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# TRENDS IN CHINA'S AUTOMOTIVE COMPONENTMANUFACTURING INDUSTRY

Market Drivers, Manufacturer Overview, and Intellectual Property Protection Issues

September 2014

- In 2013 sales of new vehicles surpassed the 20 million mark in China and new vehicle sales will continue to drive demand for automotive components.
- The independent aftermarket\* will soon start to grow substantially given the rising number of cars no longer covered by manufacturer warranties.
- As used cars become a more viable option for first time buyers, increased government scrutiny of the developing sales network will positively impact the independent aftermarket.
- Based on these strong fundamentals, China's component manufacturing industry is expected to experience growth of more than 20% per year for the next 5 years.
- While the outlook remains positive, the central government has identified over-capacity as a potential threat for the industry and has put it under observation since early 2012.
- Counterfeiting will increase as the market expands and continue to threaten manufacturer's profits, requiring parts makers to implement stringent intellectual property protection practices.
- Exporting products remains challenging, especially for domestic component manufacturers, due to a lack of technology development and low competence in exporting high value-added products.
- Ongoing pressure from rising labour costs and the expected appreciation of the yuan will continue to challenge exporters of low value components.

Note\*: The independent aftermarket refers to the independent non-OEM aftermarket

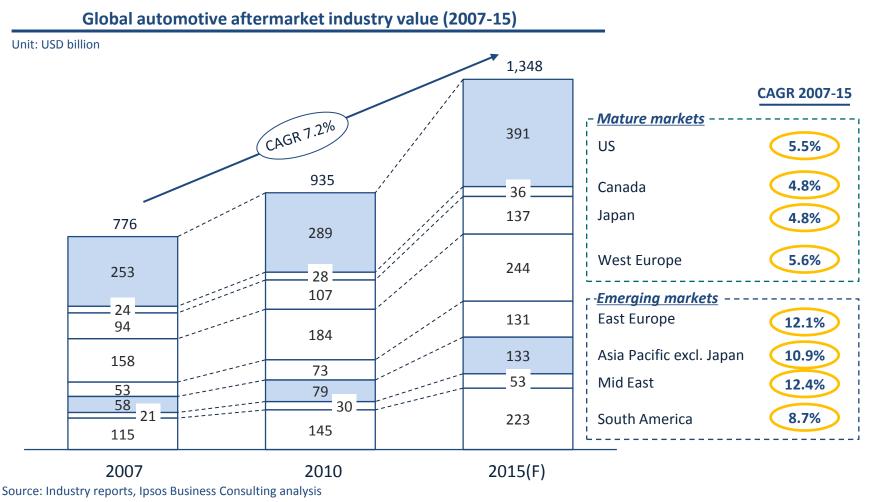






- - DRIVERS OF AUTOMOTIVE COMPONENT DEMAND
  - COMPONENT MANUFACTURER INDUSTRY OVERVIEW
  - INTELLECTUAL PROPERTY PROTECTION BEST PRACTICES IN CHINA
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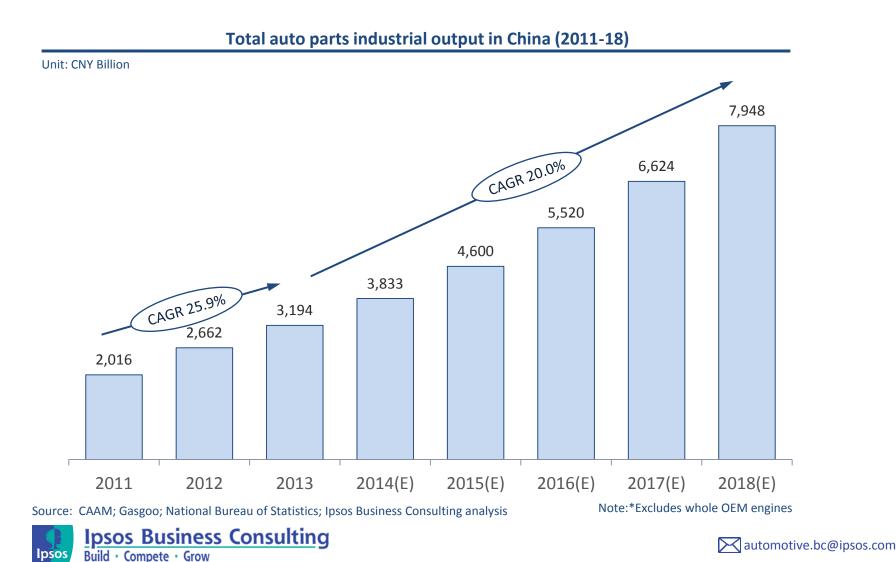
# Global automotive aftermarket is expected to grow healthily over the next several years, driven by strong performance in emerging markets







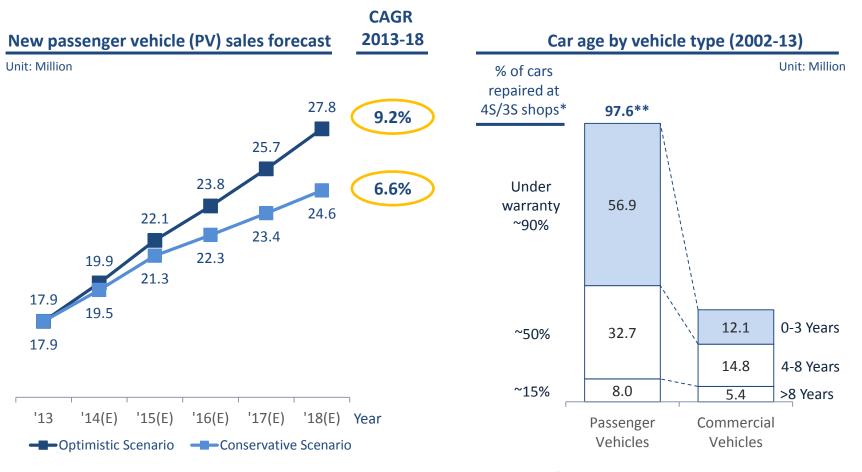
# China will continue to be a key driver of the global automotive parts industry even though growth is expected to slow slightly



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# DRIVERS OF AUTOMOTIVE COMPONENT DEMAND

# While demand for new cars will continue to drive sales of passenger vehicles, the aftermarket will become the new growth engine for components



Source: CAAM, Gasgoo survey, Ipsos Business Consulting analysis



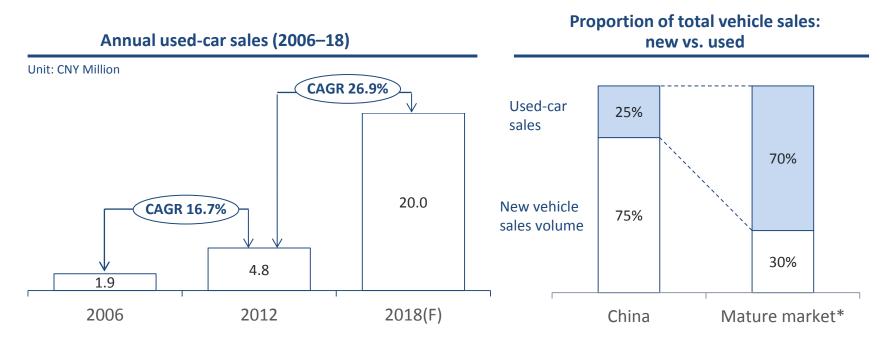
Note\*: 4s refers to automotive repair shops with sales, spareparts, service and survey functions

Note\*\*: The estimation of 2013 population already takes car scrappage into consideration



DRIVERS OF AUTOMOTIVE COMPONENT DEMAND

# As China's used-car market develops, demand for components from the independent aftermarket is expected to increase



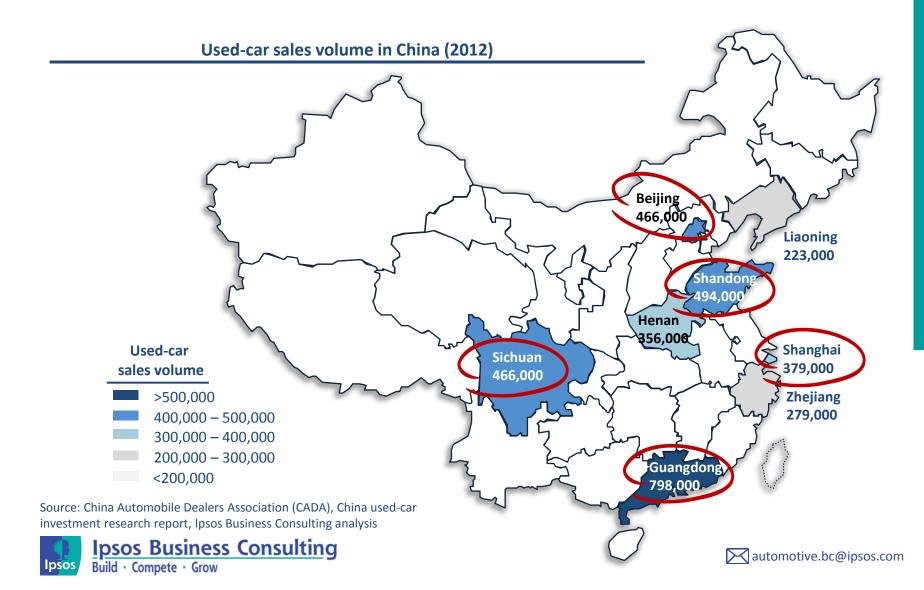
- Chinese consumers typically replace their vehicles 4 to 6 years after the initial purchase. Rapid growth in new vehicle sales in China from 2008 to 2012 will significantly increase supply in the used-car market over the next few years.
- China's current car population has exceeded 100 million vehicles and is expected to rise to 300 million when the market matures, demonstrating the industry's significant growth potential.
- Compared with already mature markets, China is at an early stage of development with ample space for developing the parts industry based on the current mix of new vs used cars in the country.

Note\*: Mature market refers to USA, Canada, Japan, Western Europe Source: China Automobile Dealers Association(CADA), China used-car investment research report, Ipsos Business Consulting analysis

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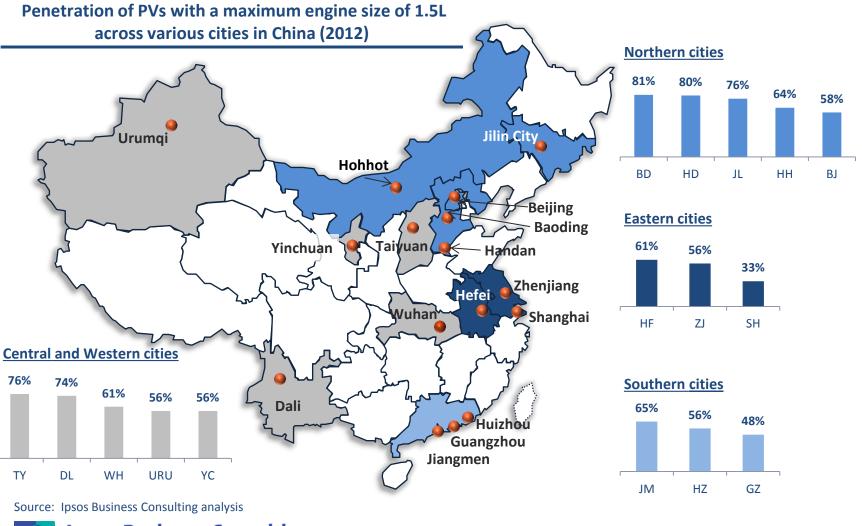
# Regional development of the used-car market is not balanced, with five provinces accounting for 54.3% of used-car sales nationwide



# Wide variation in PV penetration across China provides both national and regional opportunities for automotive component manufacturers

DRIVERS OF AUTOMOTIVE COMPONENT DEMAND

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# China's auto parts industry is concentrated in 6 main clusters with most component suppliers located near to their key markets

#### Industrial clusters and competitive landscape



### Highlights

- In terms of geographical concentration, the location of the auto parts industry is in close proximity to the auto OEM industry
- China's auto parts industry is concentrated within the same 6 regional clusters as most auto OEMs
- Eastern China is the largest cluster for both auto parts (market share of 39%) and the auto OEM industry (market share of 37%)
- Auto parts companies are experiencing the same trends as auto OEMs which are expanding production and sales in western regions



# Foreign-invested enterprises enjoy a much higher average industrial output than domestic enterprises

## Automotive components industry overview (2012)

	Number of enterprises	Industrial (CNY Bil	-	Average industrial output (CNY Billion)
Foreign-invested enterprises	1,941	903	34%	0.47
Private enterprises	2,794	604	23%	0.22
Other domestic enterprises	5,318	1,154	43%	0.22
Total	10,053	2,662	100%	0.26

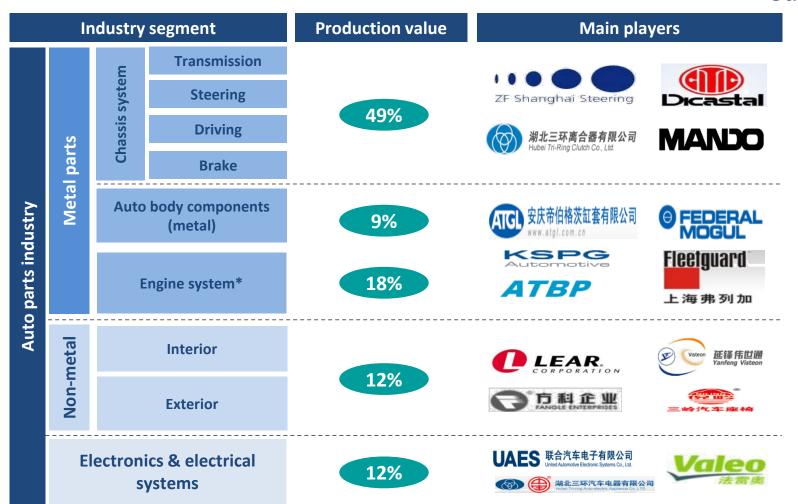
Note: Other domestic enterprises includes state-owned enterprises, collectively-owned enterprises, joint-stock cooperative enterprises, joint-stock enterprises and others

Source: China Automotive Statistics Yearbook 2013, Industrial Report, Ipsos Business Consulting analysis





# Metal processing is the auto parts industry's major segment in terms of output



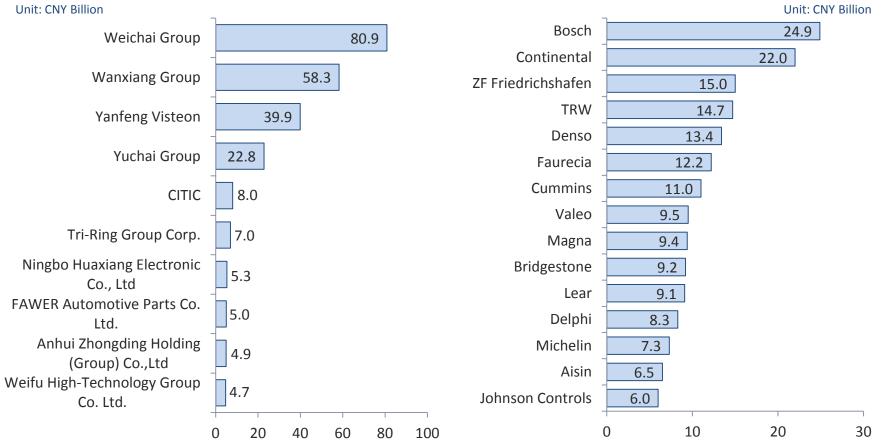
Note: \*Only includes independent engine parts manufacturer, excluding engine OEM companies. Source: Ipsos Business Consulting analysis





# While a few national champions have emerged, international component manufacturers enjoy significant market share in China

## Top 10 domestic component manufacturers in China by revenue (2012)



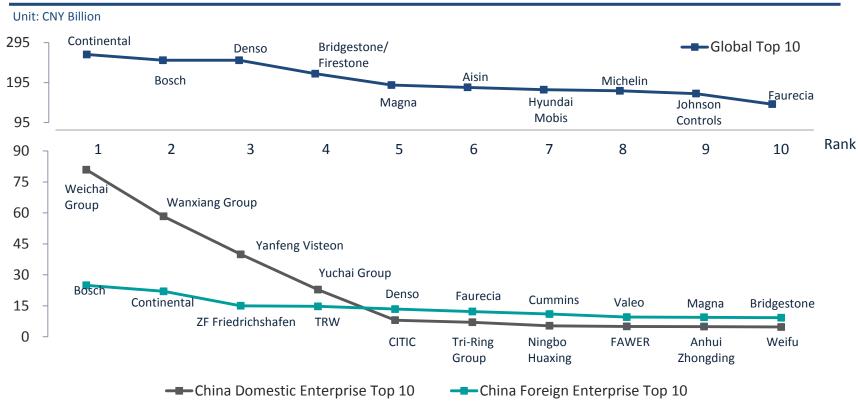
Source: Ipsos Business Consulting analysis



## Top 15 foreign component manufacturers in China by Revenue (2012)



# China's domestic component manufacturers must continue to develop their capabilities to effectively compete globally



#### Ranking comparison of Chinese and global component manufacturers

Note:

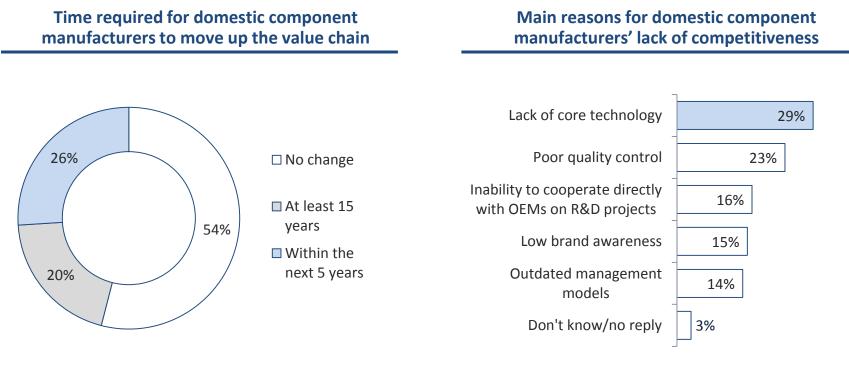
- Comparison to the Global Top 10 Ranking is not precise as data collection and evaluation methodologies vary. The aim is to illustrate the significance of the Chinese and global markets for both foreign and domestic manufacturers.
- Revenues of the Global Top 10 have been converted into CNY based on the 2012 average EUR/CNY exchange rate

Source: Global Top 10 Ranking from Berylls Strategy Advisors, Ipsos Business Consulting analysis

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# Industry experts believe the majority of domestic manufacturers will continue to struggle to increase their competitiveness in the near term



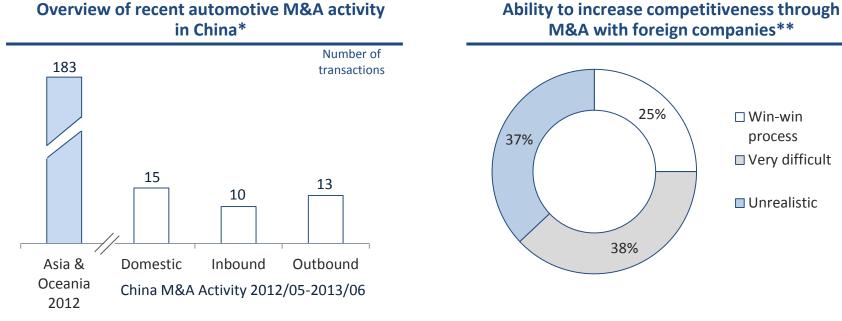
- Many smaller domestic component manufacturers focus on the after sales market which is becoming increasingly competitive
- Export of low-value components will remain strong. Continued appreciation of the Chinese yuan will make exporting to price sensitive regions increasingly challenging

Source: Gasgoo.com (Chinese) & China Business News survey of 2,980 industry analysts and experts in 2012





# M&A strategies remain a hot topic, however, managing an acquisition and subsequent integration is a daunting task for most domestic firms



- Overall M&A activity in China is expected to remain at current levels. However, only a few large-scale private domestic and state-٠ owned enterprises will be actively pursuing M&A strategies
- Foreign companies are expected to continue looking for M&A opportunities to expand their capabilities within the Chinese ٠ market
- For many small-scale domestic component manufacturers, M&A is considered at best a very difficult if not unrealistic process to ٠ develop core technologies and become more competitive

Source\*: Asia & Oceania M&A Activity Thomson Reuters, PWC, Ipsos Business Consulting analysis Source\*\*: Gasgoo.com (Chinese) & China Business News survey of 2,980 industry analysts and experts in 2012





□ Win-win process

□ Very difficult

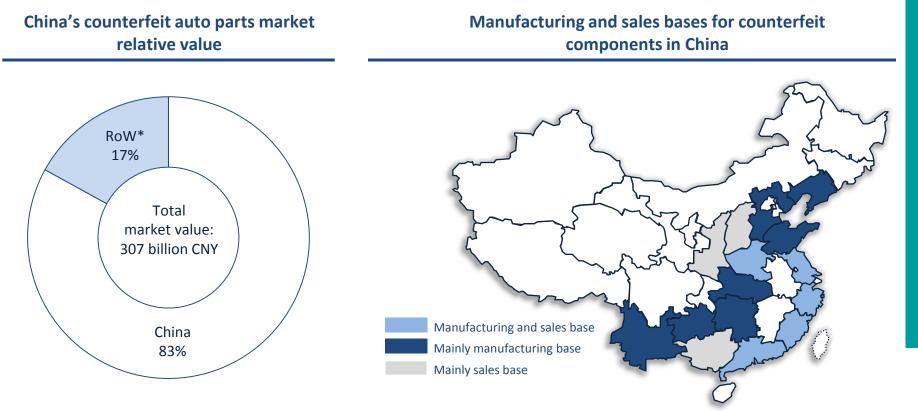
Unrealistic



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# China is the largest counterfeit auto parts market in the world, with an estimated value of CNY 255 billion in 2011



• Guangdong, Henan, Zhejiang, Jiangsu and Fujian provinces are considered to be the largest auto parts counterfeiting regions in China

Note\*: RoW refers to rest of the world





## The central government has improved intellectual property laws, though enforcement of trademark and anti-counterfeiting requires improvement

Government	<ul> <li>Relatively weaker enforcement system         Relative to producers of fake medicine or food, manufacturers of counterfeit auto parts (which may             also cause fatal accidents) have not received serious punishments     </li> </ul>
End-user	<ul> <li>Limited product knowledge         It is estimated that around 90% of ordinary end-users are not able to identify counterfeit parts, while             only 30% of professional end-users are able to identify counterfeits     </li> <li>High price sensitivity         Many end-users do not choose 4S shops or authorised distributors to purchase genuine parts due to             their relatively higher prices     </li> </ul>
Unregistered manufacturers	<ul> <li>Counterfeit component production Currently, a large number of small unregistered component manufacturers are flooding the market with counterfeit products</li> </ul>
Installation channel (end-user channel)	Alternarket products are often installed in small independent workshops that either unknowingly sen

counterfeit products to end-users (car owners) or are directly involved in offering low cost alternatives

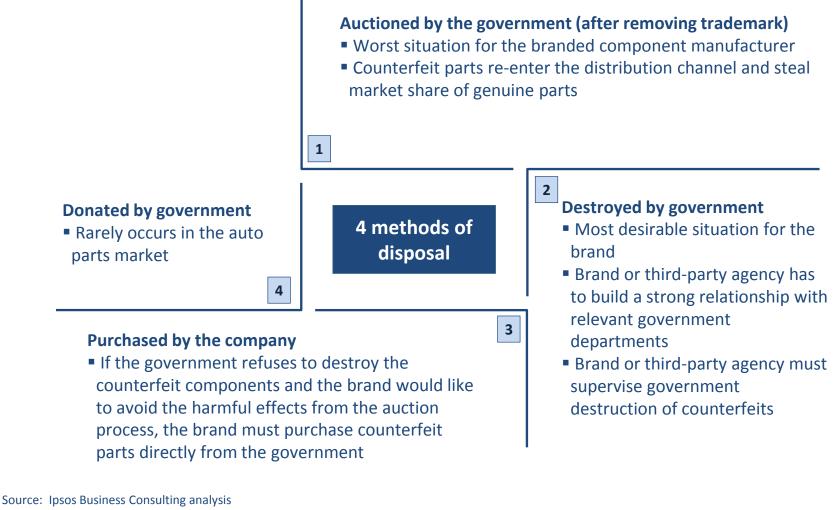
Source: Ipsos Business Consulting analysis

to well known brands





# Local government officials often sell confiscated counterfeit parts back to the manufacturer, or auction them to the public







## Anti-counterfeiting systems are considered the most effective internal strategy for reducing counterfeits and can be supplemented by secondary actions

## Possible methods to strengthen a company's internal strategy



**Update anti-counterfeiting system -** upgrade to a 2-dimensional barcode (double layer design), the most advanced anti-counterfeiting technology available



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- **Strengthen channel management** integrate brand protection performance into the distributor evaluation system
- Limit authorised activity scope of supplier- design, manufacture, label and operating anti-counterfeiting system should be controlled by the brand itself



**Improve end-user education** - promote product identification knowledge through commercial advertisements



Increase end-user brand loyalty - offer superior products and complementary services to end-users to motivate them to use genuine parts

Source: Ipsos Business Consulting analysis

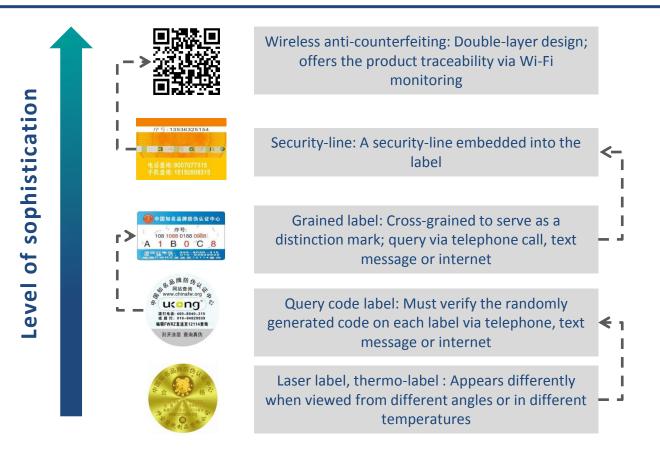




INTELLECTUAL PROPERTY PROTECTION BEST PRACTICES IN CHINA

# Five levels of anti-counterfeiting label technology are currently being implemented in China

## Types of anti-counterfeiting label by level of sophistication

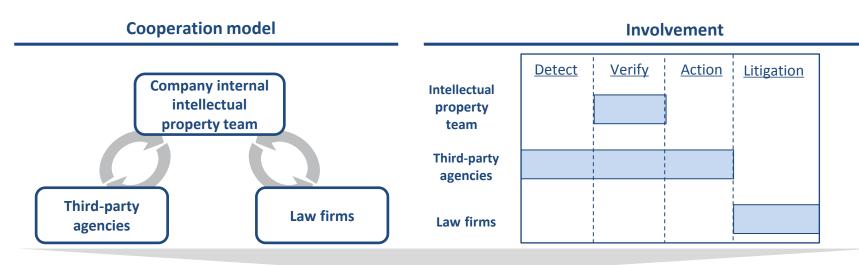


Source: Ipsos Business Consulting analysis





# Cooperating with third-party agencies is the usual model for conducting brand protection work



	Description	
Intellectual property team	<ul> <li>Overall management and case evaluation</li> <li>Team usually consists of 1-2 full-time staff members for overall IP protection work</li> </ul>	
Third-party agencies	Investigation and on-site action Specialised agencies are hired to cover different aspects of IP work. Each agency has its own business specialty and focuses on specific regions	
Law firms	After-case litigation	

Examples of some external agencies\* include: Sinofaith, Wan Hui Da, Unitalen, CTMO, MIZIP and Genuineways

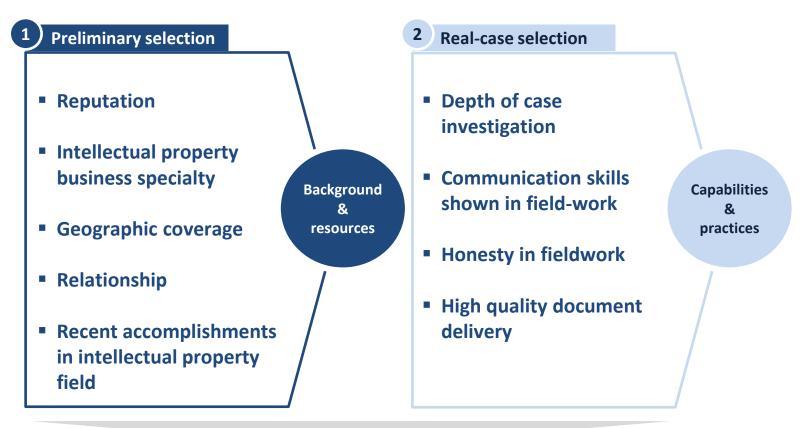
Note\*: IP stands for Intellectual Property Ipsos Business Consulting is not affiliated with nor recommending any of the agencies listed above

Source: Ipsos Business Consulting analysis





## A comprehensive selection process is crucial to assess resources and capabilities when choosing a third-party agency



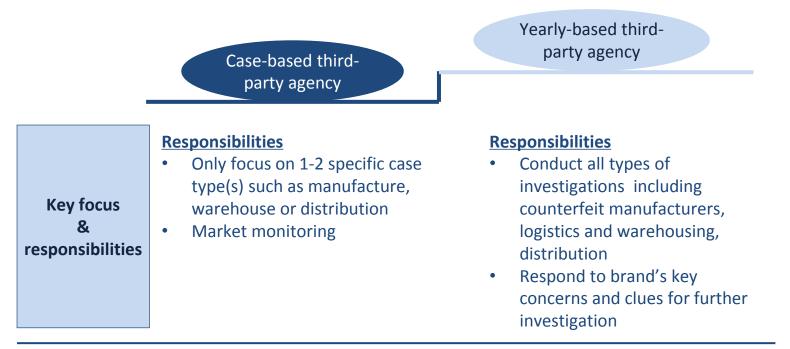
# Third-party agencies should be authorised for case-based cooperation through a two-phase selection process

Source: Ipsos Business Consulting analysis





# Manufacturers also work with third-party agencies on a yearly contractual basis if they are able to meet specific requirements



Specific requirements focus around measurement of success the agencies have in helping the manufacturer protect its intellectual property

- Case success rate
- Percentage of high-value cases
- Depth of investigation

#### Source: Ipsos Business Consulting analysis





# Clear incentives and evaluation structures can be designed to ensure thirdparty agencies remain highly motivated

## "Floating-rate" payment method

- Payment for third-party agencies is based on the total value of counterfeit parts captured per case
- The third-party agencies can obtain an average 20-30% of the total case value, and a maximum payment of CNY 100,000 per case

## Sole long-term partnership

 Willing to offer sole long-term partnership to agency which fulfills brand protection assignments

## **Evaluation**

## Strict elimination system

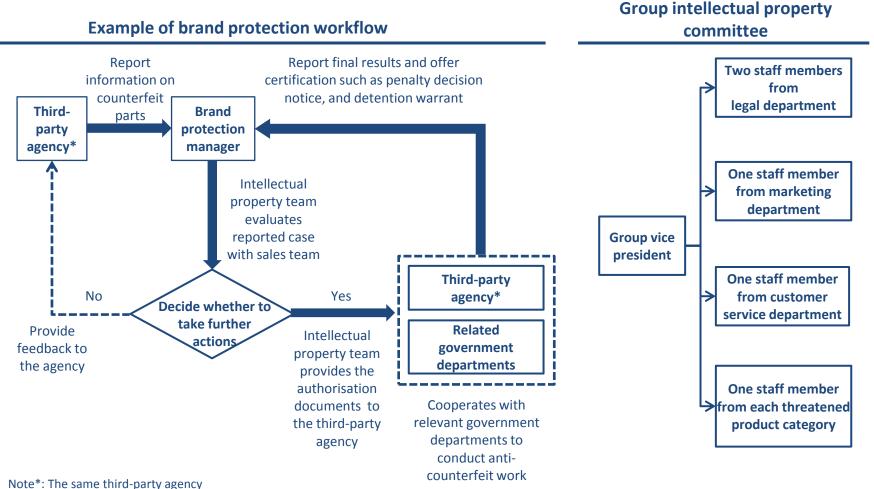
- Agencies that cannot pass the evaluation will be excluded without hesitation
- Depth of investigation is a key indicator in evaluating an agency. For example, the manufacturer should end cooperation with an agency if the firm only focuses on taking down counterfeit sales sites and warehouses instead of following clues and further investigating the original manufacturing sites

## Incentives





# Typical brand protection workflow and IP committee organisation for successful and efficient IP management



Source: Ipsos Business Consulting analysis







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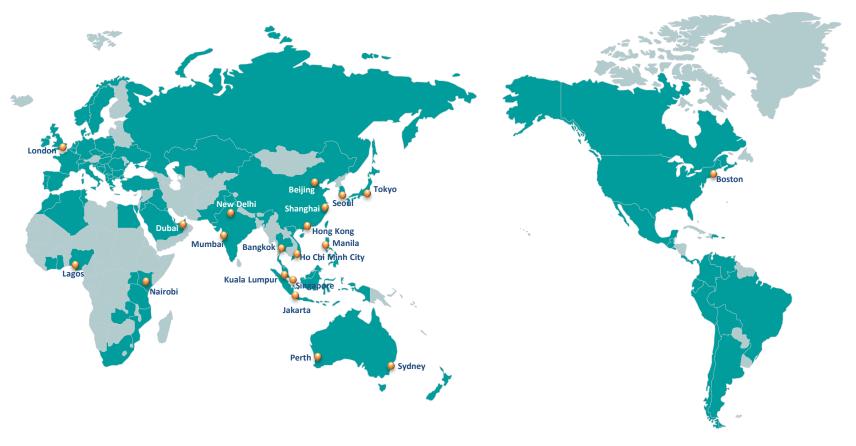
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