



# NSG Group Overview and Results to 31 March 2009

20 May 2009



# Stuart Chambers – Group Chief Executive Mike Powell – Group Finance Director



#### NSG Group Year End Results

#### Agenda

- Financial Results
- Market Demand and Business Update
- Restructuring Actions and Update
- FY2010 Outlook
- Progress on Strategy
- Summary



## Key Points - April 08 to March 09

- Full year results in line with previous forecast
- Good progress on strategic objectives with net debt target achieved one year early
- Restructuring plans announced in response to market downturn
- Full year dividend held reflecting Board confidence in longer term prospects



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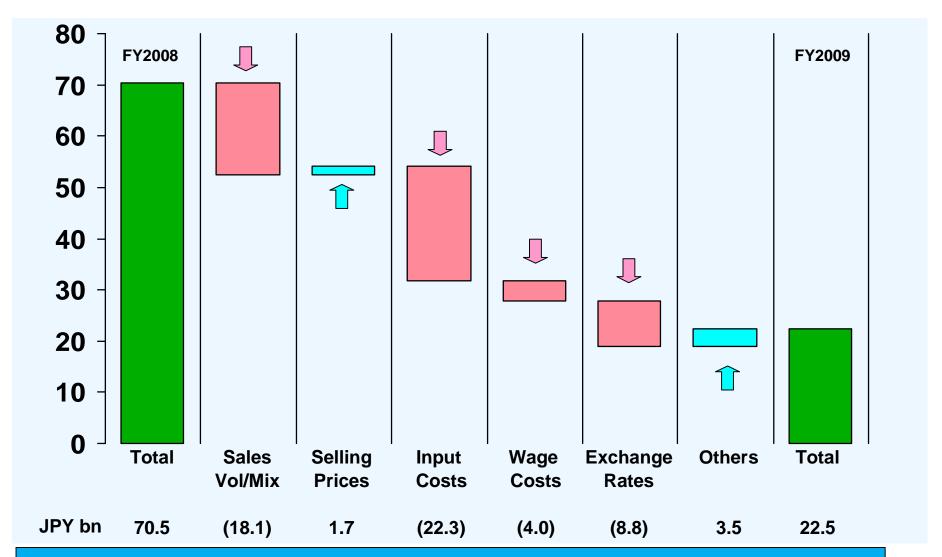
#### **Consolidated Income Statement**

(JPY bn)	<u>FY2009</u>	<u>FY2008</u>	Change from FY2008
Revenue	739.4	865.6	-15%
			_
Op.Income before amortization*	22.5	70.5	-68%
Amortization*	(20.6)	(24.0)	
Operating Income	1.9	46.5	-96%
Non-operating items	(14.2)	(16.1)	=
Ordinary income	(12.3)	30.4	_
Extraordinary items	(1.2)	31.9	=
Pre-tax Income	(13.5)	62.3	_
Net Income	(28.4)	50.4	= _
EBITDA	68.2	120.4	-43%

<sup>\*</sup> Amortization arising from the acquisition of Pilkington plc only



## Operating Income Change Analysis



Market deterioration and significant cost push



#### Non-operating Items

Interest and dividend income
Interest expenses
Joint ventures and associates (continuing)
Joint ventures and associates (discontinued)
Other income and expenses

FY2009 (JPY bn)	FY2008 (JPY bn)
8.3	9.7
(20.0)	(25.5)
1.6	6.5
-	3.8
(4.1)	(10.6)
(14.2)	(16.1)



## Extraordinary Items

	FY2009	FY2008
	(JPY bn)	(JPY bn)
Gain from sale of securities	7.7	13.4
Gain from sale of discontinued operations	-	30.8
Gain on disposal of associates and joint ventures	30.0	-
Gain on disposal of fixed assets	0.2	2.7
Restructuring as announced 29 January:		
Redundancies	(12.4)	-
Impairments	(7.2)	-
Other restructuring:		
Redundancies	(3.1)	(12.5)
Impairments	(4.0)	(6.0)
EC Automotive fine	(7.8)	-
Others	(4.6)	3.5
	(1.2)	31.9

Sale of NH Techno Glass Corporation and significant restructuring charge

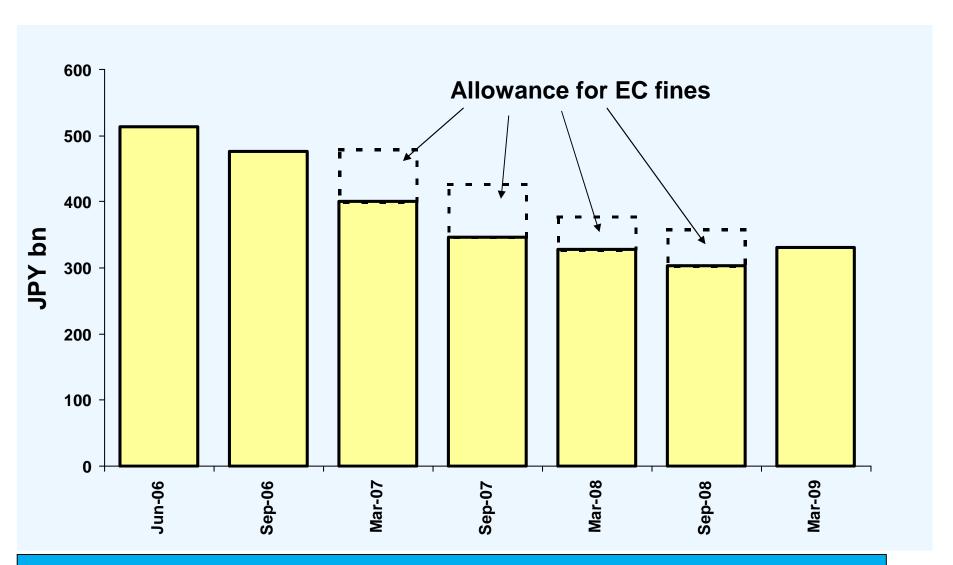


# Consolidated Cash Flow Summary

	FY2009 (JPY bn)	FY2008 (JPY bn)
Income before income taxes and minority interests	(13.6)	62.2
Depreciation and amortization	66.3	73.9
Increase in working capital	(3.0)	(3.4)
Net interest & tax paid	(31.1)	(61.1)
Addback profit on disposal of subsidiaries/investments	(37.7)	(44.2)
EC fines	(43.4)	(22.5)
Others	29.9	44.4
Net cash provided by (used in) operating activities	(32.6)	49.4
Purchase of fixed assets Disposal of subsidiaries/investments	(43.1) 52.3	(46.6) 84.0
Others	(6.6)	(7.9)
Net cash provided by investing activities	2.6	29.5
Cash flow before financing activites	(30.0)	78.9



#### **Net Debt Position**



JPY 350bn target achieved one year early



## **Key Performance Indicators**

	<u>31-Mar-09</u>	<u>31-Mar-08</u>
Net Debt (JPY bn)	331	328
Net Debt/EBITDA	4.9x	2.7x
Net Debt/Equity Ratio	1.29	0.88
	FY2009	FY2008
EBITDA Interest Cover	5.2x	6.9x
Operating Return on Sales*	3.0%	8.1%

<sup>\*</sup> Before amortization arising from acquisition of Pilkington plc



#### NSG Group Year End Results

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- Financial Results
- Market Demand and Business Update
  - Building Products
  - Automotive
  - Specialty Glass
  - Solar
- Restructuring Actions and Update
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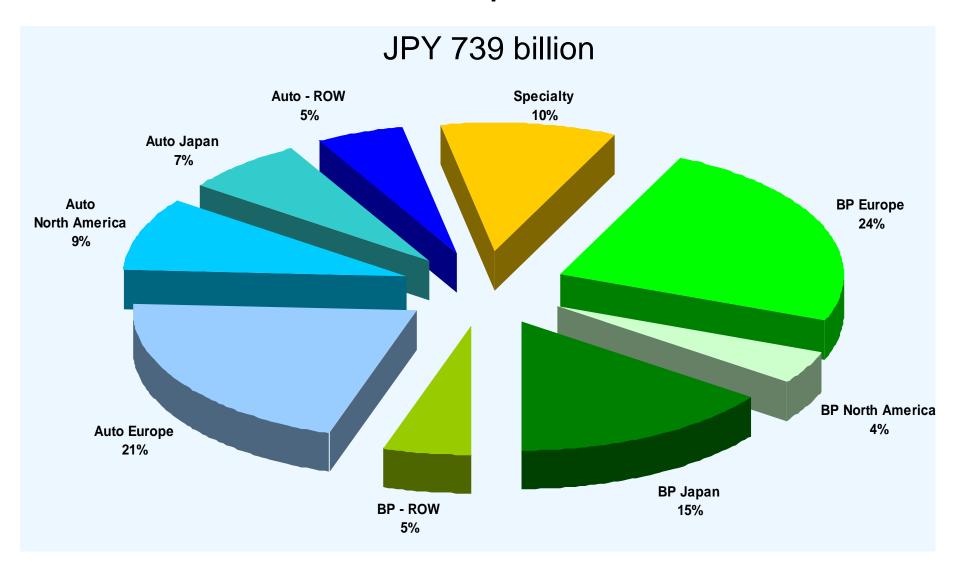


## **NSG Group Summary**

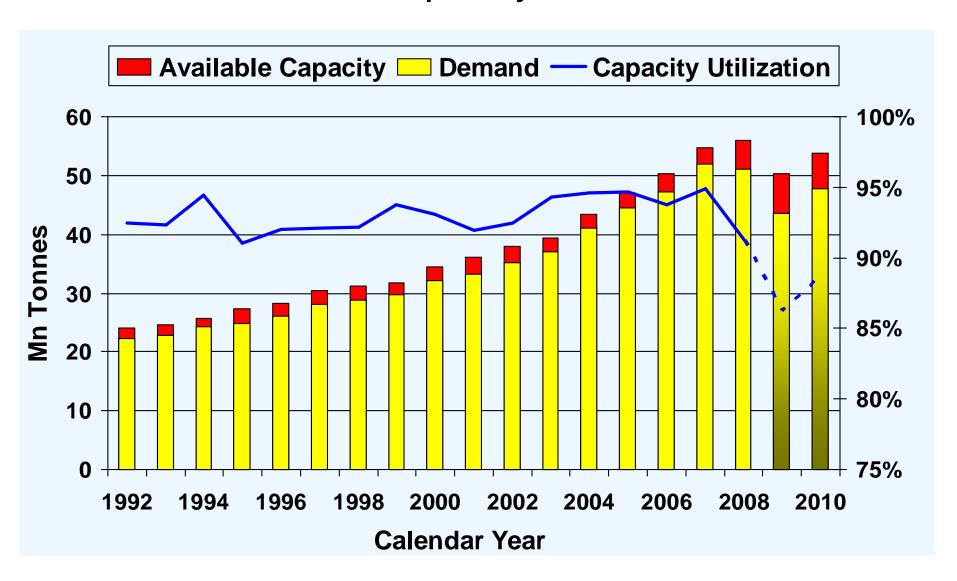
- Ownership/interests in 51 float lines
- Global Automotive customer base
- Leading player in lenses for multi-function printers
- Strong position in glass fiber products worldwide
- Growing presence in glass for PV cells
- Principal manufacturing operations in 29 countries;
   sales in c.130 countries



# External Sales – Group Businesses

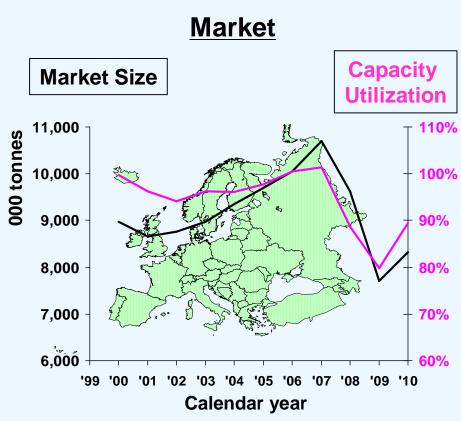


## Global Flat Glass Capacity and Utilization

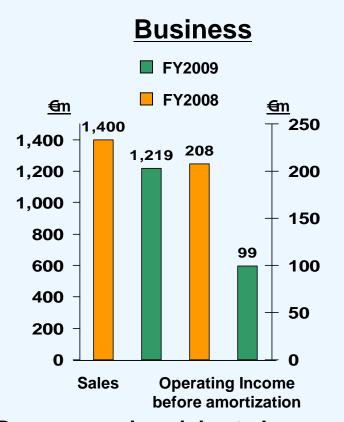




## **Building Products Europe**



- Substantial demand reduction from the final quarter of 2008
- Market restructuring and capacity reduction



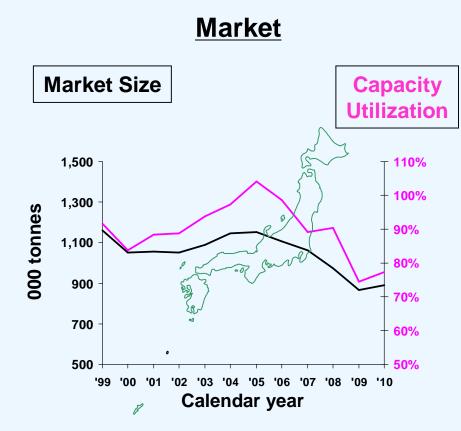
- Revenues reduced due to lower prices and volumes
- Higher input costs, lower selling prices and volumes reduce operating income

Note.

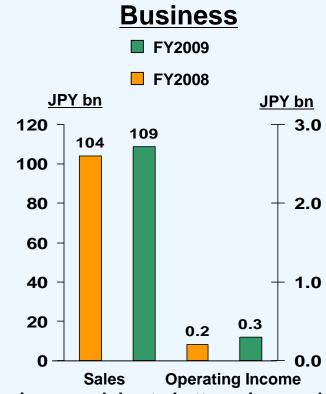
- 1. Amortization is only that arising on acquisition of Pilkington plc
- 2. Market size now gross. Previously shown net of imports.



#### **Building Products Japan**



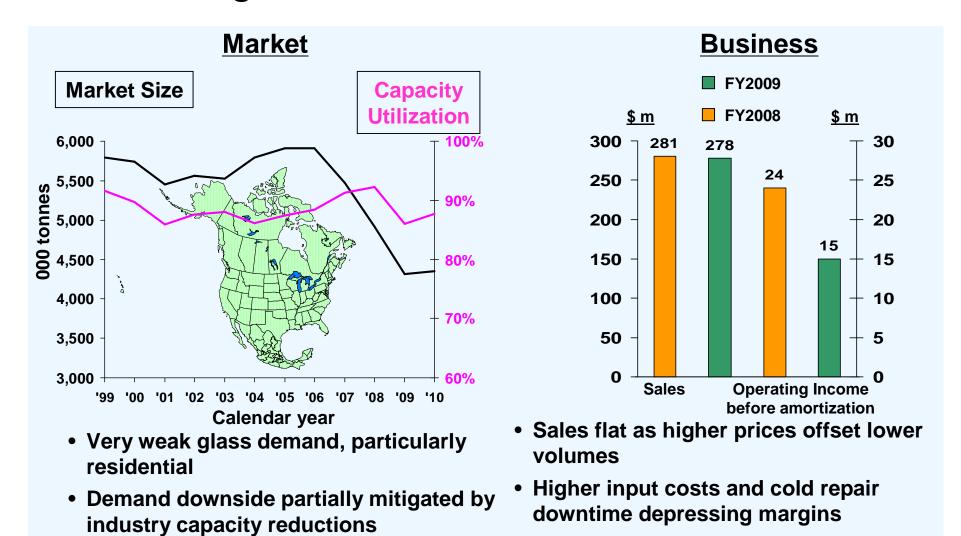
• Market demand remains depressed



- Sales increased due to better prices and 15 months of downstream consolidated sales offsetting lower volumes
- Strong cost push compensated by cost reduction and improved product mix



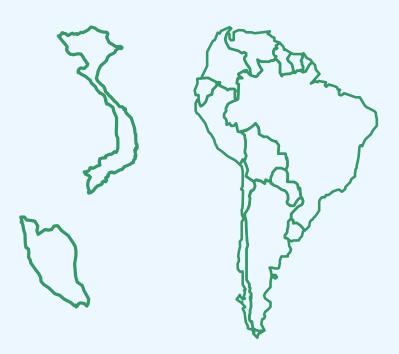
#### **Building Products North America**



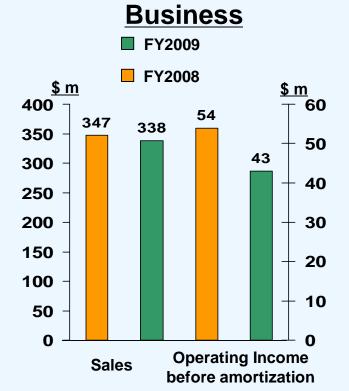


#### **Building Products Rest of World**

#### **Market**



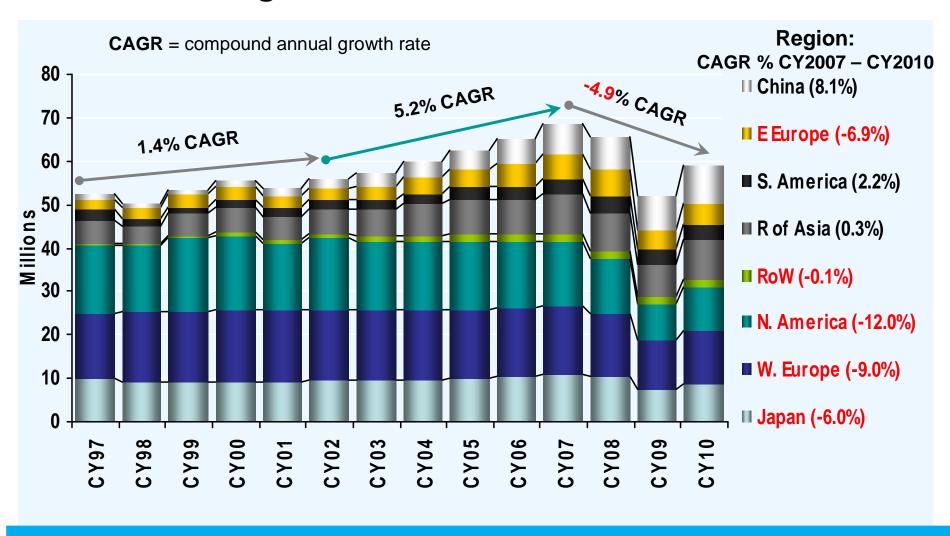
- In South America, a sharp demand reduction in final quarter after strong growth earlier in the year
- Malaysia/Vietnam markets remain weak



- In South America, higher input costs offset by higher prices
- In South East Asia, higher input costs and lower volumes reduce profits



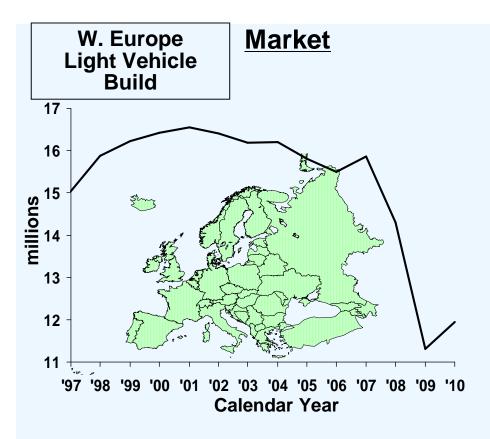
#### Global Light Vehicle Build Growth



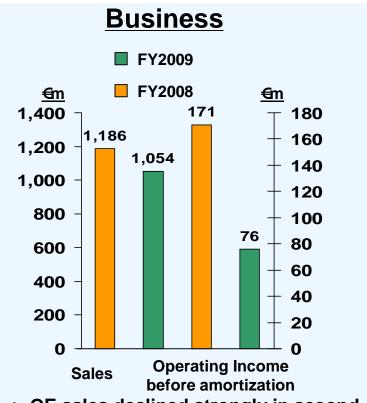
5% decline in CY08 followed by 20% decline in CY09; 13% growth CY10



#### **Automotive Europe**



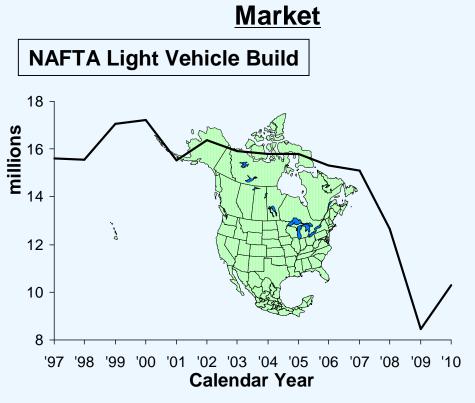
- Demand declined rapidly across all countries in Q4 2008 and extended into Q1 of 2009
- Extended assembly plant shutdowns as VMs adjusted inventory
- AGR market decline less marked



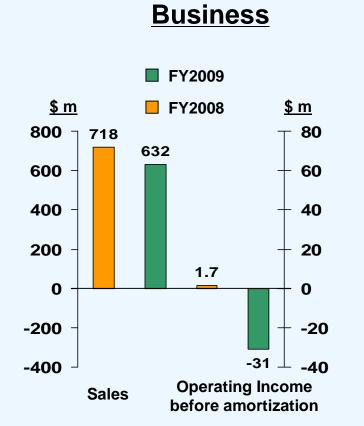
- OE sales declined strongly in second half of year
- Profit impacted by sales falling faster than costs could be removed
- Encouraging AGR performance through strong cost control



#### **Automotive North America**



- Demand declined rapidly especially during the second half of 2008 and into 2009
- Prolonged VM plant closures to address excess inventory
- Recovery expected in 2010

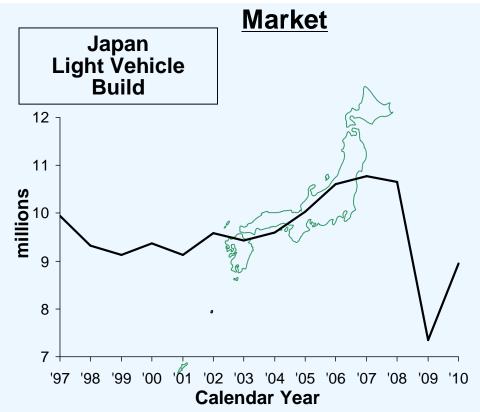


- Sales fell strongly in Q3 and Q4
- Results impacted by float rebuild, lower sales, and cost push

Note. Amortization is only that arising on acquisition of Pilkington plc

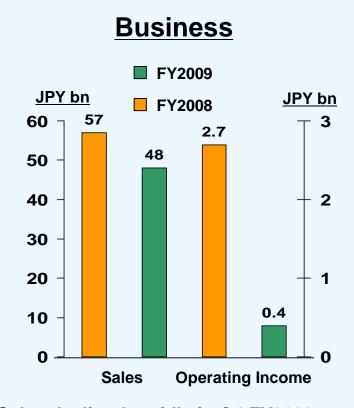


#### **Automotive Japan**





- Export markets also strongly impacted
- Car maker de-stocking now complete



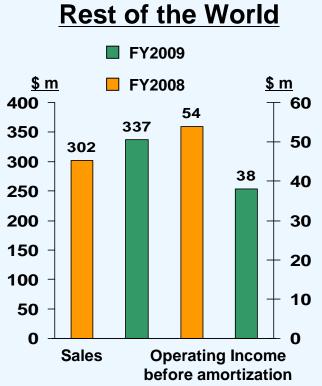
- Sales declined rapidly in Q4 FY2009
- Strong underlying improvement in Q4 FY2008 through to Q3 FY2009
- Q4 FY2009 impacted by sales decline and profit gains eroded



#### **Automotive Rest of World**



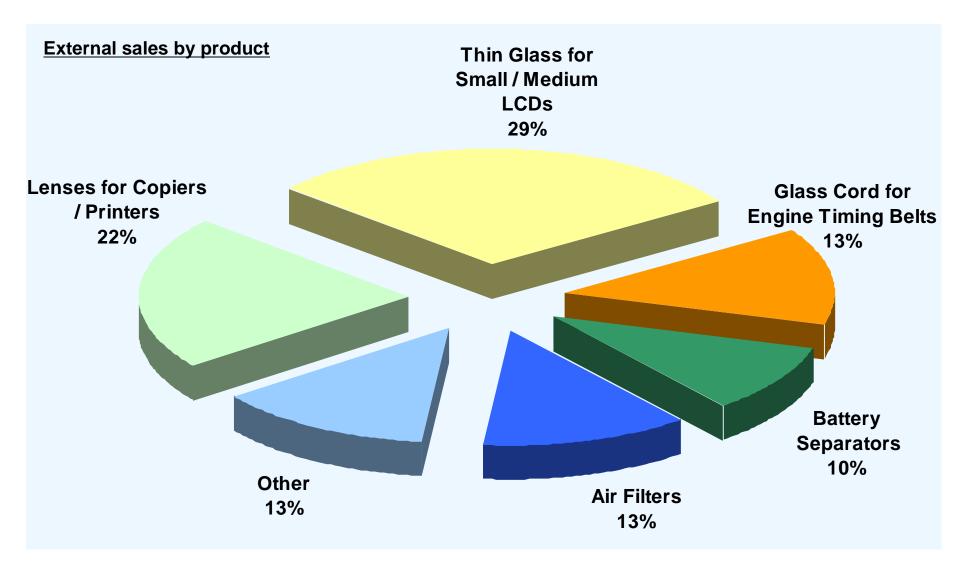
- South American demand down on prior year
- China still growing year on year but at slower rate



- Excluding exchange rate changes, sales are lower in FY2009
- Profits impacted by lower sales, higher energy and other cost push

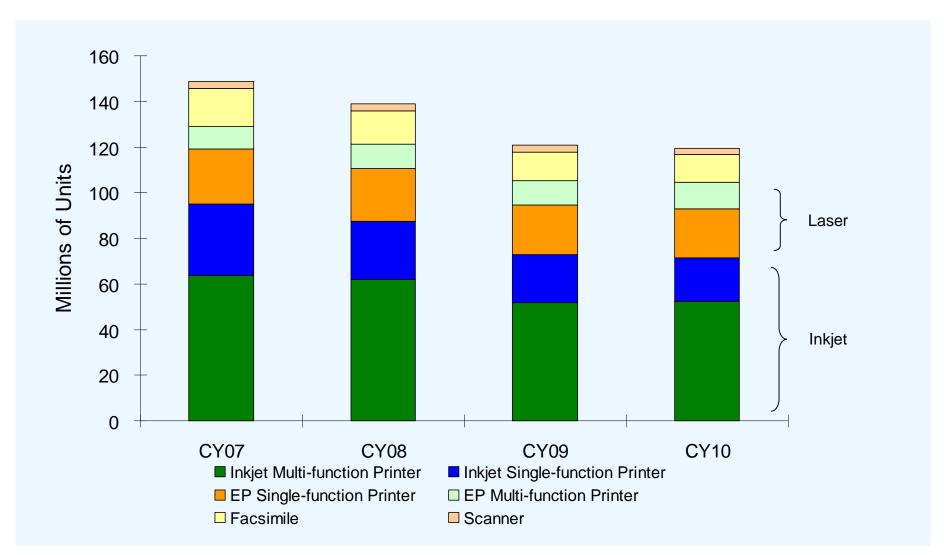


# **Specialty Glass**





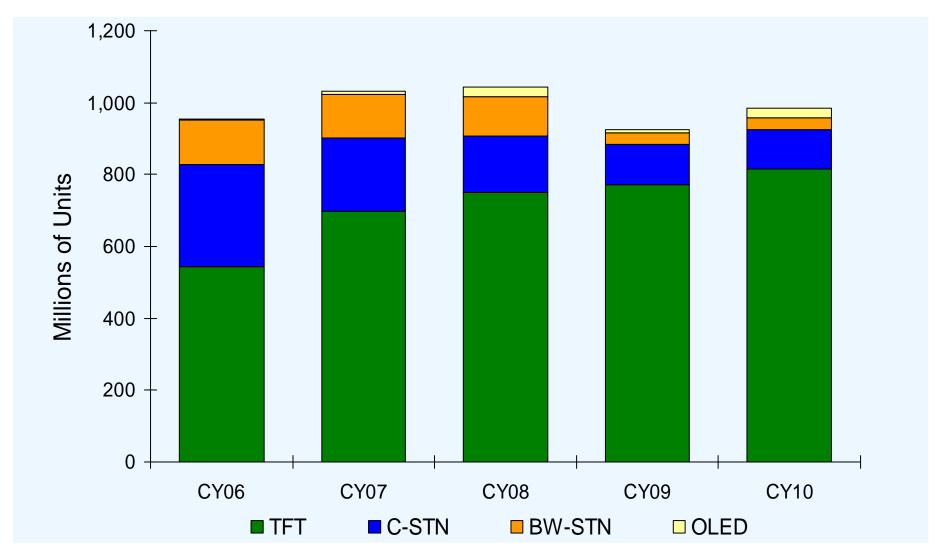
#### **Market Overview - Printers**



Source: JEITA & NSG estimates



#### Market Overview - Mobile Phones

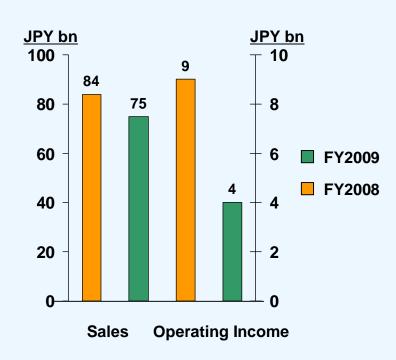


**NSG** Estimates



## **Specialty Glass**

- Significant deterioration from Q3 in all Specialty Glass markets
- Glass cord and battery separator markets were impacted by automotive slowdown
- Printer and scanner components affected by a slowdown in consumer electronic markets
- Display market shows signs of recovery but demand remains low
- Strong yen affecting exports from Japan





## Solar Market Background

- Restrictions on project finance slowing growth, but funding is available for good projects
- Government incentives maintained, underpinned by environmental agenda
- The drive for renewable energy remains high on many governments' agendas. USA and China take up could transform the market in coming years

Environmental concerns will ensure sales momentum



## NSG's Solar Business Background

#### • Thin film

- Market leading technology
- Medium term outlook remains unchanged from previous forecasts

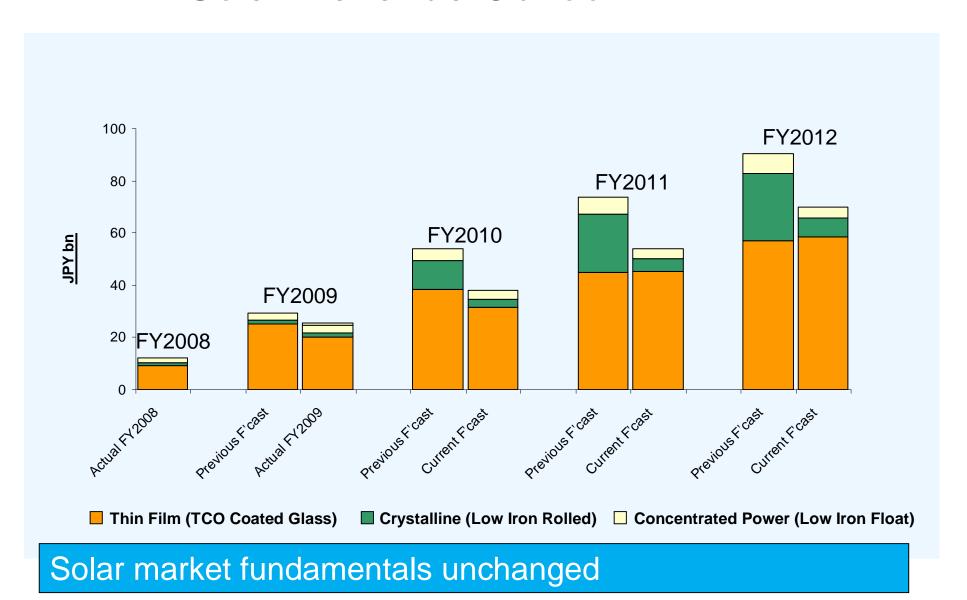
#### Crystalline

Growth plans scaled back in response to industry over capacity

Leading position in thin film



#### Solar Revenue Outlook





## Solar Summary

- Underlying demand and prospects remain strong
- Technology improvements are rapidly opening up new potential markets
- Crystalline is more commoditised at module and glass levels; thin film is much more focused on added value and technology
- NSG is well placed to retain its leading position in thin film, and to be competitive in crystalline



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## Restructuring - Actions Announced

#### **Actions**

Now being implemented in three areas

- 1. Headcount reduction
- 2. Capacity reduction
- 3. Investment review

#### Costs

25 billion yen over two years. 18 billion yen cash cost.

	FY2009	FY2010	Total
Income statement charge	19	6	25
Cash	-	18	18

#### **Projected savings**

Realized in FY2010: 10 billion yen

Annualized savings from April 2010: 16 billion yen



# Restructuring - Headcount Reductions

- Early action taken to reduce headcount in Group's seasonal and temporary workers
- Further reduction now well advanced in all business lines
- Overall reduction will be more than 15 percent of global headcount
- Around 4,500 employees (permanent and temporaries) reduced by 31 March 2009 and a further 2,200 will leave by March 2010



# Restructuring - Capacity Reductions

- Automotive production capacity in Europe and North America reduced
- Float glass capacity reduced by approximately 25 percent
- Specialty Glass reduced shifts with line closures



# Restructuring - Reviewing Investment

- Investment plans reviewed in line with new markets and demands
- Some planned investment will be reduced or postponed
- Solar is still a key area for expansion and will receive increased proportion of remaining investment



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# FY2010 Key Points

- Year of restructuring
- First half result will reflect current economic environment
- Second half result will increasingly benefit from restructuring actions
- Rebuilding organization for profit growth from FY2011 onwards



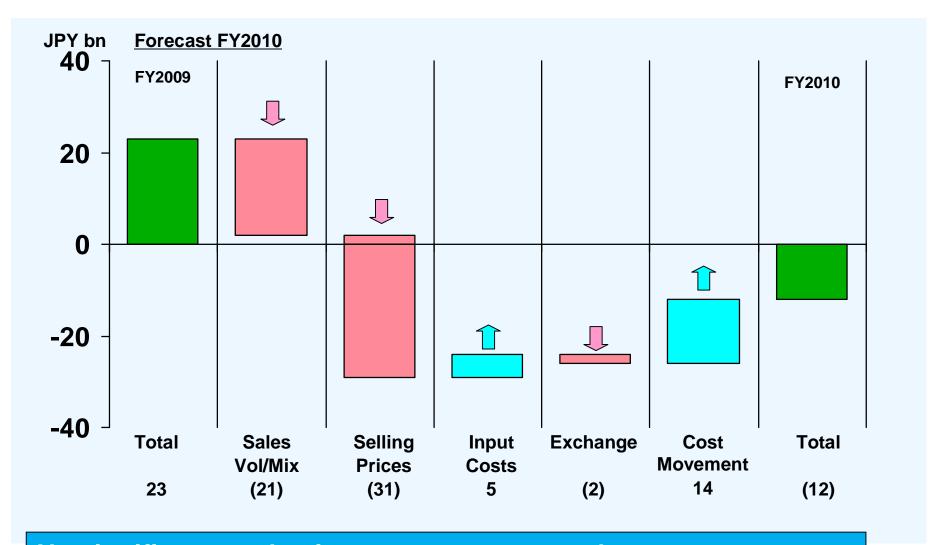
### Income Statement Outlook

JPY bn	FY2010	FY2009
Revenue	580	739
Op. income before amortization*	(12)	23
Amortization*	(18)	(21)
Operating Income	(30)	2
Non-operating items	(17)	(14)
Ordinary Income	(47)	(12)
Extraordinary items	(10)	(1)
Pre-tax Income	(57)	(13)
Net Income	(50)	(28)

<sup>\*</sup> Amortization is only that arising on acquisition of Pilkington plc



# FY2010 Operating Income Change Analysis



No significant market improvement expected



# **Commercial Assumptions**

### Market continues to be at depressed levels

- Volume JPY (21) bn
  - Automotive represents about 60 percent
- Selling Prices JPY (31) bn
  - Building Products accounts for almost all of the decrease reflecting weak market conditions



# **Cost Assumptions**

- Input Costs JPY +5bn
  - Gas prices lower, reduction not relative to oil
  - Raw material prices dependent on commodity
- Cost Movement JPY +14bn
  - JPY 10bn from restructuring
  - JPY 4bn removal of other costs



### Outlook

	FY2011	FY2012
Commerical Assumptions		<b>✓</b> ✓
Input Cost Assumptions	=	×
Cost Reduction	<b>Y Y</b>	<b>✓</b>

- In FY2012, we expect the business to be at operating margins (operating profit before amortization/revenue) similar to FY2008 of eight percent
- This is in line with the original Medium-term Plan margin



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# Our Long-term Vision

### **Execute growth strategies** through 3 phases

Phase 1 <4 years>

Create a new entity focused

on differentiating ourselves

maximizing productivity and operational quality while reestablishing our financial

from competitors, and

foundations

#### Phase 2 <3 years>

Achieve aggressive growth in the flat glass business Geographically expanding into emerging countries Improve competitiveness, launch major new products, improve R&D and foster technologies

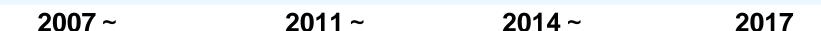
#### Phase 3 <3 years>

**Explore new areas for further** growth

**Exploring new businesses by both** leveraging our customers and our technical and operational competencies

Pursuing acquisitions, mergers, and alliances in adjacent areas







### Phase 1

### **Objective**

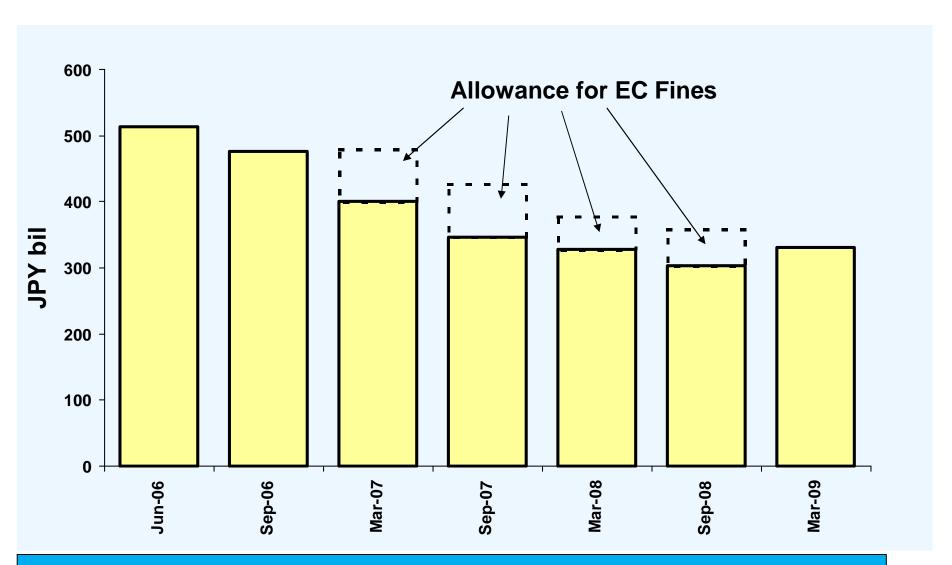
Create a new entity focused on differentiating ourselves from competitors and maximizing productivity and operational quality, while re-establishing our financial foundations

### **Priorities/Achievements**

- 1. Integration of global business achieved
- 2. Net debt target levels achieved a year early
- 3. Preparation for Phase 2 underway, but slowed by global downturn



### **Net Debt Position**



JPY 350bn target achieved one year early



### Medium-term Plan

- Medium-term Plan will be updated later this year
- Strategy direction likely to be largely unchanged
- Work on restructuring will strengthen our position
- Revenue line will be smaller than envisaged in Mediumterm Plan and therefore we need to ensure we consciously revisit our plans and priorities



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# Summary

- Continuing good progress on strategic objectives, with net debt target met a year early
- Global market deterioration affecting all business lines
- Solar business holding up well
- Restructuring to re-establish profit growth from FY2011



### **Notice**

The projections contained in this document are based on information currently available to us and certain assumptions that we consider to be reasonable. Hence the actual results may differ. The major factors that may affect the results are the economic environment in major markets (such as Europe, Japan, the U.S. and Asia), product supply/demand shifts, and currency exchange fluctuations.

Nippon Sheet Glass Co., Ltd.



# **Appendices**



# Revenue by Business – FY2009

			North	Rest of	
(JPY bil)	Japan	Europe	America	World	Total
Building Products	109.0	176.7	28.1	34.1	347.9
Automotive	48.4	152.8	63.9	34.0	299.1
Specialty	43.3	7.9	2.2	22.0	75.4
Others	6.2	10.8	0.0	0.0	17.0
Total	206.9	348.2	94.2	90.1	739.4



# Operating Income before Amortization – FY2009

			North	Rest of		Ratio on
(JPY bil)	Japan	Europe	America	World	Total	Sales
Building Products	0.3	14.4	1.5	4.3	20.5	6%
Automotive	0.4	11.0	(3.2)	3.8	12.0	4%
Specialty	2.3	0.5	(0.1)	1.1	3.8	5%
Others	(4.4)	(9.4)	0.0	0.0	(13.8)	
Total	(1.4)	16.5	(1.8)	9.2	22.5	3%
Ratio on Sales	-1%	5%	-2%	10%	3%	



# Operating Income after Amortization – FY2009

			North	Rest of		Ratio on
(JPY bil)	Japan	Europe	America	World	Total	Sales
Building Products	0.3	6.9	0.2	3.2	10.6	3%
Automotive	0.4	4.2	(5.3)	2.0	1.3	0%
Specialty	2.3	0.5	(0.1)	1.1	3.8	5%
Others	(4.4)	(9.4)	0.0	0.0	(13.8)	
Total	(1.4)	2.2	(5.2)	6.3	1.9	0%
Ratio on Sales	-1%	1%	-6%	7%	0%	



# **Exchange Rate Assumptions**

	FY2009	FY2010	
Average rates used:			
JPY/GBP	174	150	
JPY/EUR	145	130	
JPY/USD	101	100	
Closing rates used:			
JPY/GBP	140	150	
JPY/EUR	130	130	
JPY/USD	98	100	

