., LTD	www.qcr.com.cn	N0917a
RUN ACE CO., LTD.	www.runace.com.tw	N1119
SCHNEIDER ELECTRIC TAIWAN CO., LTD.	www.schneider-electric.com.tw	N1013
SUN YOXEN INTERNATIONAL INC.	www.sunyoxen.tidi.tw	N0613a
THUONG NGUYEN CO., LTD	www.maychebiengo.net	N1017
WOOD-MIZER LLC, USA	www.woodmizerasia.com	N0814

Trade Media, Services & Associations

Company Name	Website	Booth No.
ADSALE EXHIBITION SERVICES LTD.	www.woodworkfair.com	N1017a
ASIAN TIMBER MAGAZINE	www.shpmedia.com	N0423
CENTRE OF WOODWORK TECHNOLOGY AND INNOVATION	www.cowtai.com	L1221
CHAN CHAO INTERNATIONAL CO., LTD.	www.chanchao.com.tw	N0501a
CHING HWA ADVERTISEMENT CO., LTD.	www.pioneer-magazine.com.tw	N0423a
FORDAQ S.A.	www.fordaq.com	N0523
OVERSEAS EXHIBITION MACHINE MAGAZINE	www.overseas-magazine.com.tw	N0324
PRECISION MACHINERY RESEARCH & DEVELOPMENT CENTER	www.pmc.org.tw	N0617a
TAIWAN FURNITURE MANUFACTURERS' ASSOCIATION	www.tfma.org.tw	N0404
TAIWAN KITCHEN CABINET MANUFACTURERS DEVELOPMENT ASSOCIATION		N0501
TAIWAN NATIONAL ASSOCIATION OF INTERIOR DESIGNERS	www.cnaid.org.tw	N0402
TAIWAN WOODWORKING MACHINERY ASSOCIATION	www.twma.org.tw	N0713
TOOLOTS RELIABLE EQUIPMENT FAST	www.toolots.com	N0524
UNITED DAILY GROUP	www.cens.com	N0503a
WOODWORKING & FURNITURE DIGEST	www.interwood.tw	N0723
WORLDWIDE SERVICES CO., LTD.	www.acw.com.tw	N0623a



INNOVATOR MACHINERY CO., LTD.

Crossfeed Veneer Splicer (Model: UltiMate series)

- infeed guides for veneer jointing alignment
- air cleaning system for photoelectric sensors
- safety guard of light curtain with European safety standards
- fix-length (cut-to-size) and endless (fix-jointed) splicing
- pre-feeding stopper system to avoid mismatching in the beginning of feeding stage
- hydraulic driven clipper for the pre-selected width of veneer faces (UltiMate series)
- "clear-and-easy" operation control panel with user-friendly PLC based interface touch screen
- independent cylinders for crossbeam pressure for thin veneers splicing even possible with extremely thin veneers (UltiMate series)



- veneers with the thinness as low as 0.2 mm spliced (certain species of veneers) - UltiMate series
- remote monitoring maintenance system for faster access from the manufacturer in case of machine breakdown

www.InnovatorMachinery.com service@InnovatorMachinery.com

Booth No: M1019a

Booth No: L1417



SUNTEK MACHINERY CO., LTD

Polishing equipment for irregular surface through to combine different components, it can finish grinding for complex irregular surface for bare wood and primer.

- With complete functions and wide processing range, such as PVC, painted panel, primer painted panel, bare wood and so on
- Modularization and multiple selections, there are many sanding units for choke.
- Working table with vacuum cover, it can sand the
- Replace the sanding belt after pull out the sanding roller unit and motor drive, ensure the safety in the work.



- PLC system control, touch screen interface.
- Rotation disc sanding unit can sand the sheets from different angles, ensure good sanding effect.

www.suntek-brush.com.tw sales@suntek-brush.com.tw



Excellent MACHINERY INDUSTRIAL CO., LTD.

Excellent Machinery, a Taiwan-based woodworking machinery company, announced numerical control dovetail machine. Excellent has been operating over 30 years, they are renowned for woodworking machinery with high performance and quality, building loyal customer base around the world. The numerical control dovetail machine has following features:

- Variable spindle speed in maximum 20,000
- Mortise and tenon can be adjusted separately
- 30m/min acceleration
- Enable compensation after sharpening. without adjusting height of tenons and tightness.
- Maximum processing scope: 600mm
- Automatic oiler; Automatic shut down when oil starved



- Automatic error detection
- Enable manually reset parameters

www.copyshaper.com excell6@ms36.hinet.net

Booth No: L1421

LIH WOEI & SHAPER KING" LIH WOEI CARPENTRY MACHINE Co., LTD.

With Twin Table Machine You Will Be Able To

- work a single program on two different tables
- work two different program on two different tables
- process by multi-spindle (customized by your demand) - bore door frame by using 9 boring head with 2 horizontal
- side boring or attach cutter head

- Italy HSD high frequency spindle
- High efficiency drum type ATC
- High intensity machine base
- PC base CNC controller
- Table size:2400x1600mmx2 (Customized size available)
- Vacuum absorb system and fix up table
- Lihwoei's format of Z axis helical rank with grinding quality
- X,Y,Z axis used by highly intensity ball screw
- Auto tool measurement system
- Full working area auto lubrication system

www.lihwoei.com.tw lihwoeishaperking@gmail.com

Booth No: M1209



ABM WOODWORKING MACHINERY CO., LTD

HS-114T Six-unit boring machine

- Combined 2 sets of horizontal and 4 sets of vertical boring units in one machine. Simultaneous or individual operation for boring units not only upgrades working efficiency, but also save considerable production cost.
- The horizontal boring unit is equipped with 21 spindles X 2. boring heads with international standard 32 mm distance.
- The vertical boring unit is equipped with (11x2) x 4 spindles boring heads with international HS-114T Six-unit boring machine
- standard 32 mm distance
- The vertical boring unit can be set at 90° for maximum flexibility of boring position



■ An automatic workpiece feed equipment is available for upgrading working efficiency

www.woodboring.com abmco@ms14.hinet.net

A HIPOINT

TECHNIK ASSOCIATES, INC.

Luxury Type Bilateral Sizing and Moulding Sander

New type of bilateral multi-function compound machine is designated as a luxury heavy-duty machine (L CLASS), and defined as a bilateral working unit for more than 10-axis luxury composite processing machine. This new type machine can be customized based on customers' demands, including sizing, moulding, edge banding, sanding, chamfering, grooving and other edge processing, and impose modular production.



This new type of machine use individual slide guide ways instead of single base slide guide way. Depends on the requirements, lengths of the machine can reach more than 10 meters without the restriction from single base slide guide way. Moreover, benefited from individual slide guide ways, processing will be more stable as the center of gravity can be evenly distributed on the individual slide guide ways, generating smooth machined surface.

http://www.hipoint.com.tw/ hptmac@gmail.com

Booth No: L0317a

Booth No: L0631a





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Visiting Incentives for Qualified Buyers

Wood Taiwan provides visiting incentives for qualified oversea buyers, please contact your nearest TAITRA office for more information on this limited offer. If you do not find an office near you, please contact woodtaiwan@taitra.org.tw, we will be more than happy to assist you.

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- Take the Blue Line (NANGANG-Banqiao-Tucheng) and get off at Taipei NANGANG Exhibition Center Station.

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台北捷運路網圖 Taipei Metro Route Map



2018 TaiwanTradeShows

			vvnere O	pport
TIÐS	TIOS Taiwan Int'l Orchid Show Taiwan Orchid Plantation	Mar. 2-12	TCFB	TCF Taichur Taichung Ir
Tispo	TaiSPO Taipei Int'l Sporting Goods Show	Mar. 8-10	9	SMA Teichung Ir
X	SPOMODE 1 Taipei Int'l Sports Textile & Accessory Expo	Mar. 8-10	0	* Taipe
6	DiWaS 1 Taiwan Int'l Diving and Water Sports Show	Mar. 8-10	9	Shoe * Taipe
B	Taiwan Int'l Boat Show Horizon City Marina	Mar. 15-18	215	Aqua Taiwa
	WOOD TAIWAN * Taiwan Int'l Woodworking Machinery Show	Apr. 2-5	SEMICON TAIWAN	SEM * Semi
C	Fastener Taiwan Taiwan Int'l Fastener Show	Apr. 10-12	B	Beau 0 2018
0	TAIPEI AMPA	Apr. 11-14	·	Ener *
29	AutoTronics Taipei * Taipei Int'l Automobile Electronics Show	Apr. 11-14	TiGIS	TIGI * Taiwa Wate
9	Taiwan ITS G Taiwan Int'l Intelligent Transportation Show	Apr. 11-14	*	TIAF
3	MOTORCYCLE TAIWAN Taiwan Int'l Motorcycle Industry Show	Apr. 12-15	ST	INST
	Taiwan CarTuning Taiwan Int'l Car Tuning & Car Care Show	Apr. 12-15	e	
0	Giftionery Taipei Taipei Int'l Gift & Stationery Show	Apr. 19-22	Θ	Disc
6	Houseware Taiwan 1 Taiwan Houseware & Home Décor Show	Apr. 19-22	_	Myanm
O	Contract of the second	Apr. 19-22	·	Myanm Equipm TATMADA
TILS	TILS 1 Talwan Int'l Lighting Show	Apr. 25-28	6	SMA Bangalore
inton	iMTduo ★ Taipei Intelligent Machinery & Manufacturing Show	May 9-12 Technology	•	TAIT * Taipe
yodex	YODEX 10 The 37th Int'l Young Designers' Exhibition	May 25-28	Times	* Taipe
	COMPUTEX TAIPEI 44	June 5-9	0	Kaoh
0	MEDICARE TAIWAN Taiwan Int'l Medical & Healthcare Exhibition	June 21-24	•	Kaoh Kaoh Show
	SENCARE 1 Taiwan Int'l Senior Lifestyle and Health Care	June 21-24 Show		Kaoł
0	FOOD TAIPEI 1 * Taipei Int'l Food Show	June 27-30		TAIP
Ø	Foodtech & Pharmatech TAIPEI * Taipei Int'l Food Processing & Pharm. Machin	June 27-30 ery Show	The same	⊕* Tai
P	TAIPEI PACK	June 27-30		Taipei I Songehan G
HR	Taiwan HORECA Taiwan Int'l Hotel, Restaurant and Catering S	June 27-30 Show	錬	Taiw
۵	HALALTAIWAN Taiwan Int'l HALAL Expo	June 27-30		

nere O	pportunities Get Activated	
TCFB	TCFB Taichung Int'l Tea, Coffee and Bakery Show Taichung International Exhibitional Center, TOIEC	July 6-9
9	SMART ASIA Taiwan Taichung International Exhibitional Center, TOIEC	July 19-21
0	TAIREI DI AC	Aug. 15-19
9	ShoeTech * Taipei International Shoe Making Technolog	Aug. 15-19 gy Show
巡	Aqua Taiwan Taiwan Int'l Water Show	Aug. 29-31
SEMICON TAIWAN	SEMICON Taiwan * Semiconductor Industry Show	Sept. 5-7
B	Beauty TAIWAN 1 2018 Taiwan Int'l Beauty Show & Industry F	Sept. 13-15 orum
K	Energy Taiwan	Sept. 19-21
TiGIS	* Taiwan Int'l Green Industry Show - Energy, En Water Technology, Urban Planning & Green Liv	Sept. 19-21 vironment, ving Products
1	TIAP * Talwan Int'l Air Purification and Sanitation S	Sept. 19-21 Show
N ST	INST Taipei Int'l Invention Show & Technomart	Sept. 27-29
0	DATE O Discover Advanced Trends in E-commerce	Sept. 27-29
Э		Sept. 27-30
•		Sept. 27-30 Power
6	SMART ASIA India Bangalore International Exhibition Center (BIEC)	Oct. 4-6
•	TAITRONICS * Taipei Int'l Electronics Show	Oct. 9-12
Titas	TITAS * Taipei Innovative Textile Application Show	Oct. 16-18
0	Kaohsiung Food Show	Oct. 25-28
•	Kaohsiung Horeca Kaohsiung Int'l Hotel, Restaurant, Baking ar Show	Oct. 25-28 nd Catering
۵	Kaohsiung HALAL Kaohsiung Int'l HALAL Expo	Oct. 25-28
	TAIDEL CYCLE of Demo	Day : Oct. 30 Oct. 31 - Nov. 3
Total .	TIS Talpei IN Style Songshar Cultural and Creative Park	Nov. 8-11
暖	Taiwan Fishery Taiwan Int'l Fisheries & Seafood Show	Nov. 22-24

*Please Check Website for Updated Information. 2017.310/er.fl

www.TaiwanTradeShows.com.tw



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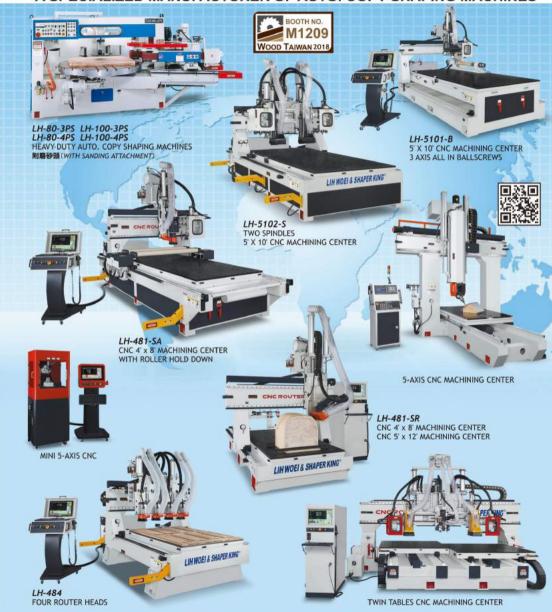
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Best Finish Brush Sander

www.salidatek.com

BOOTH NO.

L0826 WOOD TAIWAN 2018



Disc Head System

To reach the maximum polishing functionality in the depth of cupboards and bottoms of carved doors.



Horizontal Sanding Head

- Plane with oscillation sanding by rotary carousel.
- Material saving.
- Perfect and efficient sanding.



Rotation Brush Sander Machine & Disc Head System Model: SL-R4, SL-R4DD, SL-RB (1100 mm ,1400 mm)

- Precise and reliable.
- Reduce labor costs.
- · Suitable for a variety of woodworking.



SL-H2RB

- Track type sanding head.
- · Large rotary actuator.
- · Rotational sanding head gets more accurate work.







SL-R4

SL-R4DD



施板飾條砂光機

Moulding Sanding Machine Could sanding 2, 3 and 4-sided of linear wood

Most moulding work-piece need sanding 2, 3 or 4 sides, Salida has developed a solution which has high efficiency as well as high performance.

Moulding sanders are used to breaking sharp edges, remove fibers from the surface, and ensuring an even color on work-piece.



SALIDA INDUSTRY CO., LTD. 山立工業股份有限公司

No. 48, Lane 276, Guangfu Rd., Shengang Dist., Taichung 42951, Taiwan Tel.: +886-4-2561-9333 e-mail: salida@ms64.hinet.net Skype: SalidaTaiwan 42951 台中市神岡區光復路 276 巷 48 號 https://www.salida-industry.com http://www.salida.com.tw

GOODTEK standard accessor GT-610B (24") GT-450B (18") GT-400B (16") optional accessory Challenge Shortest workpiece of 100 mm

for double surface planing. A pioneer in waste processing.



GT-400SF

本機已獲得中國大陸及台灣地區多項專利(仿冒必究)



• GT-600JJ Double Bevel Spindle Auto, Jointer

High Speed Bevel Spindle Auto. Jointer

 GT-760ARD (30") GT-635ARD (25") GT-610A (24")



No. 42, Fenggong Central Rd., Shengang Dist.



性:重切削丶低噪音,可加工短料 itures: Heavy planing, Low noise, for short material processing.

Full range of products are patent protected

全系列產品均獲多項專利保護

All Rights Reserved

標準配備

選購配備









山富機械廠有限公司 SAN FORD MACHINERY

Professional manufacturer of anti-pollution systems

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活動型集塵機



馬力從 1.5 HP 至 5 HP Models from 1.5HP to 5 HP

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馬力從 1.5 HP 至 20 HP Models from 1.5HP to 3 HP Models from 1.5HP to 20 HP

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馬力從 5 HP 至 25 HP Models from 5HP to 25 HP

DOWNDRAFT TABLE 研磨集塵桌



活動式研磨集塵,捕捉因木製成品修邊所產生的粉塵 Working area arrangement per customer demand

VACUUM CLEANER SERIES 負壓式集塵機



收集各類加工機具產生的粉塵, 密閉式設計 Models ranging from 3 HP to 10 HP

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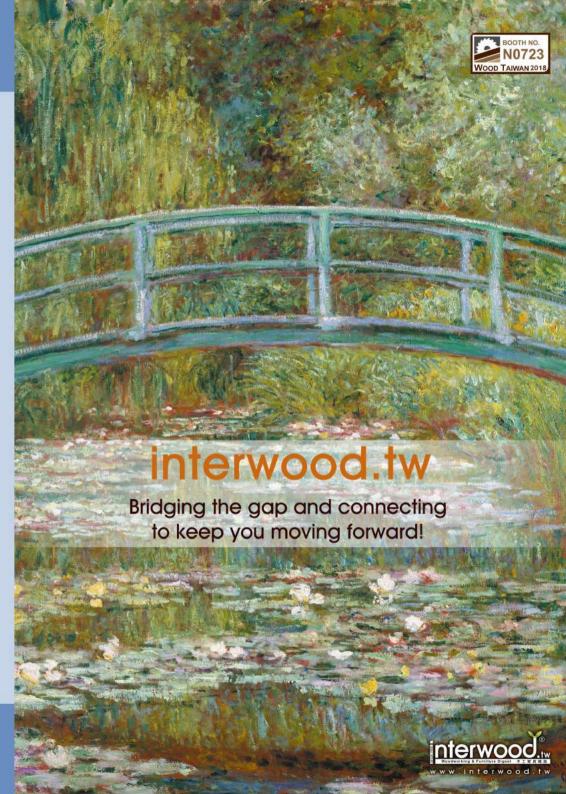
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異型面砂光機

Curved Surface Sanding Machine

Main Products:

Curved surface sanding machine Antique wood grain brush sanders Linear profile sanding machine Single head sanders Double head sanders Edge sanding machine Chair leg profile sanding line

Customized sanding machinery

主要產品:

異型面砂光機 仿古木紋拉絲機 四面仿型線條砂光機 單頭手動砂光機 雙頭手動砂光機 砂邊機 椅腳砂光線 客製化砂光機

Applications:

Wooden door, wardrobe door,

cabinet doors.frames, racks.

toilet cover, outdoor fruniture,

material and lacquer sanding.

Applicable to the curved surface of the workpiece

適用於不規則面工件的底漆與白身砂光

caved artifacts....etc.



nented Pad

Segmented Pad Sander

琴鍵砂光機



佳隆砂光機提供客戶從實木的定厚研磨至最後精絕研磨,以及薄片、底 研磨,達到最高品質的砂光效果。

砂光組合包含螺旋刀頭、砂光輪、組合頭、琴鍵壓樑和抛光輪等,提供最 精確及適當的結構,符合客戶的工作需求。

CHIA LUNG wide belt sanders give you the superior quality, from surface calibration to final polish for solid wood, veneer or lacquer sanding.

Sanding units include spiral knife planer head, contact roller, combination head, segmented pad and polishing brush. Put this precision to work for you.









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椅腳砂光線 Chair leg profile sanding line

應用範圍:

木制門、衣櫥門板

廚櫃門板、相框、衣架、

馬桶蓋板、戶外家具、 雕刻工件…等等。

BOOTH NO. I 1417



仿古木紋拉絲機 Antique Wood Grain Brush Sanders



SMART-A

SMART-B

SMART-C

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