Display Components

Philippe Combes

Executive Vice President Philips Components CEO Business Group Display Components

Let's make things better.



We will reinforce our leading position and grasp high growth and high value added business opportunities!







Display Components - the Key Messages

- We are number 1 in color picture tubes
- We have the power of innovation
- The Plasma market offers bright perspectives
- We constantly drive towards cost leadership
- We deliver high customer service
- We focus on fast growing segments





It's great to be a leader in display!





PHILIPS

Television Tubes

Plasma Display Panels (PDP)

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Contents

- Market Overview
- Current position
- Our future strategy
 - Cathode Ray Tube (CRT)
 - Plasma Display Panels (PDP)
- Summary







an exciting technology, capturing the high volume of the market

CRT will remain a tough competitor for new technologies



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In TV tubes, the Jumbo segment is the fastest growing



Source: Philips BI

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TV tube market developments

- The television tube market is growing with an average of 4.8 % CAGR 2000-2004 in value
 - The Jumbo segment has the strongest value growth (> 14%).
- Innovation rate will increase to satisfy consumer trends triggered by alternative technologies (flat, slim, high resolution).
- Main growth areas are China and Europe
- Supply demand is becoming balanced in all segments
- Allowing prices for small and medium size tubes to increase, restoring attractiveness to this segment





In Monitor tubes, 17" will be the dominant size





Source: Philips Bl

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Monitor tube market developments

- PC market showing continuous volume growth of more than 10% per year
- The trend is large, slim and flat !
- Color CRT monitors continue to dominate the desktop display market
- China will be the largest market for Monitor CRTs
- Supply-demand getting in balance in 2002, one year earlier than previously forecasted. Allowing for prices to recover
- Due to the penetration of LCD, the monitor tube market is expected to reach its peak around 2006 / 2007





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We are the leader in TV tubes!

Nr 1 in television CRTs (18% World Wide)

(end) 20% 15% 10% 5% 5% Philips Sony Samsung LG Thomson Matsushita

Nr 5 in monitor CRTs (9% World Wide)



Source: Philips BI

Let's make things better.



Our customers include the world's market- and innovation-leaders



Let's make things better.



The 2000 European TV of the Year is using Cybertube



Let's make things better.



Our global presence is uniquely balanced!

This is supported by our local industrial base.



Let's make things better.



We have been able to manage strong price decreases

TV tube 14 inch



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We will grasp high growth and high value added business opportunities in our display market

Focus on

 Winning customers through innovation and customer intimacy

High growth segments: Jumbo expansion

Cost competitiveness





Our sales growth is built on our R&D investments



CRT Sales

CRT R&D spending

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To grow, we focus on big, flat, slim and high resolution



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Rolling out our unique flat technology - Cybertube



Our flat solution allows for fast and cheap implementation!

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Using e-tools to optimize our supply chain and customer intimacy

• Electronic Key Account Management (ek@m TM)

- Customer intimacy
- Supply chain integration
- Quality excellence
- eProcurement
 - B2B integration for strategic bill of materials
 - eCo-design with key suppliers
 - Ariba implementation for non product related purchases





We capture the growth in jumbo



Let's make things better.



24% market share in jumbo TV tubes by 2004 (value)

Revenues per Segment

Jumbo sales



Let's make things better.



We have accelerated our restructuring effort



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Plasma is a consumer dream come true



Let's make things better.





A promising technology with high growth potential



Source: Philips BI



PDP market developments

- The 1999 biggest markets are Europe and North America
- At current price levels the main market is business application
- Market studies reveal that wall hanging televisions are very appealing to the consumers
- As prices will come down, the consumer market will develop





Our PDP Business Model

- We will support Philips Consumer Electronics in their ambitions in the Plasma market
- We will do this by concentrating on the panel module assembly and leveraging our in-house knowledge in
 - pixel structure simulation and addressing
 - digital signal processing
 - semiconductors
- We will purchase our parts from leading suppliers, enabling us to develop the business with limited investments and maintain flexibility.
- We will maximize value creation, while minimizing financial risk





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Summary

- We are number 1 in color picture tubes
- We have the power of innovation
- We constantly drive towards cost leadership
- We focus on fast growing segments

The CRT is an exciting business with growth opportunities, giving a tough time to new technologies.

Of new technologies, Plasma offers bright perspectives

Let's make things better.



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