

# Equities



#### The BMW N20 engine made by Xinchen



1148 HK	Outpe	erform
<b>Price</b> (at 07:59, 17 Mar 2015 GMT)	HK	\$2.80
Valuation - PER	HK\$	4.50
12-month target	HK\$	4.50
Upside/Downside	%	+60.7
12-month TSR	%	+60.7
Volatility Index		High
GICS sector	Autom	obiles &
	Com	ponents
Market cap	HK\$m	3,605
Market cap	US\$m	464
Free float	%	32
30-day avg turnover	US\$m	0.4
Number shares on issue	m	1,287

### **Investment fundamentals**

Year end 31 Dec		2013A	2014E	2015E	2016E
Revenue	m	2,586.2	2,752.7	3,649.0	4,043.9
EBIT	m	334.7	385.7	629.7	752.5
EBIT growth	%	-8.1	15.2	63.3	19.5
Reported profit	m	270.7	288.1	461.6	554.0
EPS rep	Rmb	0.22	0.22	0.36	0.43
EPS rep growth	%	-28.0	0.7	60.2	20.0
PER rep	х	10.2	10.1	6.3	5.2
ROA	%	8.9	7.9	10.5	10.7
ROE	%	15.5	12.4	17.1	17.4
EV/EBITDA	Х	5.7	4.9	3.0	2.5
Net debt/equity	%	-46.5	-16.4	-5.0	-10.4
P/BV	х	1.3	1.2	1.0	0.8

Source: FactSet, Macquarie Research, March 2015 (all figures in Rmb unless noted, TP in HKD)

### Path to 100% Upside

We view Xinchen Power as an Emerging Leader that can potentially generate a 100% return over 3 years.

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Macquarie Capital Securities Limited

# **Xinchen Power**

# Part of BMW engine supply chain

# Initiate coverage with an Outperform rating and TP HK\$4.50

We initiate coverage of Xinchen China Power with an Outperform rating and a target price of HK\$4.50, based on 10x FY15E PER. We expect Xinchen to deliver an EPS CAGR of 39% pa over FY14-16E, driven by strong growth in its engine and parts business supplying BMW Brilliance (BBA). We expect BMW-related revenue to jump more than three-fold over the next three years – from ~Rmb500m in 2014E to ~Rmb1,700m in 2016E.

## Leveraging relationship with BMW Brilliance

Xinchen is an associate of Brilliance China Automotive (1114 HK, HK\$13.80, Outperform, TP: HK\$18.30). In 2014 it started to supply BBA with the BMW N20 engine as well as parts. In the longer term, we believe Xinchen will continue to leverage the close relationship between its controlling shareholder Brilliance and BMW AG to obtain more BMW-related business. In addition, tapping into the BMW engine supply chain will help improve Xinchen's R&D capabilities for its own brand engines and potentially bring more business opportunities with other OEMs.

# BMW engines are the growth driver

Xinchen was authorized by BMW AG in December 2012 to manufacture the N20 engine, and production started in 2014. The company subsequently become a connection rod supplier in November 2013 and in January 2015 it was awarded a contract for crankshafts. We expect BMW-related revenue to contribute 18% and 38% to Xinchen's overall revenue in 2014E and 2015E, respectively. As the BMW business is more lucrative than Xinchen's own business, we also expect the overall GP margin to expand from below 20% in 2013 to over 25% in 2016E.

We believe Xinchen will be a major beneficiary of the success of BMW, particularly BMW Brilliance's high growth in China. The close strategic relationship between BMW and Brilliance is resulting in more BMW models being locally produced in China (Brilliance - Maximising potential of line-up, February 2015), and therefore creates more opportunities for Xinchen's BMW engine and parts business.

#### Valuation and risks

Our target price of HK\$4.50 is based on 10x 2015E PER, in line with the multiple we give for Brilliance. We believe Xinchen will grow faster than Brilliance in the next few years benefiting from the new BMW business and improving engine brand image supported by advanced BMW technology. We believe the high growth potential from the BMW business is still under-appreciated by the market. We are adding the stock to our Emerging Leaders Conviction List, and believe the share price can double in 3 years time. The stock is currently trading on only 6.3x 2015E PER.

Major risks include a significant slowdown in China's auto market, lower-thanexpected BMW-related revenue and a decline in Xinchen's own brand engine business.

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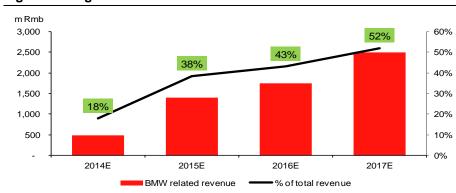


Source: FactSet, Macquarie Research, March 2015

# Company profile

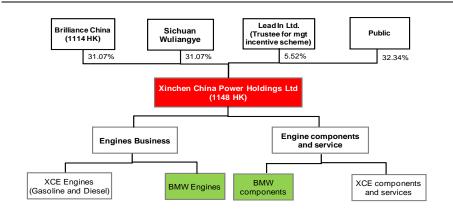
- Xinchen China Power Holdings Limited (1148 HK) is a leading automotive engine manufacturer in China. Xinchen develops, manufactures and sells engines for passenger and light duty commercial vehicles. The company sells its products under the brand name of XCE 新晨动力.
- Xinchen was listed on the main board of the Hong Kong Stock Exchange in March 2013. Xinchen is the engines entity under Huachen Group, which owns 42.48% of Brilliance China (BCA, 1114 HK). As at 30 June 2014, Brilliance owned 31.07% of Xinchen's outstanding shares while Sichuan Wuliangye is the other major shareholder, also with a 31.07% interest in Xinchen.
- Xinchen was authorized by BMW AG of Germany in December 2012 to manufacture the N20 engine, and production started in 2014. The company has been seeking a more extensive and comprehensive strategic cooperation with BMW AG and BMW Brilliance (BBA, the joint venture between BCA and BMW AG) by initiating the N20 engine project, with an aim to eventually become a stable engine and parts supplier to BBA and BMW AG.
- Xinchen subsequently acquired the connection rod and crankshaft production lines from Huachen group in November 2013 and January 2015, respectively. The connection rod and crankshaft are two of the five key engines parts, and these transactions will further strengthen Xinchen's relationship and open more business opportunities with BMW and BBA.

Fig 1 Rising revenue contribution from BMW business



Source: Company data, Macquarie Research, March 2015

Fig 2 Xinchen structure and business segments



Note: The shareholding structure is as at 30 June 2014 Source: Company data, Macquarie Research, March 2015

# Part of BMW engine supply chain

# Initiating coverage with an Outperform rating and TP of HK4.50

We initiate coverage on Xinchen Power with an Outperform rating and target price of HK\$4.50, which is based on 10x FY15E PER.

BMW business boosts revenue by 22% pa in 2015-2016E

# BMW business boosts revenue and profitability in 2015-2016E

Xinchen started to manufacture and sell the BMW N20 engine and parts in 2014. We expect BMW-related revenue to jump more than three-fold over the next three years – from ~Rmb500m in 2014E to ~Rmb1,700m in 2016E, boosting overall revenue by 22% pa in 2015-2016E. The BMW-related revenue is estimated based on the contracted transaction limitations agreed between BMW Brilliance and Xinchen; thus there is limited downside risk. Moreover, since the BMW business has a much higher GP margin than Xinchen's own business, we expect the overall GP margin will expand from 19.7% in 2013 to 26% in 2016E.

Fig 3 Xinchen financial highlights

(m Rmb, except for EPS)	2012	2013	2014E	2015E	2016E
Total sales revenue	2,573	2,586	2,753	3,649	4,044
YoY	11%	1%	6%	33%	11%
BMW-related revenue	-	-	492	1,400	1,743
YoY	-	-	-	185%	25%
GP margin	20.1%	19.7%	21.7%	24.9%	26.1%
NPAT	290	271	288	462	554
YoY	11%	-7%	6%	60%	20%
EPS (Rmb)	0.31	0.22	0.22	0.36	0.43
EPS (HKD)	0.38	0.28	0.28	0.45	0.54
PER (x)			10.0	6.3	5.2

Note: PER is based on HK\$2.80 as of 17 March 2015 market close

Source: Company data, Macquarie Research, March 2015

BMW business opens the door to long-term growth

#### Tapping into the BMW engine supply chain opens the door to growth

In the longer term, we believe Xinchen will continue to leverage the close relationship between its controlling shareholder Brilliance and BMW AG to obtain more BMW-related business. As BMW has committed to three more models to be locally produced in China, Xinchen is likely to become the long-term beneficiary of BMW's success in China – assuming it can prove itself by manufacturing the N20 engines and parts. Xinchen has been in negotiations with BBA for the transfer of the improved crankshaft production line for the new generation Bx8 engines, which will be deployed with the new BMW front-wheel-drive platform. This opens room for continued high growth beyond 2016.

Attractive valuation with 60% EPS growth in 2015E

#### Attractive valuation with good 12-month visibility

We expect Xinchen to report strong EPS growth of 60% in 2015E and further growth of 20% in 2016E. The share price corrected from HK\$4.40 since last November (vs HSI +4.1%) due to concerns over the sluggish performance of its own brand engines and Brilliance's slower growth in 2015, but it bottomed out at HK\$2.21 in January and has rallied over 30% since the announcement of a new contract from BBA. The current share price implies only 6.3x/5.2x 2015/16E PER, which is very attractive among the global auto parts names. Our target price of HK\$4.50 is based on 10x 2015E PER. We believe 2015 will be a strong year for Xinchen.

## Ramping BMW engine business drives growth

# BMW business – the growth driver

# The BMW N20 engine – ramping production, boosting revenue

The BMW N20 engine is a turbocharged straight-4-cylinder gasoline engine that has been in production since 2011.

While the N20 engine is a straight-4-cylinder, it is considered a replacement for its straight-6 cylinder predecessors, the N52 and N53, because it produces similar horsepower with greater lower-end torque and better efficiency. The N20 was placed in Wards Top 10 Engines in 2012 for its innovative 4-cylinder design for smaller engines as emission standards are becoming more stringent worldwide.

Fig 4 The award winning high efficiency 4-cylinder N20 engine



Source: Company data, February 2015

N20 offers high horsepower and better efficiency with a turbo charger



Source: Company data, February 2015

Highly efficient N20 engines are widely used on BMW models

As shown in Fig 6, the N20 engine is currently deployed on all three BMW models locally produced by BBA and is the most widely used engine among various BMW engines. Xinchen received authorisation from BMW in December 2012 to manufacture the N20 engine and entered into a further agreement with BBA in May 2014 to supply the N20 engine as well as the connection rod, a key part of the engine that can also be used on other BMW engines.

Fig 6 N20 engine is widely used on all locally produced BMW models

			3 Series sedan			5 Series sedan			X1 SUV			
Engine models		316i	320Li	328Li	335Li	520Li	525Li	530Li	535Li	sDrive18i	sDrive20i	sDrive28i
	N13	✓										
4-cylinder gasoline	N20		✓	✓		✓	✓				✓	✓
	N46									✓		
6-cylinder gasoline	N52							✓				
	N55				✓				✓			

Source: Company data, Macquarie Research, February 2015

The production line for the BMW N20 engine was ready in June 2014, with a designed capacity of 50,000 units. Deliveries commenced in September 2014. The engines are sold to BBA and currently only deployed on the BMW 5 Series 520Li. The engines will also be supplied to the new premium Jinbei MPV, Huasong 7, which was officially launched in November 2014 and should start shipments in 1Q 2015.

#### Volume assumptions - rising volume and capacity

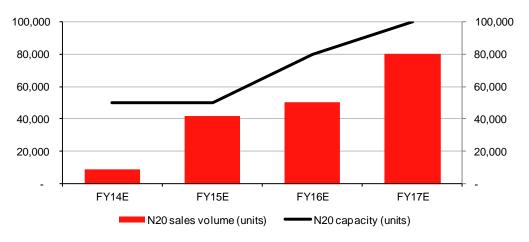
N20 unit sales in September 2014 were 1,000 units, and we believe production gradually ramped to 3,000 units per month by December 2014.

- We have therefore estimated sales volume for 2014 to be 9,000 units. (1,000 units in September, 2,500 units each in October and November, 3,000 units in December).
- For 2015, we assume Xinchen can sell 3,000 units per month in the 1H and 4,000 units in the 2H, totalling 42,000 units for the full year; this would represent an 84% utilisation rate of the current 50,000 unit capacity.

The current capacity of 50,000 units can be expanded to 100,000 units with the Phase II factory. The exact schedule of the Phase II factory has not been announced yet, so we assume the capacity will only be expanded to 100,000 units by the end of 2016, providing effective capacity for 2016 of 80,000 units. On this assumption, 2017 annual capacity will be 100,000 units.

- For 2016, we expect Xinchen can reach current full capacity of 50,000 units. There is upside to this assumption should new capacity come on stream earlier than expected.
- For 2017, we assume sales volume of the N20 engine can reach 80,000 units.

Fig 7 Estimated N20 sales volume and capacity



Source: Company data, Macquarie Research, February 2015

#### ASP assumptions - based on MRSP of BMW 520Li

The other major assumption we have to make is the ASP of N20 engines.

- As shown in Fig 8, we start from the BMW 520Li MRSP of Rmb429,000 and assumed a GP margin of 23%, and this will result in a direct cost (COGS, VAT included) of Rmb330,000.
- The engine price is usually 10%-15% of the cost of a whole vehicle, and we take the midpoint 12% due to a lack of track record on pricing. After deduction of 17% VAT, the estimated ASP of the N20 engine is Rmb33,000/unit.
- In addition, we assume that the ASP will come down 5% per year in 2015 and 2016 as Xinchen gradually achieves production scale, as OEMs normally would require price cuts on parts each year.
- We believe the ASP of this engine will be significantly lowered to Rmb25,000 in 2017 as it approaches the end of its life cycle, and replacements should be launched by then.

but it may come earlier

We expect capacity

expansion by 2016,

Est. ASP of Rmb33k is based on 12% of 520Li COGS

Fig 8 Estimated ASP of Xinchen manufactured BMW N20 engines

2014E	2015E	2016E	2017E
429			
330			
33	31	30	25
	429 330	429 330	429 330

Source: Company data, Macquarie Research, February 2015

### The engine 5 Cs – now authorised to produce 2 Cs for BMW

An engine, which converts energy into useful mechanical motion, is the most crucial part of an automobile. There are five key components of an engine, namely, connection rod, crankshaft, cylinder block, camshaft and cylinder head, and they are often referred to the engine 5 Cs. Fig 9 shows their key functions.

Fig 9 Key functions of the 5 Cs

A connection rod is the most essential engine part. placed between piston and crankshaft. It converts the linear reciprocating motion of piston to rotational notion for engine power transmission. It is subject to rod extremely high mechanical impacts, rotational noments and high temperatures A crankshaft is a mechanical part that converts between reciprocating motion and rotational motion. It 02 Crankshaft is subject to high-speed rotation and a high-impact nvironment A cylinder block is an integrated structure comprising the cylinder(s) of a engine and often some or all of Cylinder 03 heir associated surrounding structures. It is the place block where energy created from ignition and combustion is ransmitted to pistons and crankshafts. A camshaft is a shaft to which a cam is fastened or of 04 Camshaft vhich a cam forms an integral part. A cylinder head is on top of the cylinder block. It Cylinder 05 closes in the top of the cylinder, forming the head mbustion chamber

Note: Based on information from a variety of engine web-sites Source: Macquarie Research, February 2015

Fig 10 5 Cs are key for engines



Source: ChinaAutoWeb, February 2015

Xinchen is now authorised to produce 2 of 5 key BMW engine Cs Apart from manufacturing the BMW N20 engines, Xinchen subsequently acquired the **connection rod** and **crankshaft** production lines from Huachen group in November 2013 and January 2015, respectively. Xinchen manufactures these two key engine components, and BBA is the exclusive buyer of these products. Xinchen highly values the strategic relationship with BMW and is making steady progress on securing more business opportunities with BMW and BBA.

Xinchen started manufacturing and selling connection rods in early 2014 and guided 2014 full year deliveries to be around 1m units and 1.6m units for 2015. This new parts business significantly boosted Xinchen's engines components and service revenue to Rmb137m in 1H2014, up from Rmb19m in 1H2013.

Going forward, we expect the contribution to Xinchen's overall revenue will remain below 10%, but being a BMW core engine component supplier should help improve the quality and brand image of Xinchen's own engine business

In addition, the GP margin on engine parts is much higher than engines. We expect the GP margin for the engine components and service business will stay above 40% in 2015-17E, as compared with below 20% GP margins on Xinchen's own brand engine business. Thus, the GP contribution level from connection rods, crankshafts and any other potential parts should be higher than their revenue contribution.

# BMW transaction caps support growth visibility

# **BMW** transaction limitations underpin volume

Currently, all BMW N20 engines and engine parts manufactured by Xinchen are to be sold to BBA and Brilliance for the Huasong MPV, and Xinchen cannot sell them elsewhere based on agreements with BMW. In the latest HKEx <u>announcement</u> (January 2015, page 24), Xinchen disclosed the annual transaction caps of BMW related business for 2014 to 2016 as shown in Fig 11.

We estimate that the utilisation rate of the annual cap would be 95%, 85% and 100% in 2014-16. We assume a utilisation rate of just 85% for 2015 since Xinchen's new crankshaft business was only recently secured in late January, and it would normally experience a few months' ramp-up. We note, however, that Xinchen has proved to be on schedule for launching new BMW related businesses, and there is a chance the utilisation rate could be higher than 85%; this would provide upside to our 2015E earnings.

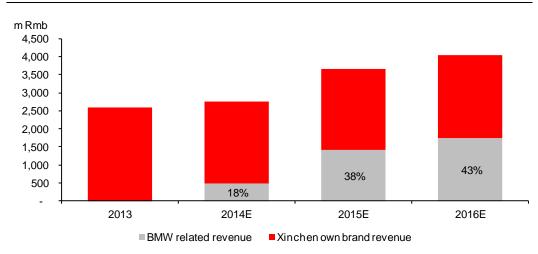
Fig 11 Annual caps on sales revenue by Xinchen to BBA

(m Rmb)	2014	2015	2016
Annual caps for BBA transactions	518	1,647	1,743
est. utilisation rate of cap	95%	85%	100%
est. annual transactions with BBA	492	1,400	1,743
Source: Company data, Macquarie Research, F	ebruary 2015		

Big jump in BMW revenue in 2014-16E

The revenue contribution from BMW businesses only started from 2014, and on our estimates, the revenue contribution should accelerate over the next three years and reach 43% of Xinchen's overall revenue in 2016.

Fig 12 Big jumps in revenue contribution from BMW business



Source: Company data, Macquarie Research, February 2015

# Beyond 2016... limited visibility but hopeful of increased BMW business

Xinchen has only disclosed the BMW transaction limitations until 2016; we believe BMW and BBA are still evaluating Xinchen's capabilities to become a long-term core parts supplier. Therefore, we have limited visibility for growth beyond 2016 at the current stage.

In addition, the new generation of BMW *5 Series* will come to the market in 2017. This would imply the gradual retirement of the current BMW N20 engines. It thus is crucial for Xinchen to secure either the next generation of BMW engines or other parts business.

Future growth rests on next generation BMW engines Based on the latest HKEx <u>announcement</u> in January, we learned that BBA has been in the process of upgrading the crankshaft production line to enable it to produce crankshafts for the newer BMW Bx8 engines and expanding the production capacity of the production line as well. BBA and Xinchen are in negotiation for the transfer of Bx8 engines related improvements and the potential supply of the Bx8 finished crankshaft. This highlights the potential for Xinchen's further growth beyond 2016. We believe more colour will be available to the market after BBA announces a more concrete launch time line for its new models, likely in August 2015 during half year results meeting.

A leading independent branded engine supplier to various OEMs

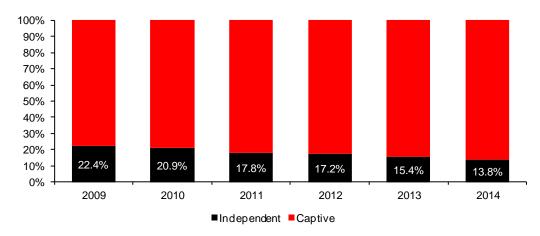
# Xinchen engines – stable is best

Xinchen is a leading auto engine manufacturer in the independent branded engine market in China. These engines are branded "XCE 新晨动力" and are mainly supplied to the passenger vehicle (PV) and light commercial vehicle (LCV) markets in China. Major customers include Huachen Group (Zhonghua Brand), Brilliance China (Jinbei Brand), Zhengzhou Nissan, etc. Major customers account for over 70% of overall sales revenue for Xinchen's own engines.

Engine suppliers can be classified as independent or captive engine manufacturers. Independent branded engines are supplied to various auto OEMs and retain their own brand independent from the brand of the OEMs. In contrast, captive engine manufacturers generally provide their engines exclusively to affiliated auto OEMs and engines adopt the same brands as the OEMs.

It is a tendency that OEMs would prefer to make engines in-house as they can simultaneously design the engines from the initial R&D stage of a new car model. Total sales volume of all independent branded engines actually declined slightly from 2.93m units in 2009 to 2.91m units in 2014, despite the 11.5% CAGR of the China auto market over the same period. As shown in Fig 13, the market share of independent branded engines also came down gradually from 22.4% in 2009 to only 13.8% in 2014. We are cautious on the outlook for the independent engine sector overall.

Fig 13 Declining market share of independent branded engines in China



Source: CAAM, Macquarie Research, February 2015

Competitive edge of Xinchen's own brand engines We believe Xinchen has a number of competitive edges that can help it maintain a relatively stable sales volume of its own brand engines including:

- Close ties with Huachen Group: Although Xinchen's engines are independently branded, Xinchen is an integral part of the Huachen Group and is the sole engine entity under this Group. Therefore, Xinchen faces little risk of losing its largest customer or being replaced by other engine manufacturers. The performance of Xinchen engines is closely tied to Huachen Group's car sales, specifically Zhonghua brand PVs (Fig 15).
- Product mix: Xinchen is primarily focused on light-duty engines, and over half of its
  models have a displacement at or under 1.6L. This is a healthy product mix as most car
  makers are adopting smaller engines in order to meet the ever-more stringent emission
  standards in China.
- Cooperation agreement with FAW Jilin: Xinchen entered into a cooperation agreement with FAW Jilin and became a supplier in 2011. Based on the agreement, Xinchen will manufacture its own brand engines on FAW Jilin's engine production line exclusively and then sell to FAW Jilin at a discounted price. Xinchen engines are now deployed on FAW Jilin Senya MPVs (Fig 16). No extra expense or capex has been incurred. The annual capacity of this production line is 40,000 units. The contribution from this cooperation should be fairly stable.

Enhanced R&D capabilities from BMW relationship: As Xinchen is producing BMW N20 engines and getting regular support from BMW technicians, we believe Xinchen's own R&D capabilities are being positively influenced and improved. In the long term, after the BMW N20 retires, Xinchen is likely to get the full technology and sell the engine under its own brand. This should also help with Xinchen's own brand performance.

We cautiously forecast flat to slow growth Based on the above reasons, we believe the best case for the Xinchen brand engine business would be to remain stable over the next two years. As shown in Fig 14, we expect gasoline engine sales volume to remain flat YoY in 2015E-2016E as most of Zhonghua's models are sedans, and domestic brand sedan performance continues to be under pressure as SUVs gain share. We are more optimistic on the outlook for diesel engine performance than that for gasoline engines because Xinchen's light-duty engines are attractive to many CV OEMs. Therefore, we estimate diesel engine unit sales can grow 5% pa in 2015E-2016E. Overall, we expect Xinchen brand engines to remain flat or slightly increase over the next two years before we see any concrete improvement in its products or new relationships with other OEMs.

Fig 14 Xinchen brand engines sales volume

Volume (units)	2011	2012	2013	2014	2015E	2016E
Gasoline engines	210,560	245,346	256,050	209,126	209,126	209,126
Diesel engines	19,694	21,822	19,663	23,517	24,693	25,927
Xinchen brand engines	230,254	267,168	275,713	232,643	233,819	235,053
YoY change						
Gasoline engines	10.8%	16.5%	4.4%	(18.3%)	0.0%	0.0%
Diesel engines	32.9%	10.8%	(9.9%)	19.6%	5.0%	5.0%
Xinchen brand engines	12.4%	16.0%	3.2%	(15.6%)	0.5%	0.5%
Note: Engine unit sales data Source: Company data, CA			ch 2015			

Fig 15 Zhonghua's best selling model *H330* carries a Xinchen engine



Source: Macquarie Research, March 2015

Fig 16 FAW Jilin *Xenia (Senya)* MPVs also use Xinchen engines



Source: Macquarie Research, March 2015

Valuation is attractive and below auto sector average

# Valuation, recommendation, risks

# Valuation is below auto sector average

### Target price of HK\$4.50 based on 10x FY15E PER

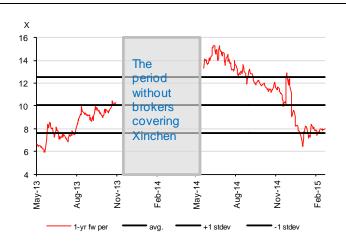
Our target price of HK\$4.50 is based on 10x FY15E PER. The target valuation multiple is the same as the 10x we use for Brilliance as we believe Xinchen will continue to leverage its close strategic relationship with BBA, benefiting from BMW's success and high growth in China

However, the 10x multiple is lower than the 12x we use for the auto parts company Huayu (Initiation report, <u>Standing on the shoulders of giants</u>, January 2015). Reasons for the lower target valuation include:

- Lack of diversified customer base: Auto parts companies are generally trading on a 10-12x forward PER, a premium vs. carmakers in the global market, which are at 9-10x, because auto parts suppliers have a broader customer base, which mitigates the risk of the model cycle that OEMs have to face. However, Xinchen does not have a broad customer base; rather, it is highly reliant on its existing major customers and future growth prospects rest on BBA.
- Lack of visibility beyond 2016: The BMW contract details as currently disclosed are only
  up to 2016. We believe BMW will be evaluating Xinchen over the next two years before we
  can see more growth visibility for Xinchen beyond 2016.

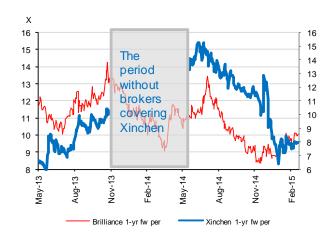
High correlation on stock movement between Xinchen and Brilliance Xinchen has been trading at an average of 10.2x since its listing in 2013. There were no brokers covering Xinchen until April 2014; therefore there is a blank period as shown in the forward PER charts below. In 2013, the stock trended higher as the potential of its BMW business was disclosed to the market. During 2014, the stock multiple trended lower partly because consensus expectations kept rising and partly because it moved in line with Brilliance's forward PER as show in Fig 18. There is a strong correlation in the stock price movements with an R-squared of 0.75 between Xinchen and Brilliance. This helps justifies our rationale of assigning same target valuation multiple to Xinchen and Brilliance.

Fig 17 Xinchen 12-m forward PER



Source: FactSet, Macquarie Research, March 2015

Fig 18 Xinchen PER moves in line with Brilliance



Source: FactSet, Macquarie Research, March 2015

# Scenario analysis

We estimate the downside/upside to our earnings estimates and price target.

 Bull-case: A higher-than-expected utilisation rate of BBA transaction limitations would result in higher revenue contribution from BMW related revenue, which would also help to lift the overall GP margin. In the bull-case scenario, we also assume its own brand engines can grow 5% and 10% p.a. for gasoline and diesel engines, respectively.

- ⇒ EPS would be 14%/12% higher than our base-case estimates in 2015E/16E, respectively;
- ⇒ The stock trades at a higher valuation multiple of 12x, catching up with other auto parts companies. Valuation would be HK\$6.18 based on our estimates.
- Bear-case: A lower-than-expected utilisation rate of BBA transaction limits would result in a lower revenue contribution from BMW related revenue, which would also hurt overall GP margin expansion. In the bear-case scenario, we also assume its own brand engines face heightened competition, thus posting a 4.5% pa annual decline.
  - ⇒ EPS would be 20%/18% lower than our base-case estimates in 2015E/16E, respectively;
  - ⇒ We factor in a valuation de-rating for the company as investors see less exposure to the BMW business. On this scenario the valuation could remain low at HK\$2.90, which is roughly at the current level.

Fig 19 Scenario analysis on 2015-16E earnings

		2015E			2016E	
(m Rmb, except for EPS)	Bear	Base	Bull	Bear	Base	Bull
Key BMW assumptions						
Utilisation rate of BBA transaction limits	70%	85%	100%	<b>85</b> %	100%	115%
BMW related revenue	1,153	1,400	1,647	1,482	1,743	2,005
Own brand engines YoY						
_	/E0/\	0%	5%	(E0/)	0%	5%
Gasoline engines Diesel engines	(5%) 0%		10%	(5%) 0%	5%	5% 10%
		5%				
Own brand engines	(4.5%)	0.5%	5.5%	(4.5%)	0.5%	5.5%
Sales revenue	3,296	3,649	4,002	3,676	4,044	4,412
GPM	23.8%	24.9%	25.7%	25.2%	26.1%	26.8%
Gross profit	785	907	1,029	928	1,056	1,184
NPAT	371	462	527	454	554	619
EPS (Rmb)	0.29	0.36	0.41	0.35	0.43	0.48
EPS (HKD)	0.36	0.45	0.51	0.44	0.54	0.60
Vs. base-case	-20%		14%	-18%		12%
Target PER multiple (x)	8	10	12	8	10	12
Valuation (HKD)	2.90	4.50	6.18	3.55	5.41	7.25

Source: Company data, Macquarie Research, March 2015

# **Emerging Leaders Conviction Idea: The path to 100% upside**

We add Xinchen Power to our Emerging Leaders Conviction List, and believe the stock price can double in three years' time, assuming BMW related revenue comes through as expected. As shown in Fig 20, if we roll forward our base case 10x PER multiple to 2017, the target price implies over 100% upside. Under our Bull case assumption as illustrated in the scenario analysis shown in Fig 19, the stock price could possibly double by 2016 if the BMW related revenue exceeds our expectation and the stock trades at a higher valuation multiple of 12x, in line with other auto parts companies.

(HK\$) 8.0 7.0 1.73 6.0 5.0 current price 4.0 1.61 3.0 4.51 2.0 2.90 1.0 Base Case 2017 - PER roll 12m Target Price (10x PER) Bear Case - lower-than-Base Case 2016 - PER roll expected BMW revenue forward 3 years forward and a valuation de-rating

Fig 20 Water flow chart: The path to 100% upside in 3 years

Source: Macquarie Research, March 2015

# HK\$4.84 fair value using ROE-g/COE-g based on 2014-16E average

The fair value is HK\$4.84 using ROE-g/COE-g on our normalised 2014-16E estimates, close to our price target of HK\$4.50 based on 10x FY15E PER. As we expect 2015E to be a high growth year benefiting from the significant rising contribution from BMW related business, 2015E implied fair value is higher at HK\$5.31.

	ROE 2015E	Normalised 3y ROE (2014-2016E)
	0.96	0.96
(%)	3.50%	3.50%
(%)	6.5%	6.5%
(%)	9.7%	9.7%
(%)	17.1%	15.6%
(%)	1.0%	1.0%
(%)	16.1%	14.6%
(%)	8.7%	8.7%
(x)	1.85	1.68
(HK\$)	2.87	2.88
	(%) (%) (%) (%) (%) (%) (%)	(%) 3.50% (%) 6.5% (%) 9.7% (%) 17.1% (%) 1.0% (%) 16.1% (%) 8.7% (x) 1.85

\$5.3

(HK\$)

\$4.84

Fig 21 ROE-g/COE-g indicates fair value of HK\$4.84

Source: Company data, Bloomberg, Macquarie Research, March 2015

Fair value (HK\$)

### Macquarie estimates vs. consensus

Our earnings estimates are higher than consensus for 2014-15E, reflecting our confidence in the outlook for the contribution from the BMW-related business. In addition, we believe Xinchen's own brand engine business will be supported by the overall industry trend for smaller size and more efficient engines, thus maintaining stable to low growth.

Our current 2016E base-case estimates are lower than consensus although we have assumed a 100% utilisation rate of BBA transaction limitations. As highlighted in the scenario analysis Fig 19 and volume assumption for BMW engines business on page 5, there is upside to earnings should the new BMW engine capacity come on stream earlier than expected and transaction limitations be further lifted.

As of March 2015, Xinchen is covered by only 6 analysts, including 2 international brokers, due to its small market cap of US\$464m and relatively short listing history. We believe Xinchen will gain more market attention as it continues to leverage its BMW Brilliance relationship and deliver rising revenue from its BMW related business.

The Xinchen management team is based in Hong Kong and has regular communication with the investor community in Hong Kong and China.

(m Rmb)	Revenue	EBIT	Pre-tax profit	NPAT	EPS (Rmb)
2012A	2,573	364	342	290	0.31
2013A	2,586	335	324	271	0.22
2014E Macquarie	2,753	386	345	288	0.22
2014E Consensus	2,865	376	307	265	0.21
2015E Macquarie	3,649	630	553	462	0.36
2015E Consensus	3,965	549	449	380	0.30
2016E Macquarie	4,044	753	663	554	0.43
2016E Consensus	5,145	800	677	613	0.48
Source: Company data, Bloc	mberg. Macquarie Res	earch. Marc	h 2015		

Fig 22 Macquarie earnings estimates vs. consensus

#### **Risks**

Major risks include: a significant slowdown in China's auto market, lower-than-expected BMW-related revenue and a decline in Xinchen's own brand engine business.

A significant slowdown in auto demand: We expect China's auto demand will grow at 8-10% pa and premium brand growth should outpace the market growth through the end of the decade, driven by steady income growth. A hard landing or a significant slowdown in China's employment and wage growth could negatively impact auto sales and demand from Xinchen's OEM customers.

**Less-than-expected BMW-related revenue:** The BMW relationship and business is a key growth driver for Xinchen. Although BMW-related production is carefully monitored by seconded BMW engineers, there is execution risk should Xinchen be unable to deliver the high quality products required by BMW. This would result in lower-than-expected BMW-related revenue and also limit future cooperation opportunities with BMW.

A decline in Xinchen's own brand engine business: Xinchen's own brand engines are mainly supplied to domestic brand OEMs. We have seen a recovery in domestic brand OEMs' market share in recent months, primarily driven by low-priced SUVs, but competition remains intense. If Xinchen's main customers face a significant drop in their sales and Xinchen is unable to develop new business opportunities with other OEMs, there is a risk of a decline in Xinchen's own brand engine business.

Fig 23 Comp sheet: auto OEMs and suppliers

H-share Auto OEMs           Great Wall-H         2333-HKG         Outperform         18,576         47.40         60.00         27%         14.4         9.8         3.5         2           Brilliance         1114-HKG         Outperform         9,724         15.02         18.30         22%         10.4         9.4         3.3         2           Dongfeng         489-HKG         Outperform         13,229         11.92         17.50         47%         7.6         6.1         1.1         1	Stock	Code	Rating	Mkt cap US\$m	Price (local)	TP (local)	+/-	FY1 P/E	FY2 P/E	FY1 P/B	F P.
Bollistance											
Donglerig   489-94KC   Outperform   13,229   11,520   17,50   47%   7,6   6,1   1,1   1,0   1,											
GAC-H	Brilliance	1114-HKG	Outperform	9,724	15.02	18.30	22%	10.4	9.4	3.3	2
Geely 175-HKC Neutral 4,081 3,80 3,50 35K 12,2 10.7 1,5 1 10.00 10	Dongfeng	489-HKG	Outperform	13,229	11.92	17.50	47%	7.6	6.1	1.1	1
Geely 175-HKG Not Audipprofrom 1,100 5 92.9 20,003 9.50 9.5% 12.2 10.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	GAC-H	2238-HKG	Outperform	5.794	6.99	11.50	65%	7.6	5.6	1.0	0
BYD-H BAC Motor  BAC Motor  BAC Motor  BAC Motor  BAC Motor  BAC Back  BAC Motor  BAC Back  BAC Motor  BAC Back  BAC Motor  BAC Back  BACK  BAC Back  BACK  BAC Back  BAC Back  BAC Back  BAC Back  BAC Back  BAC Back		175-HKG	•		3.60		-3%	12.2	10.7	1.5	1
BACK Motor											
### Hahare Auto Parts    Minch   Power   1148-HKG   Outperform   2,642   7,90   3,25   115   10   109   30   10   10   10   10   10   10   10											
Minchon Power   1144H-MIG   Outperform   404   2.80   4.50   61%   6.3   5.2   1.0   0   Minch   Nexteer   1316-HMG   Outperform   2,542   7.50   9.25   17%   13.0   10.9   3.0   2.7   Minch   Min				2,1.12							
Nextoce		1148-HKG	Outperform	464	2.80	4.50	61%	6.3	5.2	1.0	C
Minth Minth A25-HIGC Not rated 1.981 14.14 NA NA NA 8.1 8.0 1.3 1.3 1.7 N/minth A25-HIGC Not rated 2.314 4.88 NA NA 8.4 8.6 8.5 1.3 1.3 1.3 1.3 N/minth A25-HIGC Not rated 2.314 4.89 NA NA 8.4 8.6 8.5 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3			•								
Arshare Author Office  - Arshare Author Office - Company			•								
Arishare Auto OEMs											
Changan-A Changan-B Changa	Allyl Glass	000-1111-0	Not fated	2,314	4.50	INA	IVA	0.4	0.0	1.5	
Changan-6   200625 CN   Culperform   12,716   21.17   31.80   50%   10.5   6.8   3.1   3		000625-CN	Outporform	15 130	20.20	25.00	230/	12.5	Ω 1	2.7	
SAG Motor	•		•								
Great Walls			•								
BYD-A 002994-CN Underpreform 20,403 51:50 16:00 698% 58.8 62.2 4.7 4.7 4.7 GAC-A GAC-A 601338-CN Not rated 9,875 9.30 NA NA 16.8 12.4 1.8 1.8 1.2 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1 2.1			•								
GAC-A 601238-CN Not rated 6,204 2.7.81 NA NA 16.8 12.4 1.8 1.8 1.2 mg/mg/brov/vtong Bus 600068-CN Not rated 6,204 2.7.81 NA NA 16.8 12.4 1.8 3.3 s. 3.4 Jangling Motor 200505-CN Not rated 4,497 18.95 NA NA 16.7 12.7 3.2 2 2 1.2 mg/mg/brov/vtong Bus 600068-CN Not rated 4,497 18.95 NA NA 16.7 12.7 3.2 3.5 3.5 3.5 8.0 mg/mg/brov/vtong Bus 600069-CN Not rated 4,497 18.95 NA NA 40.4 19.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Great Wall-A	601633-CN	Neutral	24,408	50.14	47.00	-6%	18.9	12.8	4.5	3
Zhangzhou Yutong Bus   600066-CN   Not rated   4,052   36,44   NA   NA   16,8   14,1   3,3   3,2   2,5   FAW Car   000060-CN   Not rated   4,052   36,44   NA   NA   76,4   28,3   3,5   3,2   2,5   3,4   4,4   10,9   1,4   1,4   3,4   1,5   3,2   2,5   4,4   1,9   1,4	BYD-A	002594-CN	Underperform	20,403	51.50	16.00	-69%	158.8	62.2	4.7	4
Zhangzhou Yutong Bus   600066-CN   Not rated   6,204   27,81   NA   NA   16,8   14,1   3,3   3,2   2,5   FAW Car   000000-CN   Not rated   4,052   36,44   NA   NA   75,4   28,3   3,5	GAC-A	601238-CN	Not rated	9.575	9.30	NA	NA	16.8	12.4	1.8	1
Jimpoling Motor   200550-CN   Not rated   4,052   36.44   NA   NA   16.7   12.7   3.2   2.7   3.2   3.5   3.5   3.6   3.6   3.4											
FAVY Car	S S										
Beigi Foton											
Anhai Jianghuai											
Lifan 60/177-CN Not rated 2,246 11.16 NA NA 26.7 19.9 1.9 1.9 1.1    A-share Auto Parts   Huayu	•										
Haima	•	600418-CN	Not rated	3,018	14.68			33.7			
## A-share Auto Parts    Huayu	Lifan	601777-CN	Not rated	2,246	11.16	NA	NA	26.7	19.9	1.9	1
Huayu 600741-CN Outperform 8,262 19,99 22,60 13% 11.1 10.6 2.4 2.4 Weilt High Tech 200581-CN Not rated 4,268 32,48 NA NA 20,4 15.1 3.2 2 Fuyao Glass 60060-CN Not rated 4,833 15.08 NA NA 13.4 11.7 3.4 3.5 2.5 Elijing WKIW Automotive Parts (00060-CN Not rated 1,890 15.75 NA NA 03.0 9 19.7 2.9 2.9 1.2 11.2 11.2 11.2 11.2 11.2 11	Haima	000572-CN	Not rated	1,650	6.27	NA	NA	29.9	23.8	1.4	1
Welfu High Tech	A-share Auto Parts										
Fuyso Glass	Huayu	600741-CN	Outperform	8,262	19.99	22.60	13%	11.1	10.6	2.4	2
Flyao Glass   600680-CN   Not rated   4,833   15,08   NA   NA   13,4   11,7   3,4   3,5   Sigling WKW Automotive Parts   600680-CN   Not rated   1,890   15,75   NA   NA   30,9   19,7   2,9   Sigling WKW Automotive Parts   6002682-CN   Not rated   1,890   16,75   NA   NA   30,9   19,7   2,9   FAWER Automotive Parts   600030-CN   Not rated   1,890   16,75   NA   NA   30,9   19,7   2,9   FAWER Automotive Parts   600030-CN   Not rated   1,955   9,41   NA   NA   18,9   16,4   3.0   Fenglan Stock   600482-CN   Not rated   1,955   9,41   NA   NA   18,9   16,4   3.0   Fenglan Stock   600482-CN   Not rated   1,955   9,41   NA   NA   18,9   16,4   3.0   Fenglan Stock   600482-CN   Not rated   1,955   9,41   NA   NA   58,9   45,5   4,5   Songz Auto Air Conditioning   600767-CN   Not rated   1,219   18,79   NA   NA   26,8   21,1   3,4   Sie-Pac Mechanical & Electronic   600742-CN   Not rated   1,075   18,22   NA   NA   35,1   1,1   2,1   1,1   Sie-Pac Mechanical & Electronic   600769-CN   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   35,1   2,7 6   2,8   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   1,00   1,00   1,00   1,00   1,00   1,00   Signal Auto OEMs   Not rated   1,075   18,22   NA   NA   1,00	Weifu High Tech	200581-CN	Not rated	4,268	32.48	NA	NA	20.4	15.1	3.2	2
Nimplo Joyson	ĕ										
Seling NKW Automotive Parts   002662-CN   Not rated   1,890   15.75   NA   NA   30,9   19.7   2.9   2.7	•										
FAMER Automotive Parts   0,00030-CN   Not rated   1,955   9,41   NA   NA   19,9   16,4   3,0   2   5   5   5   5   5   5   5   5   5	, .										
Fengfan Stock 600482-CN Not rated 1,476 17.19 NA NA 88.9 45.5 4.5 4.5 28.00   Storg Auto Automotive Components 600742-CN Not rated 1,219 18.79 NA NA 26.8 2.11 3.4.4 3   savay Automotive Components 600742-CN Not rated 1,136 33.58 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical & Electronic 600284-CN Not rated 1,075 18.22 NA NA 13.8 11.1 2.1   Inside Pace Mechanical Action 1.1   Inside Pace Mechanical Action 1											
Songx Auto Air Conditioning   002454-CN   Not rated   1,219   18,79   NA   NA   28,8   21,1   3,4	FAWER Automotive Parts	000030-CN	Not rated	1,955	9.41	NA	NA	18.9	16.4	3.0	2
Favary Automotive Components   600742-CN   Not rated   1,136   33.58   NA	Fengfan Stock	600482-CN	Not rated	1,476	17.19	NA	NA	58.9	45.5	4.5	4
Sias-Pac Mechanical & Electronic O02284-CN Not rated 1,075 18.22 NA NA 35.1 27.6 2.8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Songz Auto Air Conditioning	002454-CN	Not rated	1,219	18.79	NA	NA	26.8	21.1	3.4	3
Sias-Pac Mechanical & Electronic O02284-CN Not rated 1,075 18.22 NA NA 35.1 27.6 2.8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	•		Not rated		33.58	NA	NA	13.8	11.1	2.1	1
Singly Automotive Lighting   601799-CN   Not rated   945   24.64   NA   NA   22.4   18.6   3.1   2	•										
Honda   7267 JP   Outperform   61,074   4,122   4,400   7%   13.3   10.9   1.2   1.2   1.3											
Honda   7267	Global Auto OFMs										
Nissan 7201 JP Outperform 44,385 1,284 1,300 11% 12.6 10.2 1.2 1.2 Toyota 7203 JP Neutral 216,664 8,338 8,100 13% 12.6 11.1 1.7 1 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1		7267 JP	Outperform	61.074	4.122	4.400	7%	13.3	10.9	1.2	1
Toyota 7203 JP Neutral 216,664 8,338 8,100 3% 12,6 11.1 1,7 1,7 1 Hyundai Motor 005380-KRX Outperform 34,007 182,000 210,000 15% 5.5 5.3 0.9 0 Kia Motors 270 KS Outperform 17,144 47,350 56,000 18% 6.4 6.3 0.8 0 Volkswagen VOW3-DE Not rated 127,358 252.45 NA NA 10.3 9.2 1.2 1 Daimiler DAI-DE Not rated 147,350 56,000 18% 6.4 6.3 0.8 0 Wolkswagen VOW3-DE Not rated 127,358 252.45 NA NA 10.3 9.2 1.2 1 BMW BMW-DE Not rated 84,207 121.00 NA NA 12.6 11.4 1.9 1 Peugeot SA UG-FR Not rated 42,207 121.00 NA NA 12.2 11.3 1.8 1 Ford F-US Not rated 64,838 16.39 NA NA 9.9 8.4 1.9 1 General Motors GM-US Not rated 61,661 38.29 NA NA 9.9 8.4 1.9 1 General Motors GM-US Not rated 61,661 38.29 NA NA 9.9 1.4 1.5 1.5 1  Global Auto Parts  Denso 6902 JP Outperform 37,495 5,700 6,500 14% 16.1 14.8 1.5 1 Ajsin Seiki 7259 JP Outperform 18,176 6,970 7,800 12% 17.9 17.7 1.1 1 Hyundai Mobis 012330-KRX Outperform 21,919 258,500 350,000 35% 7.4 6.6 1.1 1.1 1 Hyundai Mobis 012330-KRX Outperform 21,919 258,500 350,000 35% 9.8 8.1 1.4 1 Hyundai Mobis JCHUS Not rated 32,516 49.47 NA NA 12.8 11.2 2.6 2.0 1 Delphi DLPH-US Not rated 32,516 49.47 NA NA 12.8 11.2 2.6 2.0 1 Delphi DLPH-US Not rated 13,457 59.43 NA NA 12.9 11.9 2.3 2 Autoliv ALV-US Not rated 4,967 44,79 NA NA 12.9 11.9 2.3 2 Automotive TRW-US Not rated 4,967 44,79 NA NA 16.4 13.9 3.1 2.0 6.5 5 Borgwamer BWA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Continental AG CON-DE Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Continental AG CON-DE Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.4 14.8 3.8 3 Lear Corporation LEA-US Not rated 4,967 44,79 NA NA 16.9 14.9 3.3 1.4 1.9 14.9 14.9 14.9 14.9 14.9 14.9 1											
Hyundai Motor   005380-KRX			•								
Kia Motors   270 KS   Outperform   17,144   47,350   56,000   18%   6,4   6,3   0.8   0.8											
Volkswagen Daimler         VOW3-DE Daimler         Not rated 127,358         252,45         NA         NA         10.3         9.2         1.2 <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			•								
Daimler   DAI-DE   Not rated   104,046   91,71   NA   NA   12.6   11.4   1.9   1.9   1.9   1.0	Kia Motors	270 KS	Outperform	17,144	47,350	56,000	18%	6.4	6.3	0.8	(
BMW BMW-DE Not rated 84,207 121,00 NA NA 12.2 11.3 1.8 1 Peugeot SA UG-FR Not rated 12,735 15.59 NA NA 15.0 10.3 1.2 1 Ford F-US Not rated 64,838 16.39 NA NA 9.9 8.4 1.9 1 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 1.5 1  Global Auto Parts  Denso 6902 JP Outperform 37,495 5,700 6,500 14% 16.1 14.8 1.5 1 Aisin Seiki 7259 JP Outperform 10,302 4,415 5,200 18% 14.1 13.1 1.1 1 Hyundai Mobis 01239-KRX Outperform 21,919 258,500 350,000 35% 7.4 6.6 1.1 1 Hyundai Wia 11210 KS Outperform 3,553 161,000 190,000 26% 9.4 8.7 1.5 1 Mando 204320 KS Neutral 1,353 164,500 160,000 -3% 9.8 8.1 1.4 1 Johnson Controls JC-US Not rated 32,516 49.47 NA NA 12.8 11.2 2.6 2 Delphi DLPH-US Not rated 12,042 104,74 NA NA 12.9 11.9 2.3 1 ETRW Automotive TRW-US Not rated 4,967 44.79 NA NA 16.4 13.9 3.1 2 TRW Automotive TRW-US Not rated 4,967 44.79 NA NA 16.4 13.9 3.1 2 Cortinental AG CON-DE Not rated 8,499 108.92 NA NA 15.9 14.6 3.4 2 Share Auto OEMs COMB	Volkswagen	VOW3-DE	Not rated	127,358	252.45	NA	NA	10.3	9.2	1.2	1
BMW BMW-DE Not rated 84,207 121,00 NA NA 12.2 11.3 1.8 Peugeot SA UG-FR Not rated 12,735 15.59 NA NA 15.0 10.3 1.2 Ford F-US Not rated 64,838 16.39 NA NA 9.9 8.4 1.9 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 61,661 38.29 NA NA 8.2 7.5 1.5 General Motors GM-US Not rated 18,176 6,970 7.800 12% 17.9 17.7 1.1 7 1.	Daimler	DAI-DE	Not rated	104,046	91.71	NA	NA	12.6	11.4	1.9	1
Peugeot SA											
Ford General Motors GM-US Not rated 64,838 16.39 NA NA 9.9 8.4 1.9 1 General Motors GM-US Not rated 61,661 38.29 NA NA NA 9.9 8.4 1.9 1 Global Auto Parts  Denso 6902 JP Outperform 37,495 5,700 6,500 14% 16.1 14.8 1.5 1 Aisin Seiki 7259 JP Outperform 18,176 6,970 7,800 12% 17.9 17.7 1.1 1 Aisin Seiki 7259 JP Outperform 10,302 4,415 5,200 18% 14.1 13.1 1.1 1.1 1 Hyundai Mobis 012330-KRX Outperform 21,919 258,500 350,000 35% 7.4 6.6 1.1 0.6 1 Hyundai Wia 11210 KS Outperform 3,553 151,000 190,000 26% 9.4 8.7 1.5 1 Mando 204320 KS Neutral 1,353 164,500 160,000 -3% 9.8 8.1 1.4 1 Johnson Controls JC-US Not rated 32,516 49,47 NA NA 12.8 11.2 2.6 2 BorgWarner BWA-US Not rated 12,045 14,47 NA NA 12.8 11.2 2.6 2.5 1 BorgWarner BWA-US Not rated 12,457 59.43 NA NA 16.4 13.9 3.1 2 Autoliv Alv-US Not rated 12,042 104,74 NA NA 12.9 11.9 2.3 2 Autoliv Alv-US Not rated 10,082 113.66 NA NA 16.8 14.6 2.9 2 Autoliv Alv-US Not rated 4,967 44.79 NA NA 18.4 15.2 1.9 1 Honeywell HON-US Not rated 48,093 226.75 NA NA NA 16.4 14.8 3.8 3.8 3 Continental AG CON-DE Not rated 48,093 226.75 NA NA NA 16.9 14.6 3.4 2 Eshare Auto OEMs exclude BYD share Auto OEMs exclude BYD share Auto OEMs exclude BYD share Auto OEMs											
General Motors   GM-US   Not rated   61,661   38.29   NA   NA   8.2   7.5   1.5	•										
Denso   6902 JP   Outperform   37,495   5,700   6,500   14%   16.1   14.8   1.5											
Denso 6902 JP Outperform 37,495 5,700 6,500 14% 16.1 14.8 1.5 Toyota Industries 6201 JP Outperform 18,176 6,970 7,800 12% 17.9 17.7 1.1 1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	General Minima	GIVI-US	ivot iateu	01,001	J0.29	INA	INA	0.2	1.5	1.0	
Toyota Industries 6201 JP Outperform 18,176 6,970 7,800 12% 17.9 17.7 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.		6002 ID	Outporform	27 40F	5 700	6 F00	1,40/	16.1	1/1 0	15	
Aisin Seiki 7259 JP Outperform 10,302 4,415 5,200 18% 14.1 13.1 1.1 Hyundai Mobis 012330-KRX Outperform 21,919 258,500 350,000 35% 7.4 6.6 1.1 (1210 KS) Outperform 3,553 151,000 190,000 26% 9.4 8.7 1.5 Mando 204320 KS Neutral 1,353 164,500 160,000 -3% 9.8 8.1 1.4 1.4 1.5 Mando 204320 KS Neutral 1,353 164,500 160,000 -3% 9.8 8.1 1.4 1.4 1.5 Moltrated 32,516 49.47 NA NA 12.8 11.2 2.6 2.6 2.6 Moltrated 22,767 78.21 NA NA 13.9 12.0 6.5 5.5 Moltrated 12,042 104.74 NA NA 13.9 12.0 6.5 5.5 Moltrated 12,042 104.74 NA NA 16.4 13.9 3.1 2.7 Moltrated 12,042 104.74 NA NA 16.8 14.6 2.9 2.7 Moltrated 10,082 113.66 NA NA 16.8 14.6 2.9 2.7 Moltrated 10,082 113.66 NA NA 16.8 14.6 2.9 2.7 Moltrated 10,082 113.66 NA NA 16.4 14.8 3.8 3.0 Continental AG CON-DE Not rated 48,093 226.75 NA NA 16.4 14.8 3.8 3.0 Moltrated 10,082 Not rated 48,093 226.75 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 Not rated 10,083 226.75 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 Not rated 10,083 226.75 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 Not rated 10,082 Not rated 10,082 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 Not rated 10,082 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 Not rated 10,082 NA NA 15.9 14.6 3.4 2.0 Moltrated 10,082 NA NA 10.8 9.3 1.4 Moltrated 10,082 NA N											
Hyundai Mobis											
Hyundai Wia											
Hyundai Wia	Hyundai Mobis	012330-KRX	Outperform	21,919	258,500	350,000	35%	7.4	6.6	1.1	C
Mando   204320 KS   Neutral   1,353   164,500   160,000   -3%   9.8   8.1   1.4   1.4   1.5   1.5   1.4   1.5	Hyundai Wia	11210 KS		3,553	151,000	190,000	26%	9.4	8.7	1.5	1
Johnson Controls   JCI-US   Not rated   32,516   49.47   NA   NA   12.8   11.2   2.6   22			•								
Delphi   DLPH-US   Not rated   22,767   78.21   NA   NA   13.9   12.0   6.5   58											
BorgWarner   BWA-US   Not rated   13,457   59.43   NA   NA   16.4   13.9   3.1   22   17.7   1.7   14   14.8   14.6   14.9   17.9   17.9   17.7   17.   14.8   17.9   17.9   17.9   17.7   17.   14.8   17.9   17.9   17.7   17.											
TRW Automotive TRW-US Not rated 12,042 104.74 NA NA 12.9 11.9 2.3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2											
Autoliv ALV-US Not rated 10,082 113.66 NA NA 16.8 14.6 2.9 2 Osram Licht AG OSR-DE Not rated 4,967 44.79 NA NA 18.4 15.2 1.9 11 H-share Auto Parts  Not rated 4,967 44.79 NA NA 18.4 15.2 1.9 11 NA NA 16.4 14.8 3.8 3 NA NA 15.9 14.6 3.4 2 NA NA 15.9 14.6 3.4 2 NA NA 11.1 9.9 2.8 2 NA NA 10.8 9.3 2.4 2  NA NA 10.8 9.3 2.1 11 NA NA 10.8 9.3 1.4 11											
Osram Licht AG         OSR-DE         Not rated         4,967         44.79         NA         NA         18.4         15.2         1.9         1.9           Honeywell         HON-US         Not rated         79,996         102.21         NA         NA         16.4         14.8         3.8         3           Continental AG         CON-DE         Not rated         48,093         226.75         NA         NA         15.9         14.6         3.4         2           Lear Corporation         LEA-US         Not rated         8,499         108.92         NA         NA         11.1         9.9         2.8         2           Magna International         MG-CA         Not rated         21,617         134.53         NA         NA         10.8         9.3         2.4         2           share Auto OEMs exclude BYD         26.4         15.3         2.7         2         2         2         2         10.8         9.3         1.4         1           H-share Auto Parts         9.2         7.7         1.7         1.7         1.7         1.7											
Honeywell	Autoliv	ALV-US	Not rated	10,082	113.66	NA	NA	16.8	14.6	2.9	2
Honeywell	Osram Licht AG	OSR-DE	Not rated	4,967	44.79	NA	NA	18.4	15.2	1.9	1
Continental AG											
Lear Corporation   LEA-US   Not rated   8,499   108.92   NA   NA   11.1   9.9   2.8   2	•										
Magna International         MG-CA         Not rated         21,617         134.53         NA         NA         10.8         9.3         2.4         2           share Auto OEMs exclude BYD Global Auto OEMs         26.4         15.3         2.7         2           H-share Auto Parts         9.2         7.7         1.7         7											
Share Auto OEMs exclude BYD     26.4     15.3     2.7     2       Global Auto OEMs     10.8     9.3     1.4     1       H-share Auto Parts     9.2     7.7     1.7     1	·		Not rated								
Global Auto OEMs         10.8         9.3         1.4           H-share Auto Parts         9.2         7.7         1.7	hare Auto OEMs exclude BYD							10.4	8.3	2.1	
H-share Auto Parts 9.2 7.7 1.7											
								9.2	7.7	1.7	-

Source: Wind for A-shares, FactSet for H-shares and global companies, Macquarie Research, March 2015; prices as of 17 March 2015 market close.

# Appendix – Micro strategy charts

Fig 24 Earnings Analyser

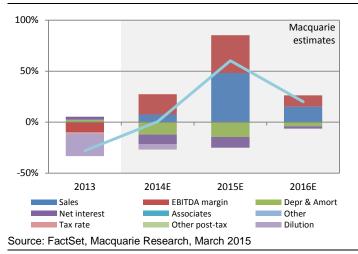
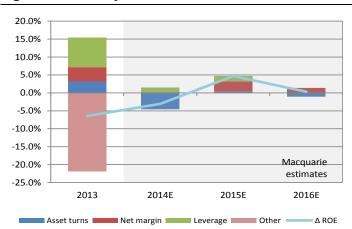
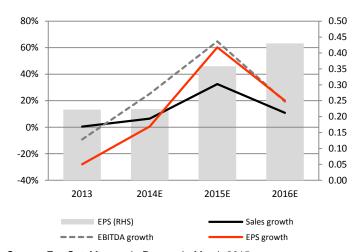


Fig 25 ROE Analyser



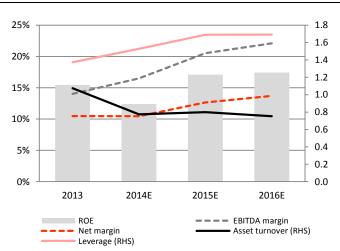
Source: FactSet, Macquarie Research, March 2015

Fig 26 Growth Analyser



Source: FactSet, Macquarie Research, March 2015

Fig 27 DuPont Analyser



Source: FactSet, Macquarie Research, March 2015

# **Macquarie Quant View**

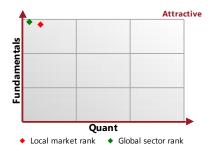
The quant model currently holds a strong negative view on Xinchen Power. The strongest style exposure is Valuations, indicating this stock is underpriced in the market relative to its peers. The weakest style exposure is Price Momentum, indicating this stock has had weak medium to long term returns which often persist into the future.

# 258/269

Global rank in Automobiles & Components

% of BUY recommendations 100% (3/3)

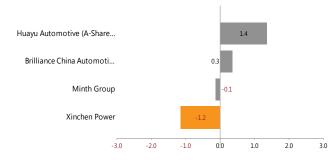
Number of Price Target downgrades 0 Number of Price Target upgrades 0



Displays where the company's ranked based on the fundamental consensus Price Target and Macquarie's Quantitative Alpha model.
Two rankings: Local market (China) and Global sector (Automobiles & Components)

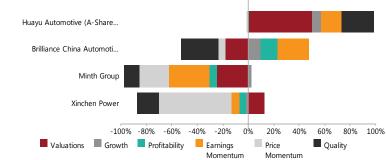
#### **Macquarie Alpha Model ranking**

A list of comparable companies and their Macquarie Alpha model score (higher is better).



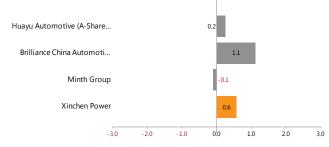
#### **Factors driving the Alpha Model**

For the comparable firms this chart shows the key underlying styles and their contribution to the current overall Alpha score.



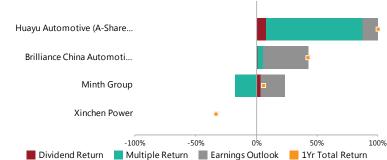
### **Macquarie Earnings Sentiment Indicator**

The Macquarie Sentiment Indicator is an enhanced earnings revisions signal that favours analysts who have more timely and higher conviction revisions. Current score shown below.



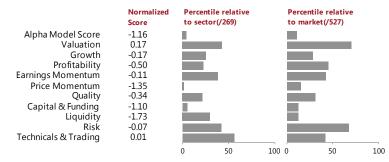
#### **Drivers of Stock Return**

Breakdown of 1 year total return (local currency) into returns from dividends, changes in forward earnings estimates and the resulting change in earnings multiple.



#### How it looks on the Alpha model

A more granular view of the underlying style scores that drive the alpha (higher is better) and the percentile rank relative to the sector and market.



Source (all charts): FactSet, Thomson Reuters, and Macquarie Research. For more details on the Macquarie Alpha model or for more customised analysis and screens, please contact the Macquarie Global Quantitative/Custom Products Group (cpg@macquarie.com)

Xinchen Power (1148 HK, Outperform, Target Price: HK\$4.50)

Revenue	Xinchen Power (114 Interim Results	B HK, OL	1H/14A	1, Target 2H/14E	1H/15E	2H/15E	Profit & Loss		2013A	2014E	2015E	2016E
Grose Profit m 2277 311 453 453 453 Card Gross Frofit m 3511 5584 591 1056 Card Gross Sold m 1079 394 1774 1774 1774 1774 1774 1774 1774 17												
Cast of Cooker Solid												
EBITDA M												
Depresiation												
Anomissation of Coccould												
Other Amortisation												
EBIT												
Associates   m   0   0   0   0   0   0   0   0   0						-						753
Associates   m   0   0   0   0   0   0   0   0   0	Net Interest Income						Net Interest Income					-89
Forek Gariar J Losses m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												0
Other Per-Tax Income m 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Exceptionals	m	0	0	0	0	Exceptionals	m	0	0	0	0
Pro-Tax Profit	Forex Gains / Losses	m	0	0	0	0	Forex Gains / Losses	m	0	0	0	0
Tax Expense	Other Pre-Tax Income	m	0	0	0	0		m	0	0	0	0
Net Profit	Pre-Tax Profit	m	173	172	276	276	Pre-Tax Profit	m	324	345	553	663
Minority Interests	Tax Expense	m	-29	-27	-45	-45	Tax Expense	m	-53	-57	-91	-109
Reported Earnings	Net Profit	m	143	145	231	231	Net Profit	m	271	288	462	554
Adjusted Earnings   m   143   145   231   231   Adjusted Earnings   m   271   288   462   554   EPS (rg)   (en   11.1   11.2   17.0   17.3   17.3   EPS (rg)   (en   11.1   11.2   17.7   17.3   17.3   EPS (rg)   (en   11.1   11.1   11.2   17.7   17.3   17.3   EPS (rg)   (en   11.1   11.1   11.2   17.7   17.3   17.3   EPS (rg)   (en   11.1   1	Minority Interests	m	0	0	0	0	Minority Interests	m	0	0	0	0
EPS (aright)												554 554
EPS Growth yoy (adj)	EPS (rep)	fen	11.1	11.2	17.9	17.9	EPS (rep)	fen	22.2	22.4	35.9	43.0
PE (rap)	EPS (adj)	fen	11.1	11.2	17.9	17.9		fen	22.2	22.4	35.9	43.0
Profit and Loss Ratios		%	-3.5	5.2	60.9			%	-28.0	0.7		20.0
EBITDA Margin								Х				5.2
EBIT Margin   13.1   15.0   17.3   17.3   17.3   Total Div Yield   %   0.0   0							PE (adj)	х	10.1	10.1	6.3	5.2
Earnings Split												0.0
Revenue Growth   %												
EBIT Growth												
Profit and Loss Ratios   2013A   2014E   2015E   2016E   Cashflow Analysis   2013A   2014E   2015E   2016E							Diluted Shares Outstanding	m	1,218	1,287	1,287	1,287
Revenue Growth	EBIT Growth	%	14.1	16.3	65.1	61.4						
EBITG Agrowth	Profit and Loss Ratios		2013A	2014E	2015E	2016E	Cashflow Analysis		2013A	2014E	2015E	2016E
EBIT Growth % 8.1 15.2 63.3 19.5 Chgs in Working Cap m -366 19 2.51 1.19 (cross Profit Margin % 19.7 21.7 24.9 26.1 1.00 cross Profit Margin % 14.0 16.5 20.5 22.1 Net Interest Plaid m 31 61 99 113 EBIT Margin % 14.0 16.5 20.5 22.1 Other m 31 61 99 113 EBIT Margin % 10.5 10.5 10.5 12.6 13.7 Operating Cashflow m 48 426 4417 676 Net Profit Margin % 10.5 10.5 10.5 12.6 13.7 Operating Cashflow m 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												894
Gross Profit Margin												
EBITDA Margin												
EBIT Margin												
Net Profit Margin												
Payout Ratio												
EVICEITO X 5.7 4.9 3.0 2.5 Asset Sales M 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0												
EV/EBIT X 6.2 5.8 3.5 3.0 Other m 1-19 0 0 -0 1-1												
Balance Sheet Ratios   ROE												
Balance Sheet Ratios	EV/EDII	Х	0.2	5.6	3.5	3.0						
ROE	Palance Shoot Paties											
ROA		0/_	15.5	12.4	17 1	17 /						
ROIC % 41.4 27.6 25.5 22.6 Other m -19 -46 -84 -98 Net Debt/Equity % -46.5 -16.4 -5.0 -10.4 Interest Cover x 31.9 9.4 8.2 8.4 Price/Book x 1.3 1.2 1.0 0.8 Book Value per Share 1.8 1.9 2.3 2.7 Receivables m 1.55 1.0 0.5 Investments m 2013A 2014E 2015E 2016E 2016A 2												
Net Debt/Equity Interest Cover Interest In												
Interest Cover												
Price/Book   X   1.3   1.2   1.0   0.8   Net Chg in Cash/Debt   m   502   -19   93   198							Financing Casinow	""	000	334	210	-134
Book Value per Share							Not Cha in Cash/Dobt	m	502	-10	03	102
Balance Sheet   2013A   2014E   2015E   2016E		*					_					
Cash         m         1,357         1,348         1,450         1,658           Receivables         m         2,011         1,988         2,635         2,921           Inventories         m         385         400         509         554           Investments         m         0         0         0         0           Fixed Assets         m         350         1,122         1,512         1,650           Intangibles         m         178         315         359         374           Other Assets         m         167         177         213         235           Total Assets         m         4,448         5,350         6,679         7,392           Payables         m         1,844         1,856         2,361         2,573           Short Term Debt         m         343         943         1,303         1,303           Long Term Debt         m         0         0         0         0           Provisions         m         0         0         0         0           Other Liabilities         m         80         82         84         86           Total Liabilities         m							Free Cashflow	m	-160	-574	-183	352
Receivables							Balance Sheet		2013A	2014E	2015E	2016E
Inventories												1,658
Investments												
Fixed Assets       m       350       1,122       1,512       1,650         Intangibles       m       178       315       359       374         Other Assets       m       167       177       213       235         Total Assets       m       4,448       5,350       6,679       7,392         Payables       m       1,844       1,856       2,361       2,573         Short Term Debt       m       343       943       1,303       1,303         Long Term Debt       m       0       0       0       0         Provisions       m       0       0       0       0         Other Liabilities       m       80       82       84       86         Total Liabilities       m       2,268       2,881       3,749       3,963         Shareholders' Funds       m       2,180       2,468       2,930       3,429         Minority Interests       m       0       0       0       0         Other       m       0       0       0       0         Other       m       0       0       0       0         Total Liab & S/H Funds       m												
Intangibles												
Other Assets         m         167         177         213         235           Total Assets         m         4,448         5,350         6,679         7,392           Payables         m         1,844         1,856         2,361         2,573           Short Term Debt         m         343         943         1,303         1,303           Long Term Debt         m         0         0         0         0         0           Provisions         m         0         0         0         0         0         0         0           Other Liabilities         m         80         82         84         86         88         84         86         88         84         86         88         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448												
Total Assets         m         4,448         5,350         6,679         7,392           Payables         m         1,844         1,856         2,361         2,573           Short Term Debt         m         343         943         1,303         1,303           Long Term Debt         m         0         0         0         0           Provisions         m         0         0         0         0           Other Liabilities         m         80         82         84         86           Total Liabilities         m         2,268         2,881         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												
Payables         m         1,844         1,856         2,361         2,573           Short Term Debt         m         343         943         1,303         1,303           Long Term Debt         m         0         0         0         0           Provisions         m         0         0         0         0           Other Liabilities         m         80         82         84         86           Total Liabilities         m         2,268         2,881         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												
Short Term Debt       m       343       943       1,303       1,303         Long Term Debt       m       0       0       0       0       0         Provisions       m       0       0       0       0       0         Other Liabilities       m       80       82       84       86         Total Liabilities       m       2,268       2,881       3,749       3,963         Shareholders' Funds       m       2,180       2,468       2,930       3,429         Minority Interests       m       0       0       0       0       0         Other       m       0       0       0       0       0         Total S/H Equity       m       2,180       2,468       2,930       3,429         Total Liab & S/H Funds       m       4,448       5,350       6,679       7,392												
Long Term Debt         m         0         0         0         0           Provisions         m         0         0         0         0           Other Liabilities         m         80         82         84         86           Total Liabilities         m         2,268         2,881         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												
Provisions         m         0         0         0         0           Other Liabilities         m         80         82         84         86           Total Liabilities         m         2,268         2,881         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												
Other Liabilities         m         80         82         84         86           Total Liabilities         m         2,268         2,881         3,749         3,953           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												0
Total Liabilities         m         2,268         2,881         3,749         3,963           Shareholders' Funds         m         2,180         2,468         2,930         3,429           Minority Interests         m         0         0         0         0           Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												
Shareholders' Funds       m       2,180       2,468       2,930       3,429         Minority Interests       m       0       0       0       0         Other       m       0       0       0       0       0         Total S/H Equity       m       2,180       2,468       2,930       3,429         Total Liab & S/H Funds       m       4,448       5,350       6,679       7,392												
Minority Interests       m       0       0       0       0       0         Other       m       0       0       0       0       0         Total S/H Equity       m       2,180       2,468       2,930       3,429         Total Liab & S/H Funds       m       4,448       5,350       6,679       7,392												
Other         m         0         0         0         0           Total S/H Equity         m         2,180         2,468         2,930         3,429           Total Liab & S/H Funds         m         4,448         5,350         6,679         7,392												0,423
Total S/H Equity m 2,180 2,468 2,930 3,429 Total Liab & S/H Funds m 4,448 5,350 6,679 7,392												0
Total Liab & S/H Funds m 4,448 5,350 6,679 7,392												3,429
All figures in Rmh unless noted												7,392
	All figures in Rmb unless note	ed.										
Source: Company data, Macquarie Research, March 2015		_			_							

#### Important disclosures:

#### **Recommendation definitions**

#### Macquarie - Australia/New Zealand

Outperform – return >3% in excess of benchmark return Neutral – return within 3% of benchmark return Underperform – return >3% below benchmark return

Benchmark return is determined by long term nominal GDP growth plus 12 month forward market dividend yield

#### Macquarie - Asia/Europe

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

#### Macquarie First South - South Africa

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

#### Macquarie - Canada

Outperform – return >5% in excess of benchmark return Neutral – return within 5% of benchmark return Underperform – return >5% below benchmark return

#### Macquarie - USA

Outperform (Buy) – return >5% in excess of Russell 3000 index return

Neutral (Hold) – return within 5% of Russell 3000 index return

Underperform (Sell)– return >5% below Russell 3000 index return

#### Volatility index definition\*

This is calculated from the volatility of historical price movements.

Very high-highest risk – Stock should be expected to move up or down 60–100% in a year – investors should be aware this stock is highly speculative.

**High** – stock should be expected to move up or down at least 40–60% in a year – investors should be aware this stock could be speculative.

**Medium** – stock should be expected to move up or down at least 30–40% in a year.

**Low-medium** – stock should be expected to move up or down at least 25–30% in a year.

**Low** – stock should be expected to move up or down at least 15–25% in a year.

\* Applicable to Asia/Australian/NZ/Canada stocks only

Recommendations – 12 months

**Note:** Quant recommendations may differ from Fundamental Analyst recommendations

#### Financial definitions

total assets

All "Adjusted" data items have had the following adjustments made:

Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense Excluded: non recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa\*

ROA = adjusted ebit / average total assets

ROA Banks/Insurance = adjusted net profit /average

ROE = adjusted net profit / average shareholders funds Gross cashflow = adjusted net profit + depreciation \*equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

#### Recommendation proportions - For quarter ending 31 December 2014

	AU/NZ	Asia	RSA	USA	CA	EUR	
Outperform	51.80%	58.06%	45.07%	44.42%	60.54%	46.81%	(for US coverage by MCUSA, 5.29% of stocks followed are investment banking clients)
Neutral	31.80%	27.37%	30.99%	50.10%	35.37%	33.51%	(for US coverage by MCUSA, 3.08% of stocks followed are investment banking clients)
Underperform	16.39%	14.57%	23.94%	5.48%	4.08%	19.68%	(for US coverage by MCUSA, 0.44% of stocks followed are investment banking clients)



(all ligures in tilto currency unless noted)

Note: Recommendation timeline – if not a continuous line, then there was no Macquarie coverage at the time or there was an embargo period. Source: FactSet, Macquarie Research, March 2015

#### 12-month target price methodology

1148 HK: HK\$4.50 based on a PER methodology

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### Target price risk disclosures:

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