

## 全球战略合作商产品 Global partnerships



## 我们带给您全球最先进的自动化设备和技术

Houng Fuh brings you the most advanced automation equipment and technology

我们拥有6家海外长期战略合作伙伴，包括法国、瑞士、荷兰、韩国、日本、印度等，为您带来全球最先进的自动化设备和技术，满足您自动化生产线上的各类自动化设备与技术的需求，超越您的期望。

We have 6 long-term strategic partners overseas, including a global network of France, Switzerland, the Netherlands, Korea, Japan and India. Houng Fuh provides customers with efficient and reliable equipment and services, beyond your expectations.

## 瑞士SKYFALL分拣机 SKYFALL

瑞士Skyfall利用重力和第三维空间。大多数物品重达10KG，沿着轨道在滚子上输送，系统速度高达每小时10500件。基本功能包括分拣、累积或缓存。

Skyfall is an unique product which uses gravity and third dimensional space as the solution's main feature. Most items weigh up to 10KG and are transported on units along the track, with a system speed of up to 10,500 pieces per hour. Basic functions include sorting, accumulation, or caching/buffering.



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## 瑞士denisort翻板式分拣机 Denisort Tilt Tray Sorter

瑞士denisort翻板式分拣机系统通过多个层级和流程提供连续的货物流，输送、调试和分拣，所有流程都在同时进行且在一个单独系统上完美地运行。

The denisort sorter combines conveying and sorting in a single system. Its unique transport structure and flexibility makes sure all part of the required layout can be reached, and different processes can be executes along the same system.

合作品牌 Cooperative Brand

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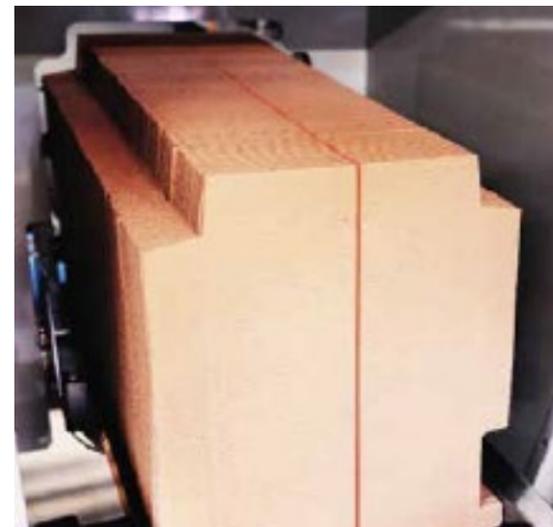


## 法国Jivaro智能包装解决方案 Jivaro Intelligent Packaging Solution

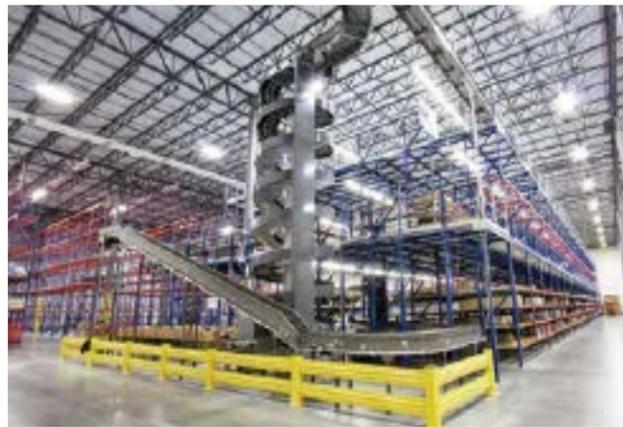
法国Jivaro系列产品，专为电商包装的优化而设计，包括从箱子成型到装配调整再到封箱。纸箱高度自动根据填充高度而调整，以减少运输体积。

Jivaro products are a perfect fit for e-commerce packaging where carton sizes can be reduces according to its contents. This in turn saves the cost of filling materials as well as transportation cost. Hong Fuh is Savoye's only authorized representative in China.

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## 荷兰APOLLO螺旋输送机 APOLLO Spiral Conveyor



荷兰APOLLO螺旋输送机采用模块化设计，且有多种标准规格以适应不同输送物品及应用，螺旋机可实现提升、下降动作，部分状况下甚至可进行逆转。

APOLLO spiral conveyor has been a key feature in many of our client's systems since 2009. They are a modularized design vertical conveying solution that can work in different applications. Stable transport is made sure by its unique structure and rolling features, proving it to be a great choice for SI customers.

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## Fuji-ACE机械手臂 Fuji-ACE Robot



日本Fuji-ACE机械手臂，结构轻盈，噪音低；采用标准零部件，电机性能稳定，故障率低，广泛应用于工厂自动化，物流机器人领域。

Fuji-ACE Robots have light structure and low noise, is widely used in the field of factory automation and logistics robots because of its stable motor performance and low failure rate with standard components.

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### 效果评价 Result evaluation

系统上线后，医药物流配送中心出库准确率高达99.99%，出货效率达10000件/小时，日吞吐量达10万件（药品大包装箱），提高了该医药集团对销售终端的服务能力。

The accuracy rate of medical logistics distribution center outgoing warehouse reaches 99.99%, the delivery efficiency reaches 10,000 pieces per hour, and the throughput is 100,000 pieces per day (large package of drugs), the service capacity of this company to the POS has been improved in further.



## 国内典型案例 References in domestic projects

### 项目诉求 Project requirements

某知名医药集团是一家以药品批发、零售连锁和医药电子商务为核心业务的大型民营企业集团，销售渠道遍布全国各地，随着医药业务的快速发展，规模不断壮大，通过自建物流库以及全国性的医药物流配送中心，满足日益增长的业务需求。

A large-scale private Group which the core businesses are medicine wholesales, retail chain and pharmaceutical e-commerce. Its sales channels are all over China. With the rapid development of pharmaceutical business, its scale is growing. It can meet the growing demand by building its own logistics warehouse and national distribution center for medical and pharmaceutical distribution

## 某知名医药集团武汉物流中心项目 Wuhan DC Project for A Well-known Pharmaceutical Group

### 解决方案 Solution

自2000年以来，锋馥分别为某知名医药集团先后在新疆乌鲁木齐、湖北武汉、北京、南京、温江等地打造现代化的大型医药物流配送中心，实现覆盖全场的物流自动化分拣输送，构筑全国性的医药物流配送网络。该集团武汉物流中心医药物流系统，主要分为整箱条码识别系统、拆合盘专用设备、出入库输送分拣系统、空托盘拆垛与码垛专用设备、空托盘输送存储输送线，主要对药品物流信息数据的采集——整件商品的出入库输送——出入库前的流道自动分拣、合流——商品出入库时的托盘拆合——空托盘的码垛、拆垛与输送的配套服务作业。

Since 2000, Houg Fuh has built modern large-scale medical logistics distribution centers in Urumqi, Hubei, Wuhan, Beijing, Nanjing and Wenjiang, to realize automatic sorting and transportation, and construct a national medical distribution network. The medical logistics system mainly consists of the whole box barcode identification system, the special equipments for dismantling trays, the transportation and sorting system for in-and-out warehouses, the special equipment for empty pallets dismantling and stacking, and the storage and transportation line for empty pallets. The system mainly collects the information data of pharmaceutical Logistics and realizes in-and-out warehouses transportation, the sorting, merging, dismantling and palletizing before in-and-out warehouses.

## 国内典型案例 References in domestic projects

### 交叉带分拣项目 Cross Belt Sorter for local Courier Express

#### 项目诉求 Project requirements

快递属劳动密集型行业，拣选作业的人力达50%以上，而且拣选作业的时间占整个配送时间的比例为30%-40%，人工分拣影响了快递配送速度。分拣中心的合理规划、分拣选设备及技术对于物流运作效率的高低有着决定性影响。

Express delivery belongs to the Labor-intensive industry. The required labor value of sorting works is more than 50%, and its required time accounts for 30% - 40% of the total distribution time. Manually sorting has influenced the delivery speed of express. The rational planning of distribution center, sorting equipment and technology has a decisive impact on the operating efficiency of logistics.

#### 解决方案 Solution

该自动分拣系统用于处理分拨中心的小件分拣，主要由配套线体、交叉带自动分拣机、供件台、滑槽、钢平台等设备组成。主要作业流程包括：到站接收、入库、查验、分拣、集装、发运等，形成流畅的工艺处理链。

The automatic sorting system is adopted to sort small parcels in distribution Center. It is mainly composed of the equipped lines, cross-belt sorter, inducts, chutes, steel platforms and other equipments. The main working procedures include receiving, warehousing, inspecting, sorting, palletizing, shipping, etc, to form a whole fluent production chain.



#### 效果评价 Result evaluation

该系统更有利于物流领域的规模化作业，满足其生产作业的工艺流程和配置需求，提高分拣效率，大量减少包裹分拣过程中的劳动成本，极大地提高分拣准确性，分拣速度可达 96000 件 / 小时。

The system is more conducive to the logistics field of large-scale operations, satisfying its production process and needs of configuration, improving the sorting efficiency, reducing much more labor costs in the process of parcel sorting, and greatly increasing the sorting accuracy. The sorting capacity has already been reached at 96,000 pieces per hour.





### 效果评价 Result evaluation

全自动化中央码垛系统大幅度减少工作人员的数量，大大提高了作业效率和产能。整厂系统和客户端的仓库系统进行连接，能够识别各生产线的产品种类、产能、码垛分配点、后端货物托盘的产能、仓库储存的货物数量，以及货物托盘的存放位置，此功能提升了追踪货物讯息、查询生产间和仓库信息的能力。

The fully automated central palletizing system significantly reduces the number of staff and greatly increases work efficiency and productivity.



## 国际典型案例 References in overseas projects

### 项目诉求 Project requirements

味之素，全球十大食品企业之一，主要生产调味料、食用油、冷冻便当餐点、甜味剂等。泰国味之素位于曼谷沙拉武里，为了处理庞大的产能，客户需设立自动化设备来处理运输、码垛、以及储仓的问题。

AJINOMOTO, one of the largest food product manufacturers, needs a solution to fulfill its new factory's requirement of conveying, palletizing and storage.

## 泰国Ajinomoto味之素包装分拣码垛入库项目 AJINOMOTO Storage Sorting and Palletizing Project (THAILAND)

### 解决方案 Solution

锋馥于2017年为泰国味之素提供了输送系统及中央码垛系统。整体工程分两部分，300米长输送线及全自动中央码垛系统。输送线贯穿2个车间，连接24条生产线送至仓库中央码垛系统，进行产品的码垛、入库；全自动化中央码垛系统，由7台机械手臂组成，产能高达90栈板/小时，输送设备与码垛系统采用条码打印及追踪系统。客户能运用仓库系统追踪及得知每个订单的状态、原材料信息及在仓库的存放位置，方便客户作出订单的追踪和调配。

Houng Fuh provided a system that is divided in 2 parts. First is the conveyor taking products from factory to storage, and secondly the sorting and palletizing system which leads to the pallet warehouse. In total 7 robots palletizers and 21 pusher sorters are deployed, while the control system handles the whole operation including our own pallet shuttle.

## 国际典型案例 References in overseas projects

### 澳洲某纸巾高效码垛系统项目 High Throughput Palletizing System for Tissue Products (AUSTRALIA)

#### 项目诉求 Project requirements

该纸巾高效码垛机系统，能够满足柔软、易变形/损伤的轻小物件码垛输送整理，可以根据不同行业的要求定制系统，能够大量、快速地码垛，处理轻柔，精准、高效、安全，系统可靠稳定。在人力成本高昂的澳洲，全自动化码垛的需求更为强烈。

System need to handle products that are soft and fragile with conveying and palletizing functions. In a country like Australia where the labor cost is high, a stable and precise system with high throughput is hugely favorable.

#### 解决方案 Solution

该项目包括：辊筒输送机、顶升移载、上下坡皮带输送机、推箱机、码垛机、链条输送机、托盘搬运机、托盘旋转台等设备，综合达到码垛货物输出的功能。主要输送过程：2个进口辊筒线，垂直向进口时需要顶升移载，然后顺利进入爬坡皮带，再次滚筒输送运行，通过转向设置转动方向。输送物件连续动作然后达到单列罗列定位。物件达到三个或四个后（根据货物尺寸排列数才会不同）整列推进，连续相同作业即多次整列推进后，形成码垛的一层，通过设置开关，整层推动到平台上，最后移至码垛机提升机构上，置中设置定位后放入木托盘上。相同作业多次动作之后，层层累加在一个托盘上，单个托盘完成后，往出口方向输出，即整个操作完成。

System deployed includes different conveyors for different functions and stage of the production process. Products are formed into layers, and palletized at the end layer by layer.



#### 效果评价 Result evaluation

该系统能够为企业节约人力资源成本，对于类似澳洲平均生活水平和劳动力成本高昂的国家，码垛系统在节约人力成本方面占据很大优势，同时全自动设备可24小时作业，大大提高了作业效率和产能效率；结构优化，能有效利用多种不同类型输送线，达到良好的协调性，容易操作，稳定性强。

Hugely improved the operational cost, allows 24 hour operation and therefore efficiency.

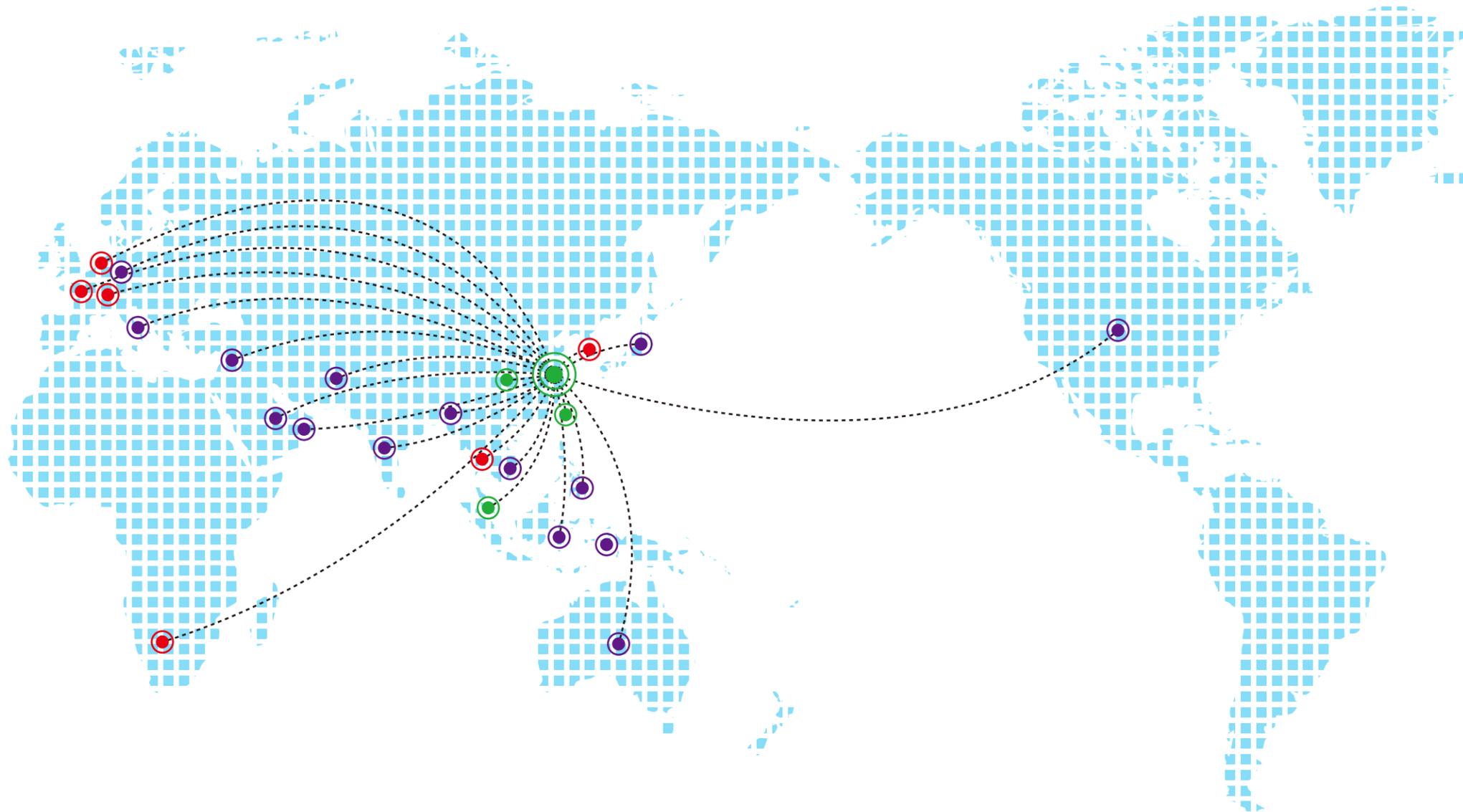


# 全球品质.终身维护

全球物流自动化推动者

## Global Quality. Lifetime Service

Global Logistics Automation Promoter



### 公司分布 Subsidiary

马来西亚和乐、上海和进、金锋馥（滁州）、滁州和传  
Taiwan, Malaysia, China

### 海外客户分布 Customers

韩国、越南、日本、迪拜、丹麦、印度、泰国、巴基斯坦、美国、德国、意大利、阿曼、印尼、马来西亚、菲律宾、约旦  
Korea, Vietnam, Japan, Dubai, Denmark, India, Thailand, Pakistan, United States, Germany, Italy, Oman, Indonesia, Malaysia, Philippines, Jordan

### 合作商分布 Partners

法国、瑞士、荷兰、韩国、泰国、南非  
France, Switzerland, Netherlands, Korea, Thailand, South Africa, India

# 荣誉客户 Honorary Customers

近 40 年行业深耕  
 遍及 20 国 21 个行业  
 上亿台设备制造经验  
 连续 8 年京东物流设备供应  
 客户设备回购率 90%

40 years in the business  
 Covering 20 countries and 21 industries  
 Countless reference in automated equipment  
 JD certified supplier for 8 years in running  
 More than 90% of repurchase rate from existing customers

