ASE TEST LIMITED

November 2002

Investment Highlights

- Beneficiary of outsourcing trend
- World’s largest independent IC test house offering end-to-end total testing solution
- Diversified global customer base in 3C sectors with global operation
- Growth through internal expansion/strategic acquisitions
- Strong financial track record

World's Dominant IC Testing House

Outsourcing by IDMs

IDMs Increasing the Use of Semiconductor Manufacturing Service Providers

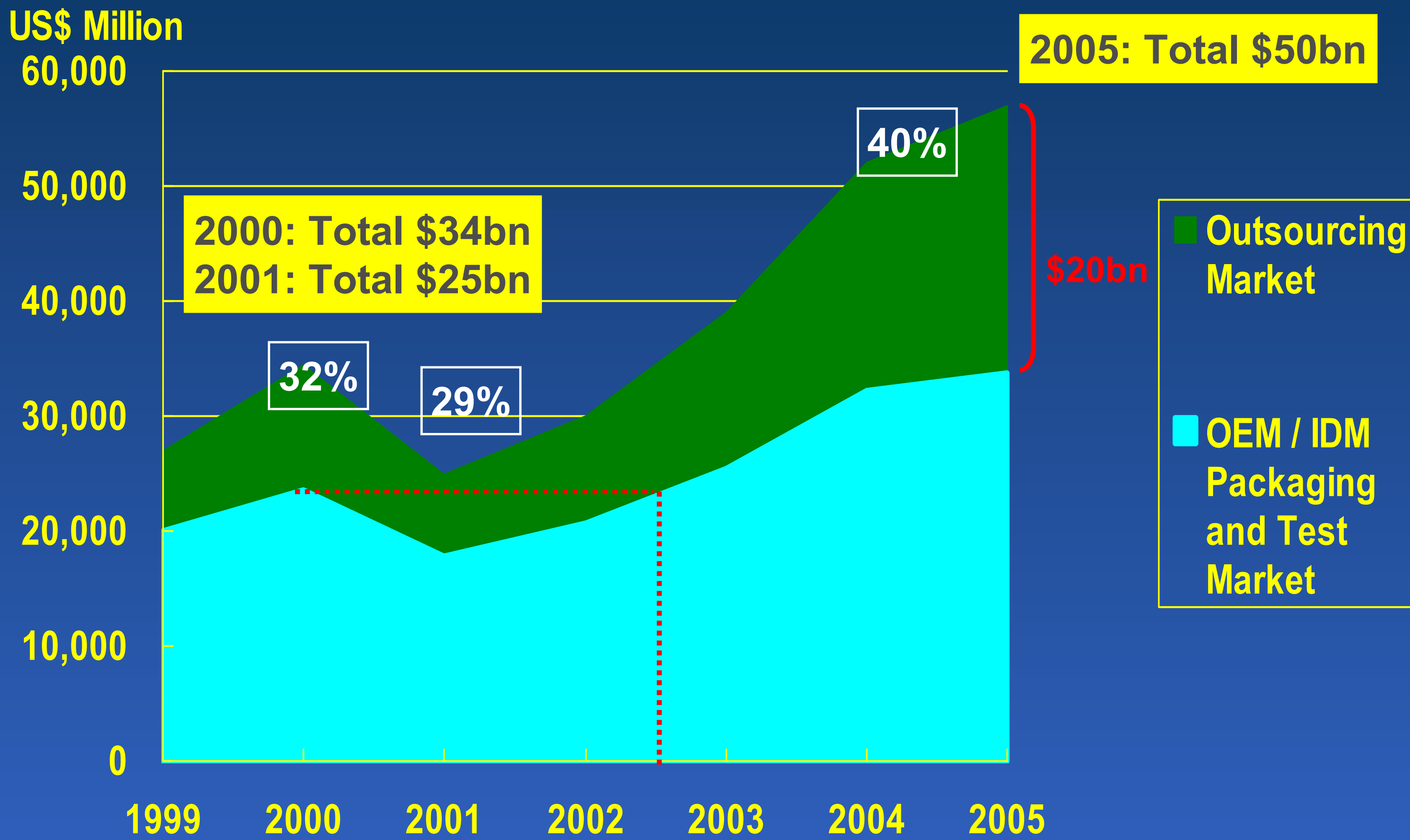
- IDMs are increasingly adopting a fab-lite business model to focus on core competencies--design and marketing
- Industry downturns weakened IDMs' financial capacity for investment in advanced capacity
- Technology/quality gap is narrowing or reversing between IDMs and subcontractors due to latter's continuous investments
- Particularly, most IDMs do not have sufficient business scale to build and support their own 300-mm fabs and will have to outsource wafer fabrication
- Same pattern for advanced assembly and test

Who Can Justify Owning A 12" Fab?

Rank	Company	2001 Revenue	Rank	Company	2001 Revenue
1	Intel	24,927	11	IBM	3,892
2	Toshiba	6,783	12	Mitsubishi	3,876
3	STM	6,360	13	Fujitsu	3,786
4	Samsung	6,303	14	AMD	3,701
5	TI	6,060	15	Agere	2,975
6	NEC	5,389	16	Matsushita	2,804
7	Motorola	4,828	17	Sony	2,570
8	Hitachi	4,724	18	Sharp	2,519
9	Infineon	4,512	19	Hynix	2,426
10	Philips	4,402	20	Micron	2,410

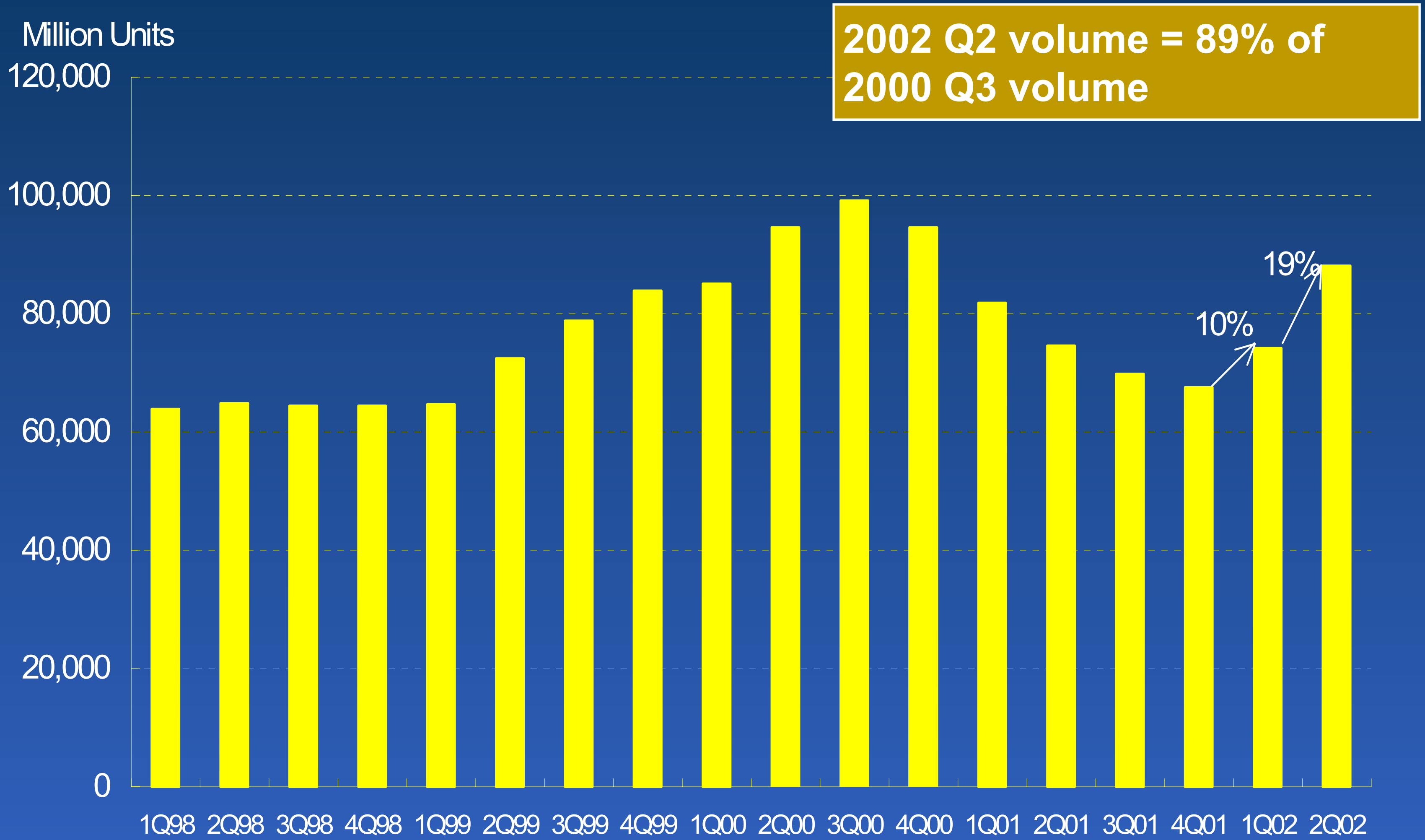
Source: Gartner, 2002

Semiconductor Back-End Market



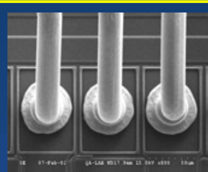
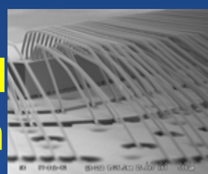
Source: Gartner, 2002

Worldwide Semiconductor Volume



Source: SIA

Technology Roadmap

Wafer Geometry			0.35um	0.25um	0.18um	0.13um	0.09um
Wirebond Pad Pitch		Single-In-Line	70um	60um	50um	45um	40um
		2 Row Staggered	80/45um	80/40um	70/35um	60/30um	50/25um
		3 Row Staggered		90/45um	80/40um	70/35um	60/30um
Tester		Tester Speed (Clock/ Data Rate)	50/100	100/200	200/400	200/800	400/1600
					(Mhz/Mbps)		
		Tester Channels	256	384	448	512	768

ASE Test Strategy

- Maintain unquestioned market leadership
- Strategic expansions through internal growth and acquisitions
- Leverage front-end testing expertise
- Work closely with equipment vendors
- Offer complete test solutions

To provide leading edge turnkey testing solutions/accelerate the outsourcing of test for semiconductor manufacturing

IC Manufacturing Value Chain

Design Cycle

Production Cycle

Front-End Testing | **Wafer Fab** | **Probing** | **Packaging** | **Testing**

"Front End" Program Development

Sort Die

Final Test
Burn In
Lead Scan

Drop Ship/
Distribution

ASE Test provides services in all stages of the testing cycle

Awarded No. 1 in the Fabless Segment!

Ranking	Probe	Burn-In	Assembly	Test
1	Other	**ISE Labs**	**ASE**	Other
2	**ASE**	Other	Other	**ASE**
3	TSMC	**ASE**	Amkor	Amkor
4	Amkor	Viko	SPIL	STATS
5	STATS	Amkor	ASAT	SPIL
6	**ISE Labs**	Carsem	STATS	**ISE Labs**
7	ASAT	In-house	OSE	Fujitsu
8	Fujitsu	Hana	Carsem	King Yuan
9	In-house	ASAT	Hana	OSE
10	King Yuan	STATS	Atlantic	ChipPac

Source: Fabless Semiconductor Association – Wafer and Packaging Demand Survey 2001

Global Business Platform

ASE Chung Li
ASE Korea

All close to foundry, IDM, and assembly

ISE Labs

Engineering and production testing services for Silicon Valley customers

ISE Hong Kong
ISE Singapore

Near distribution centers for drop shipment

ASE Taiwan

Focuses on advanced logic/mixed signal testing. Offer turnkey services with ASE Inc. assembly at the same location

ASE Malaysia

Provides both testing and assembly services

▲ **Test**
● **Assembly**

Leverage Front-End Expertise

- Only front-end/back-end combination; 80% market share in Silicon Valley
- Proximity to design centers allows ASE Test to become customer's test center
- Influence customers on test platform choice; jointly save time and cost for customers
- Early involvement means better understanding of customers' products to improve test yield
- Design cycle is "door opener" to secure volume production

Close Ties to Equipment Vendors

- Technology Center in Silicon Valley attracts customers and equipment vendors

Agilent

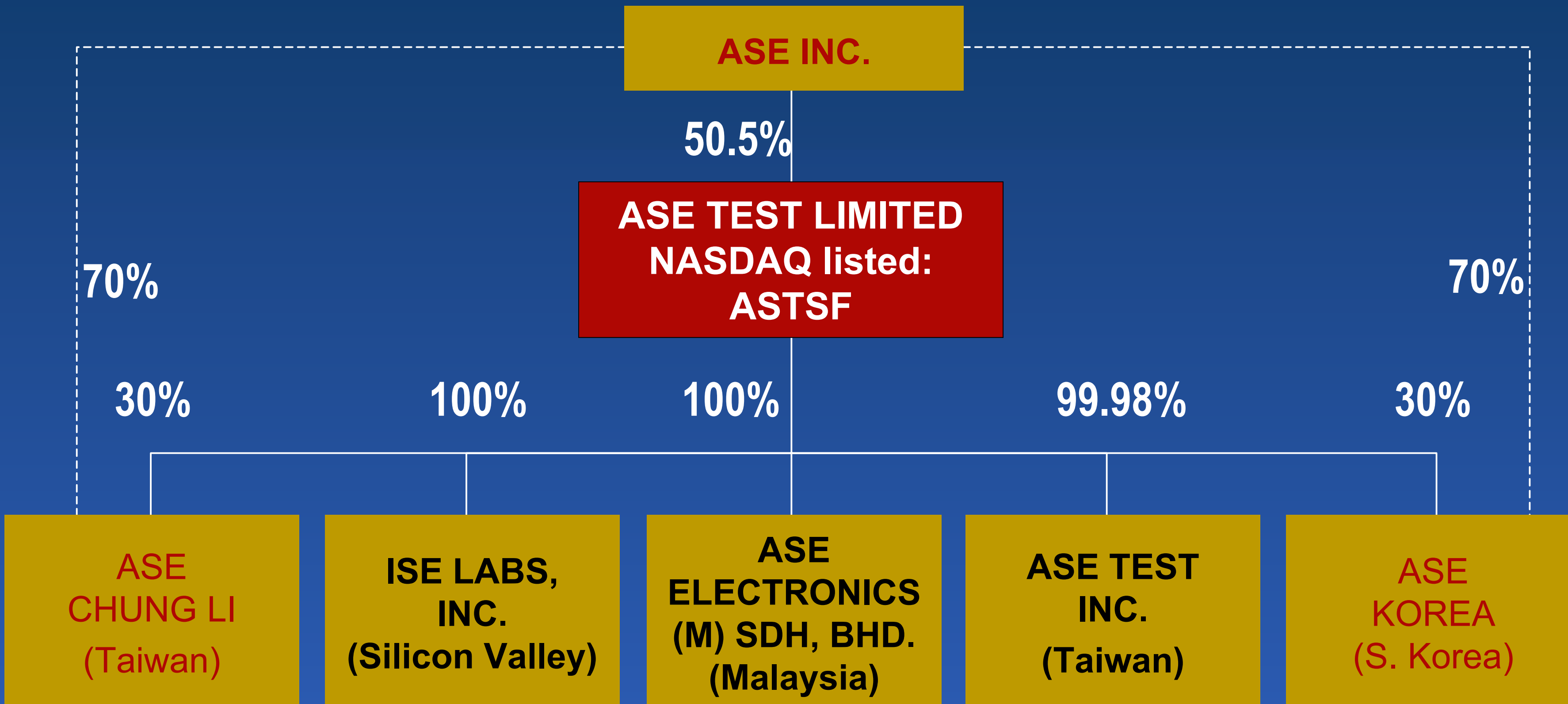
Credence

LTX

NP Test (Schlumberger)

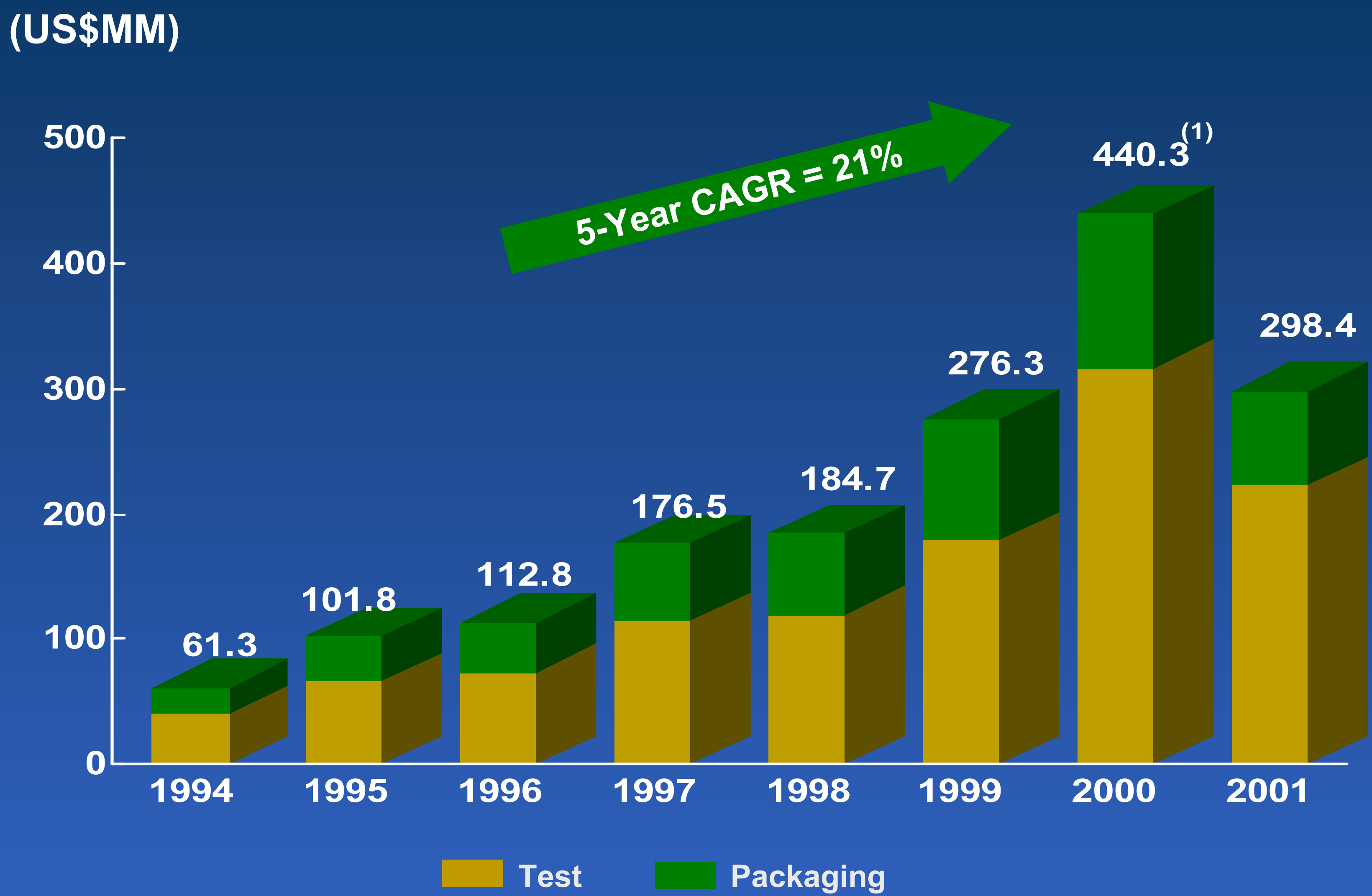
Teradyne

Corporate Structure



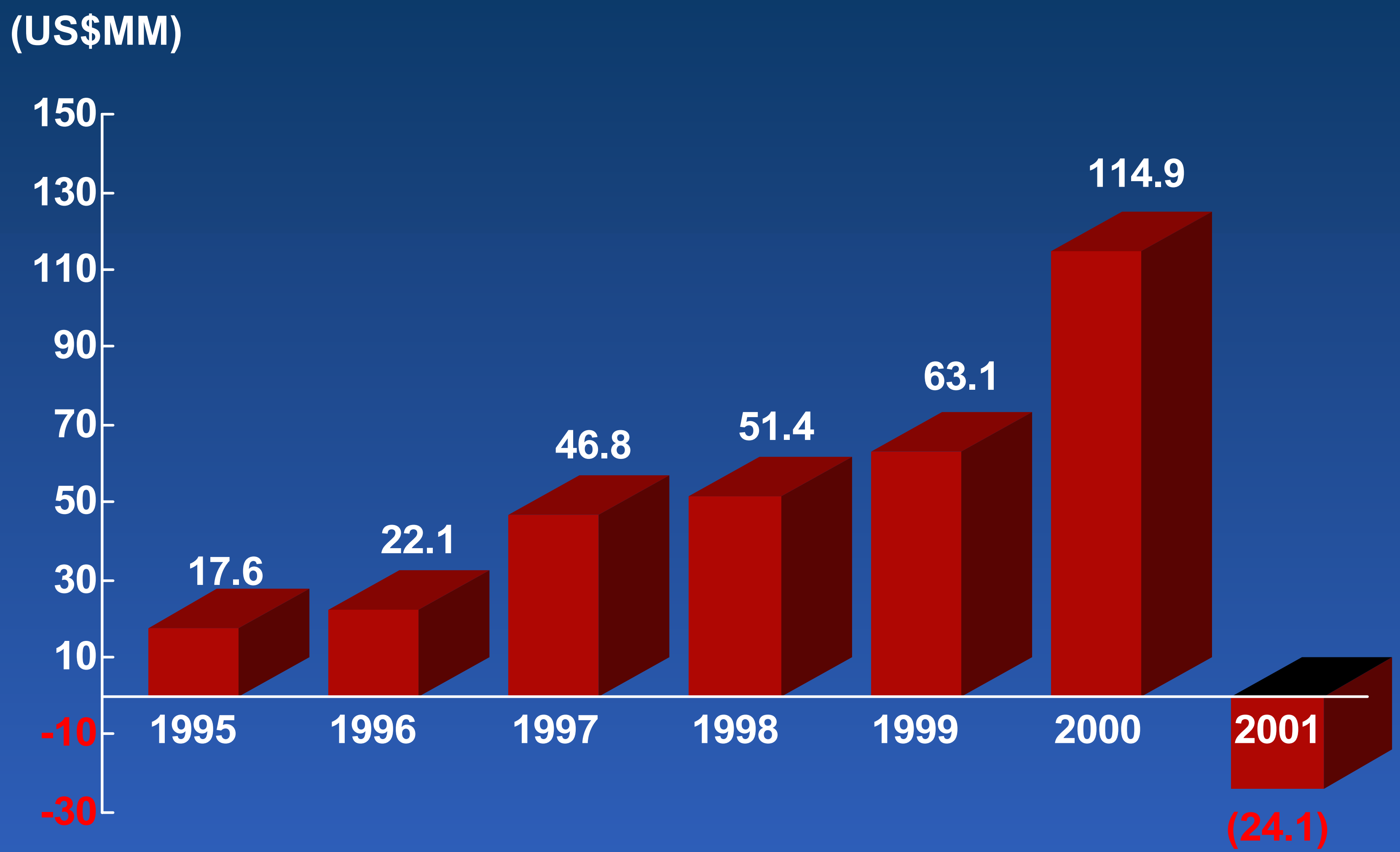
**Black text indicates subsidiaries that are fully consolidated by ASE Test Limited.*

2001 Result: Revenues

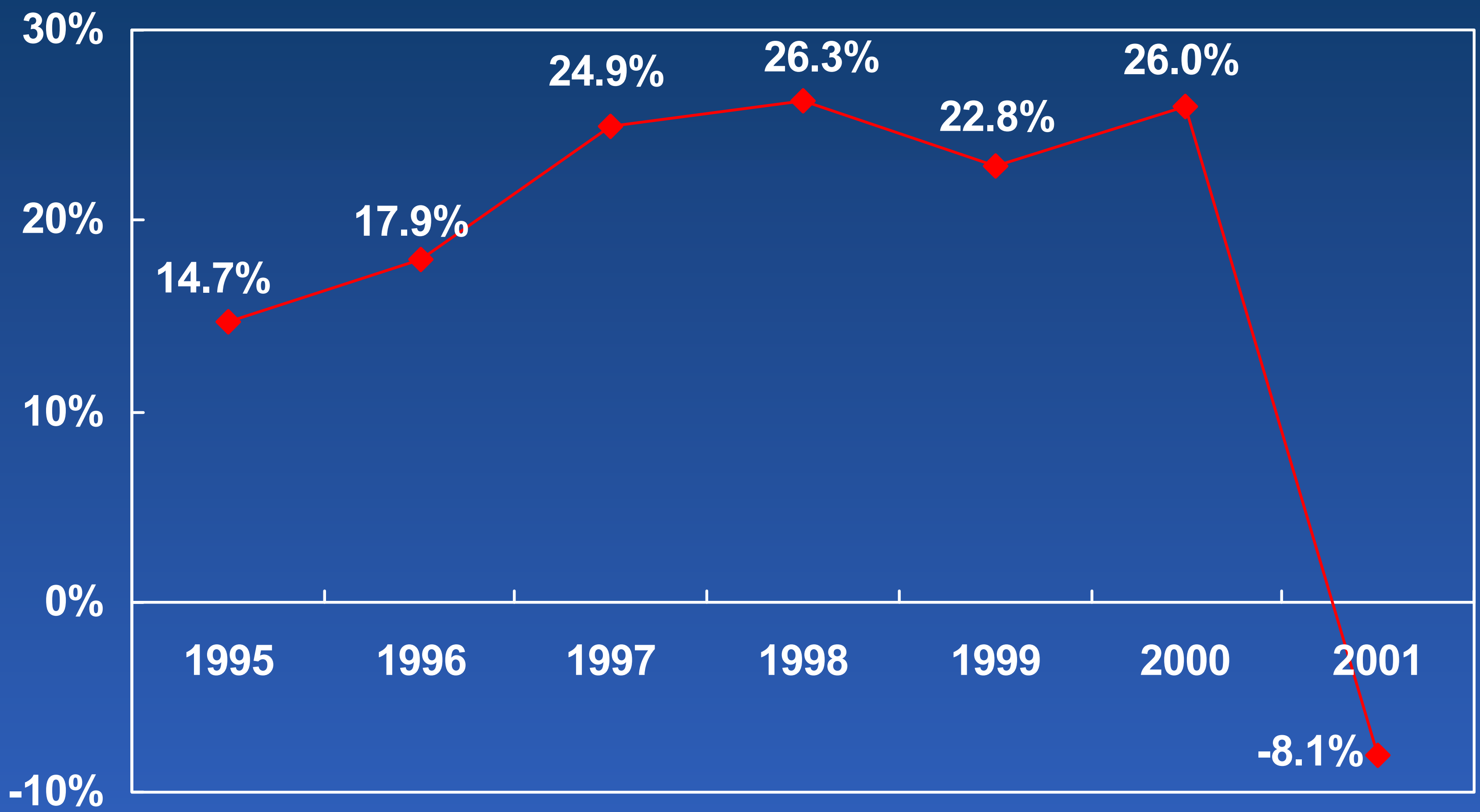


Note:(1) Reported 2000 revenues exclude Manteca packaging sales

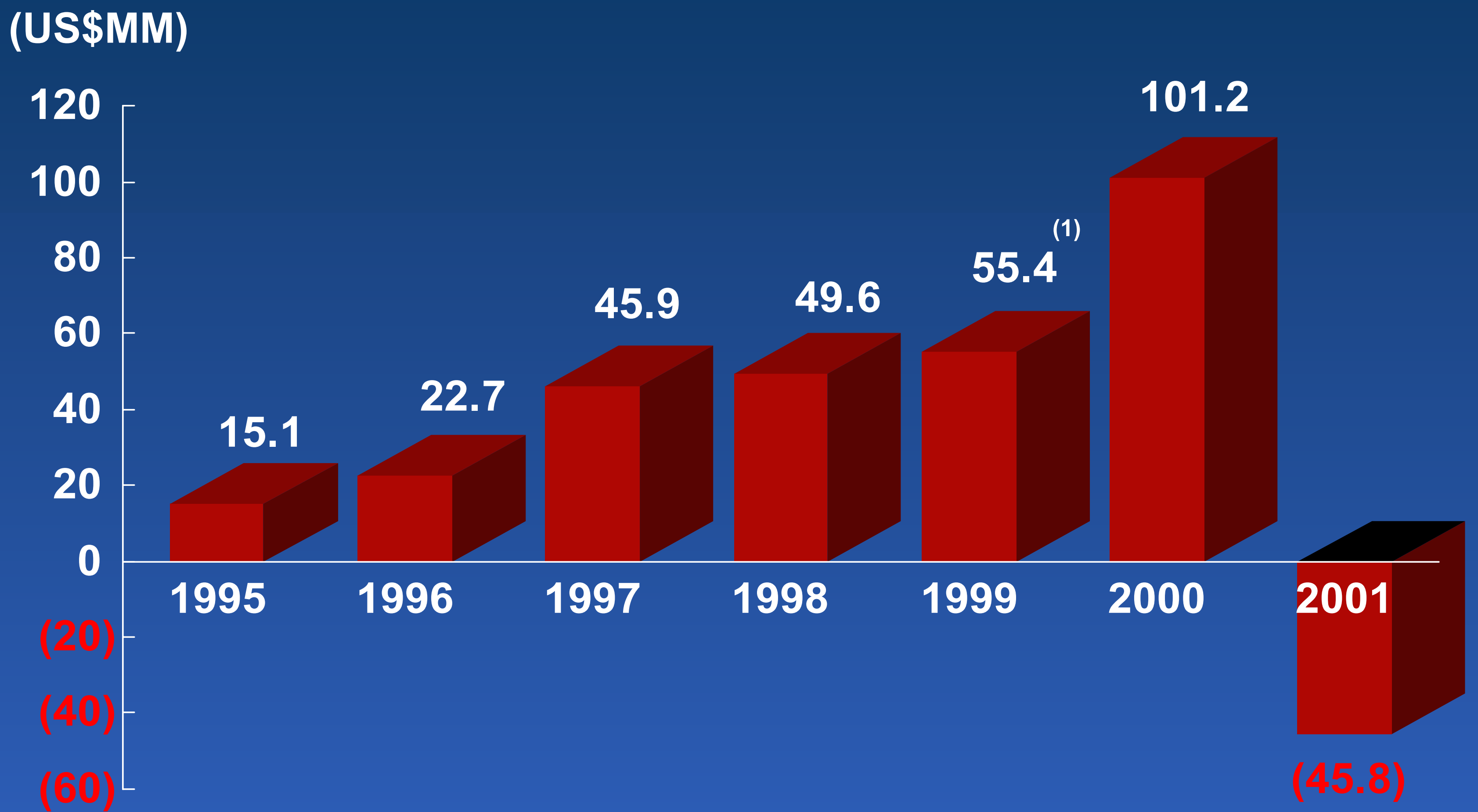
2001 Result: Operating Income



2001 Result: Operating Margin

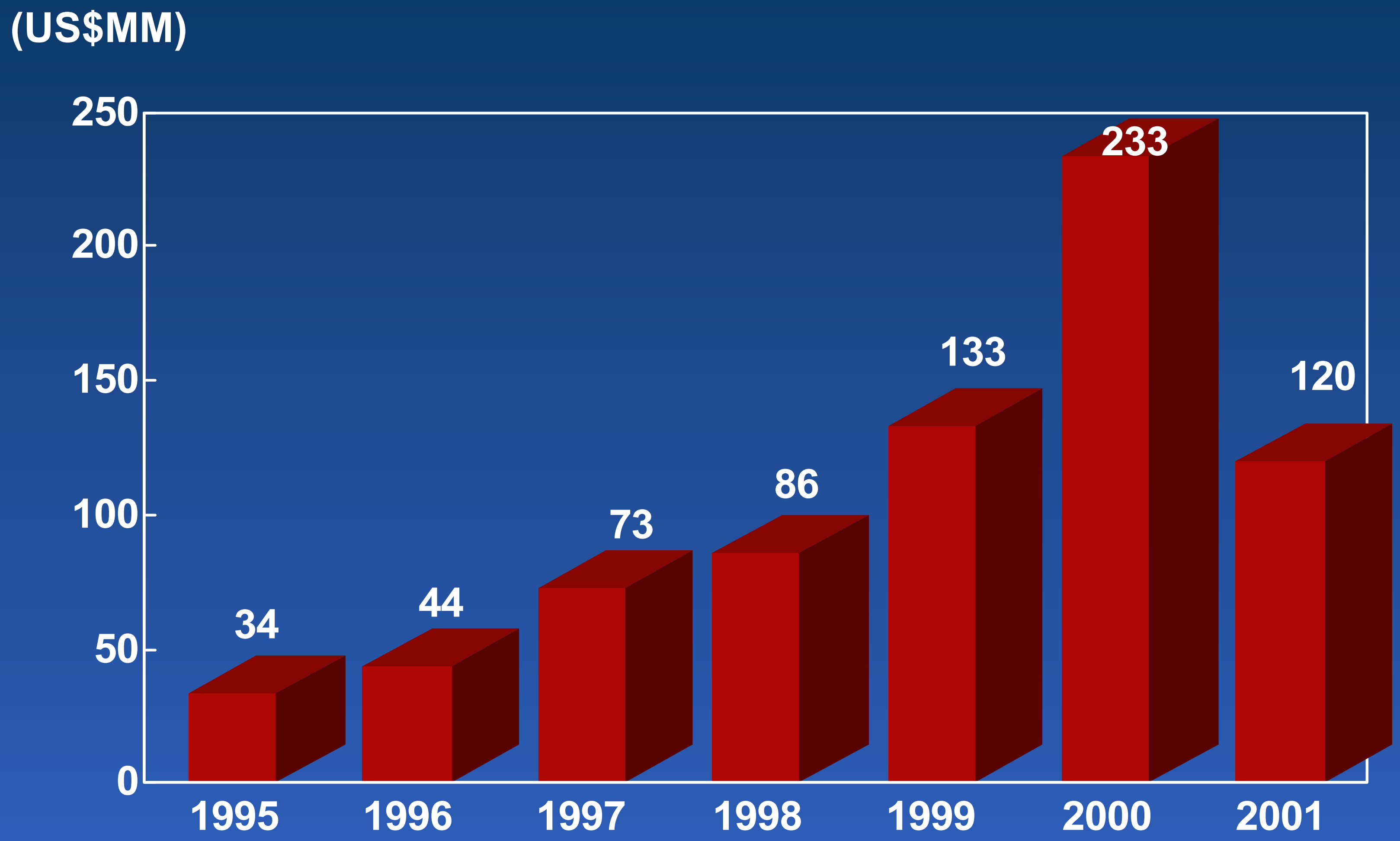


2001 Result: Net Income



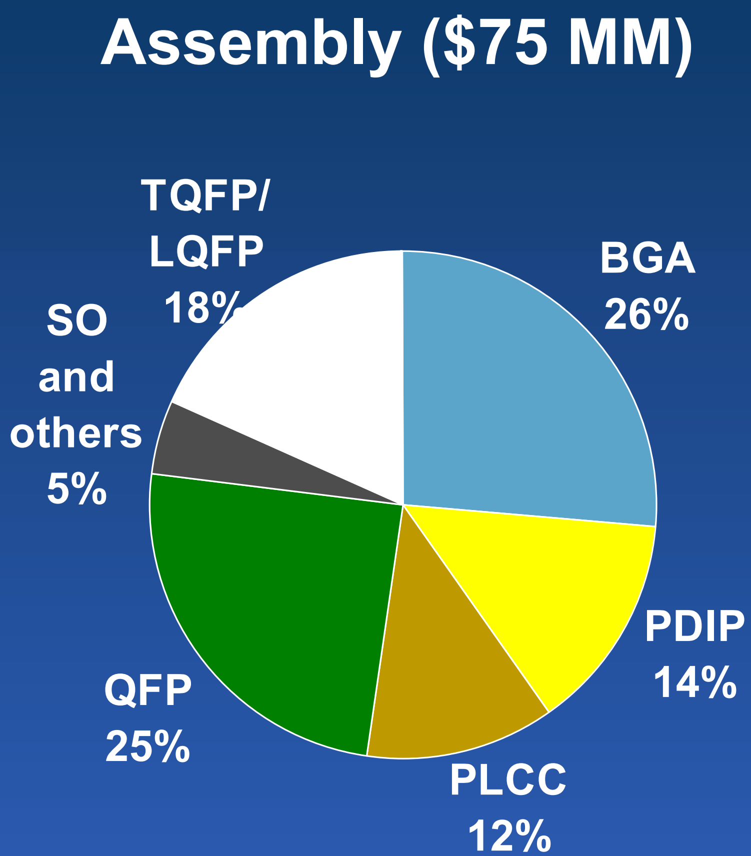
Notes: (1)1999 net income included one-time capital gain of USD 6.6 million

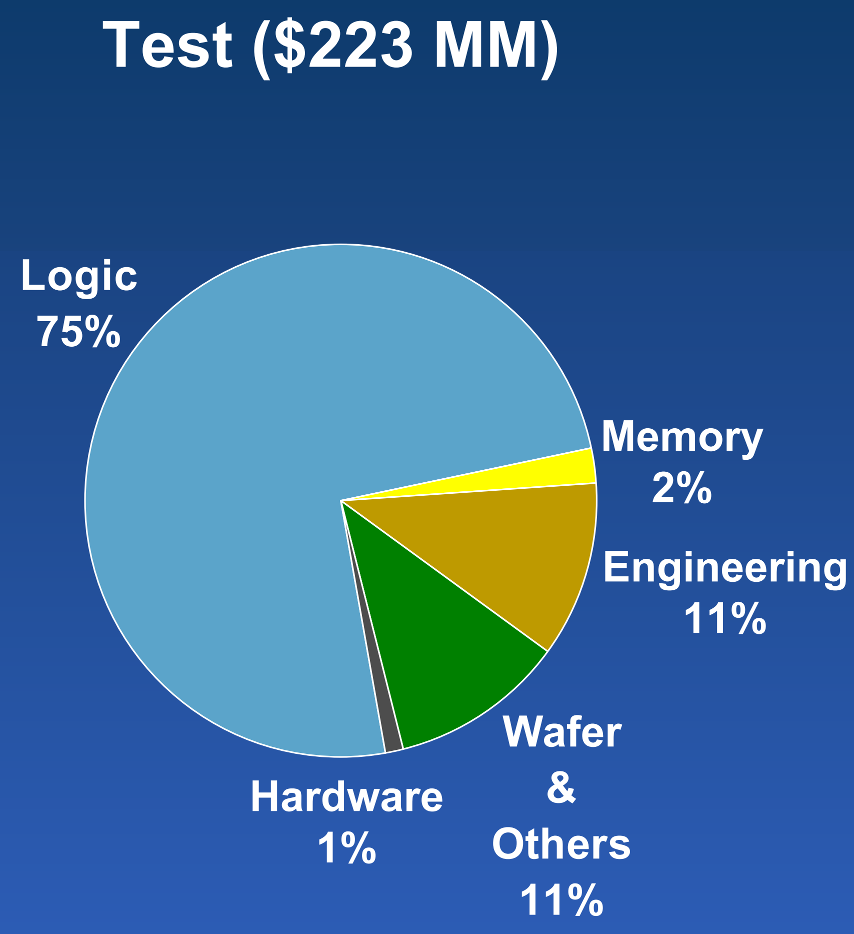
2001 Result: Gross Cash Earnings



Gross Cash Earnings = Operating Income + Depreciation + Amortization

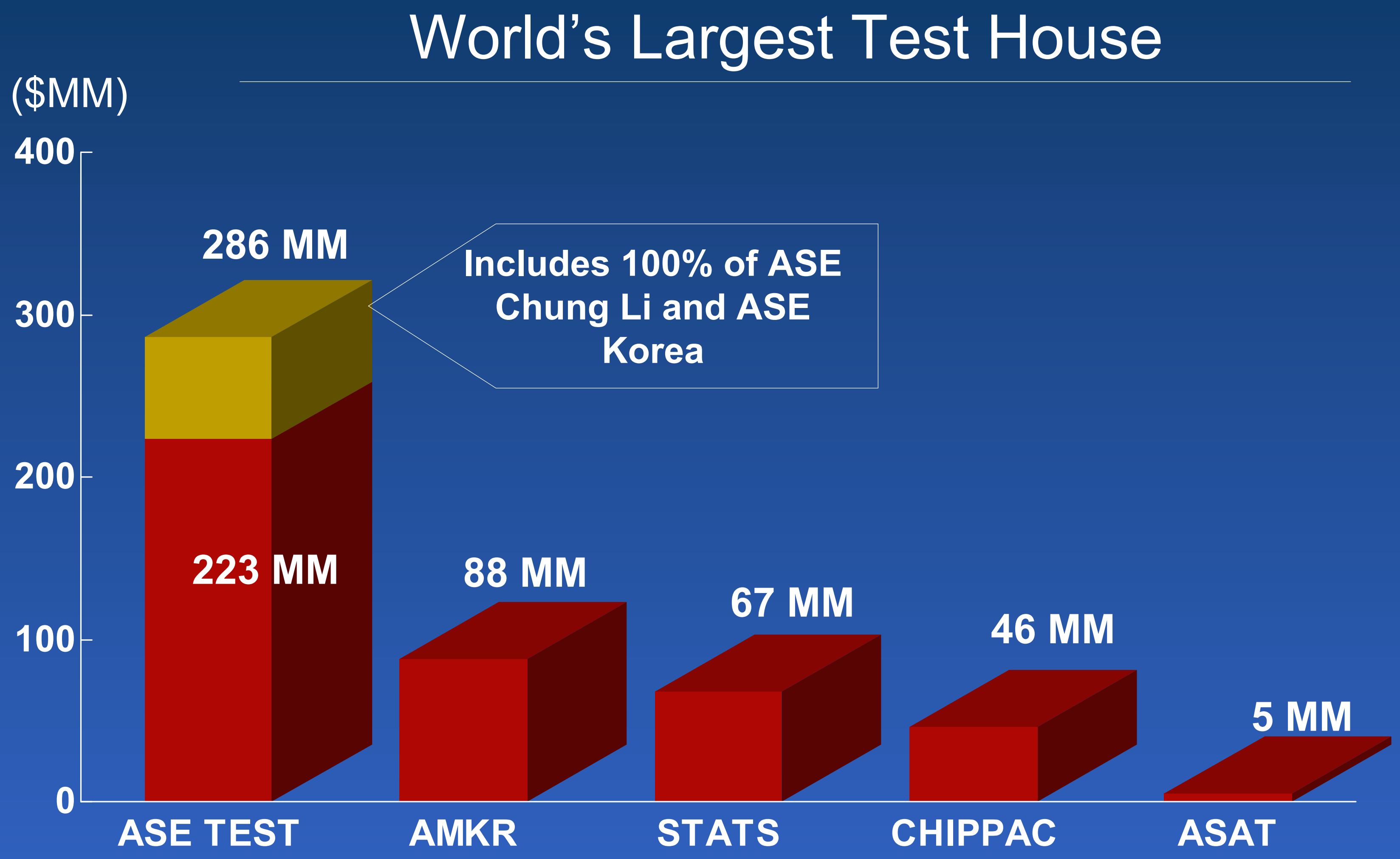
2001: Revenue Segmentation



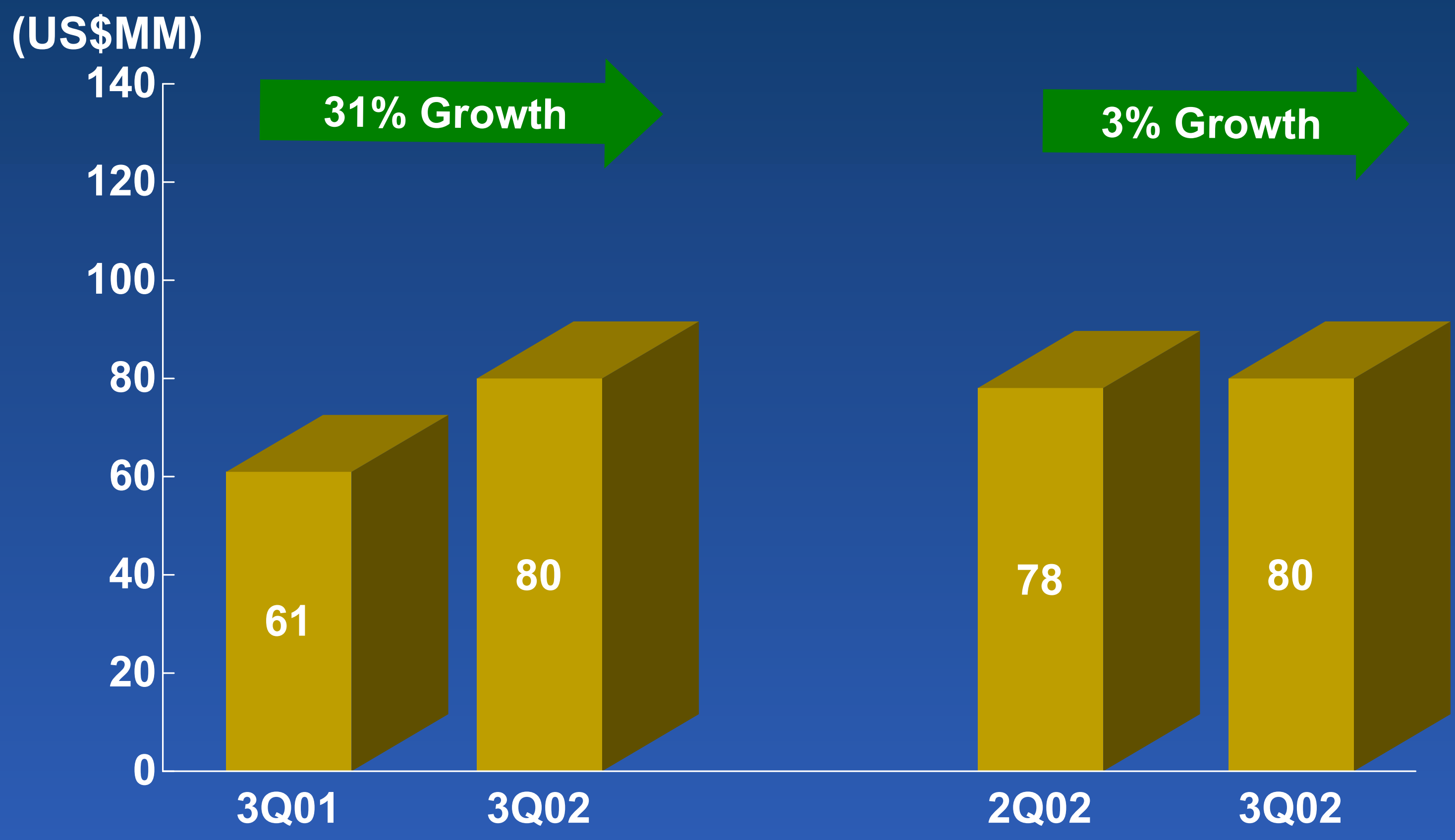


QFP includes QFP, MQFP, and PQFP. SO includes SOP, SOJ, SSOP, and TSOP.

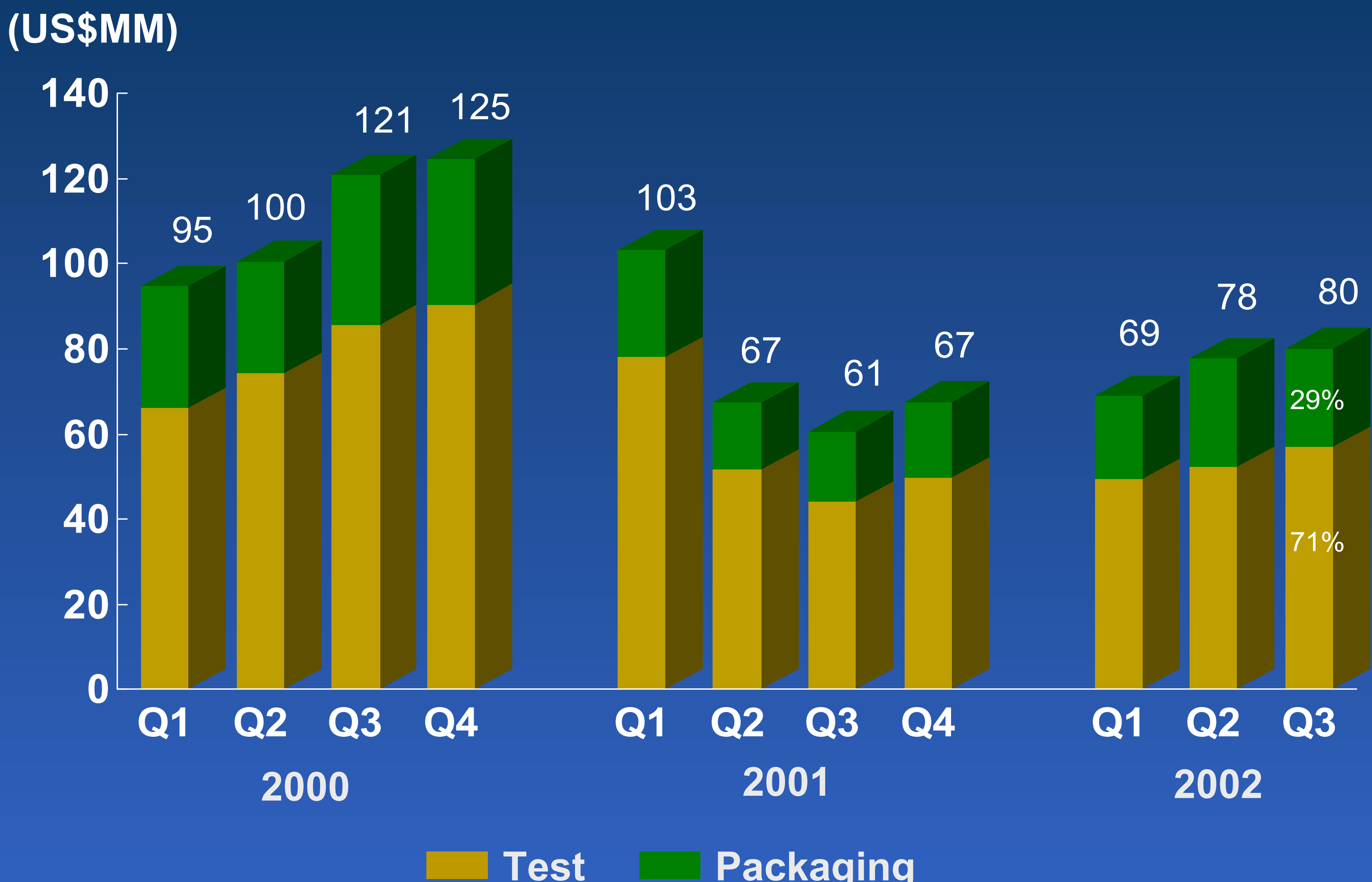
Comparison: 2001 Test Revenues



3Q02 Result: Revenues

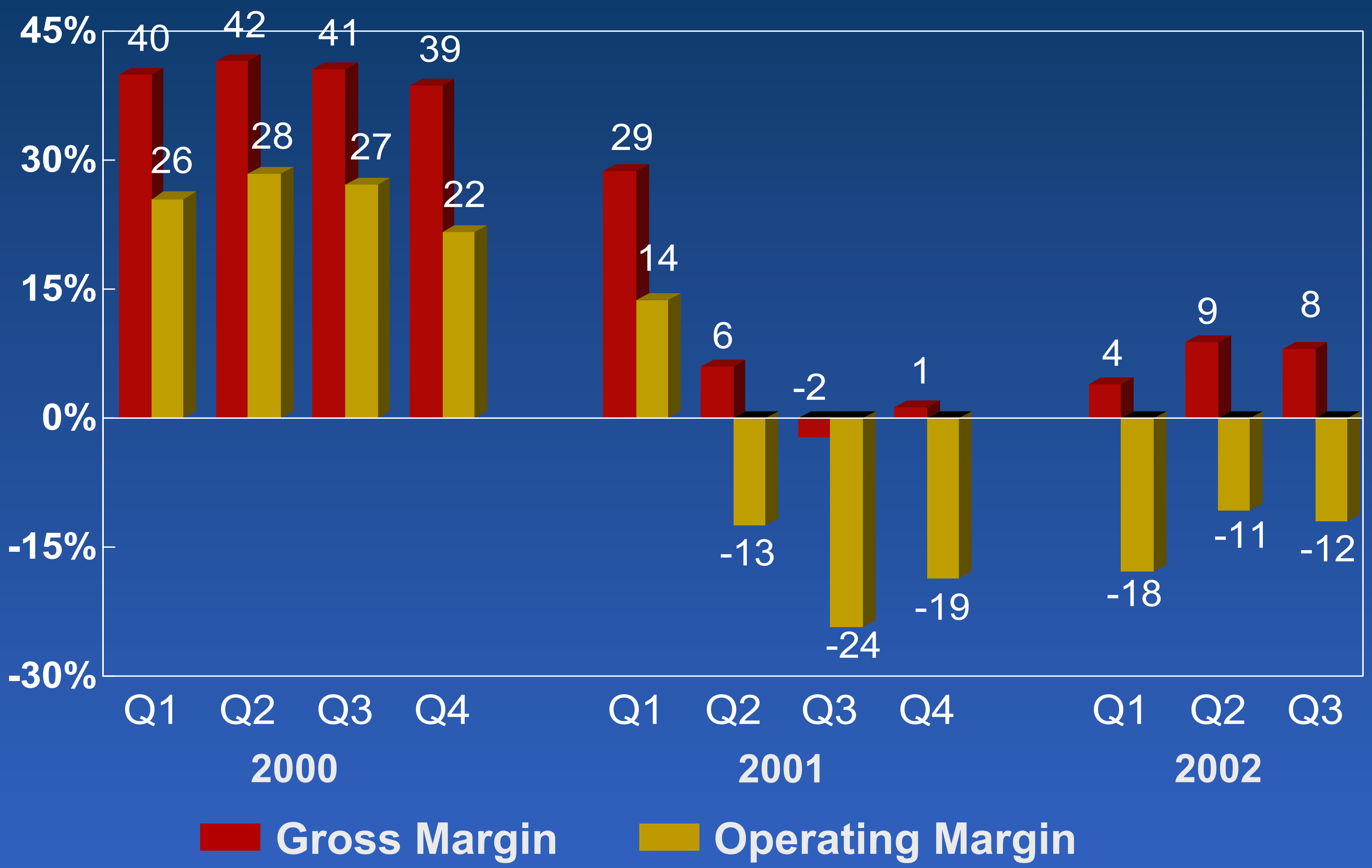


3Q02 Result: Revenues

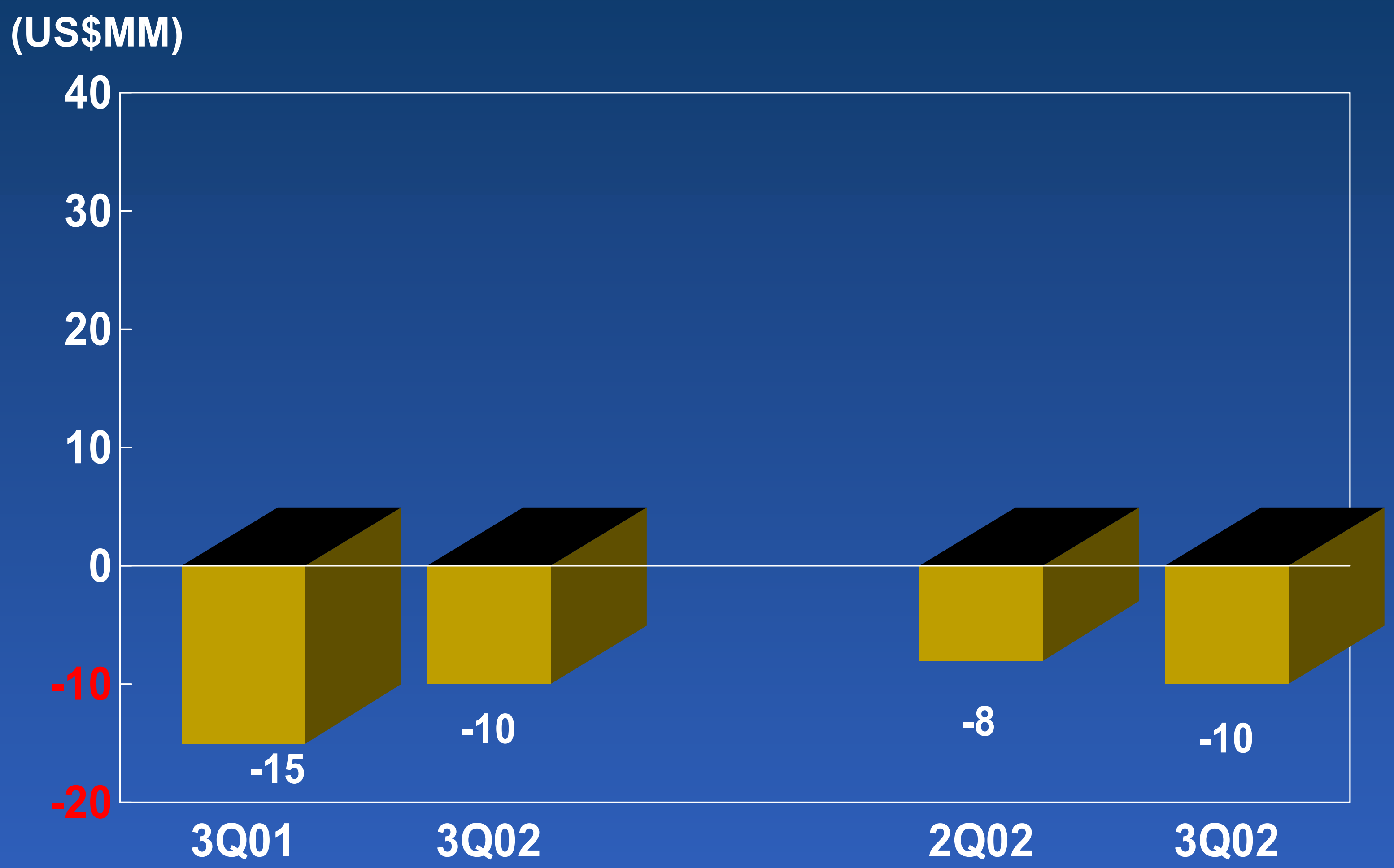


Reported 2000 revenues exclude Manteca packaging sales.

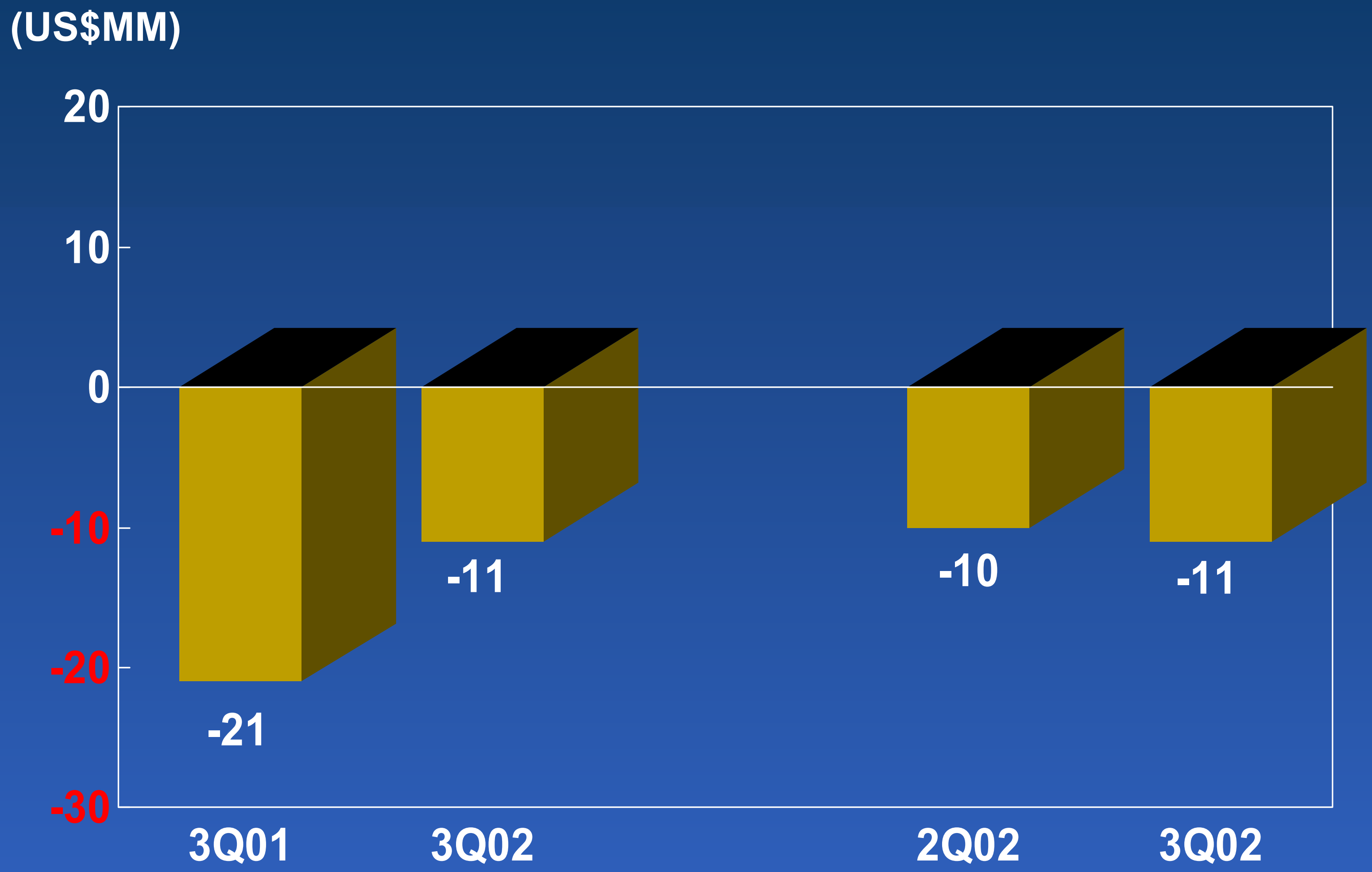
3Q02 Result: Quarterly Margins



3Q02 Result: Operating Income

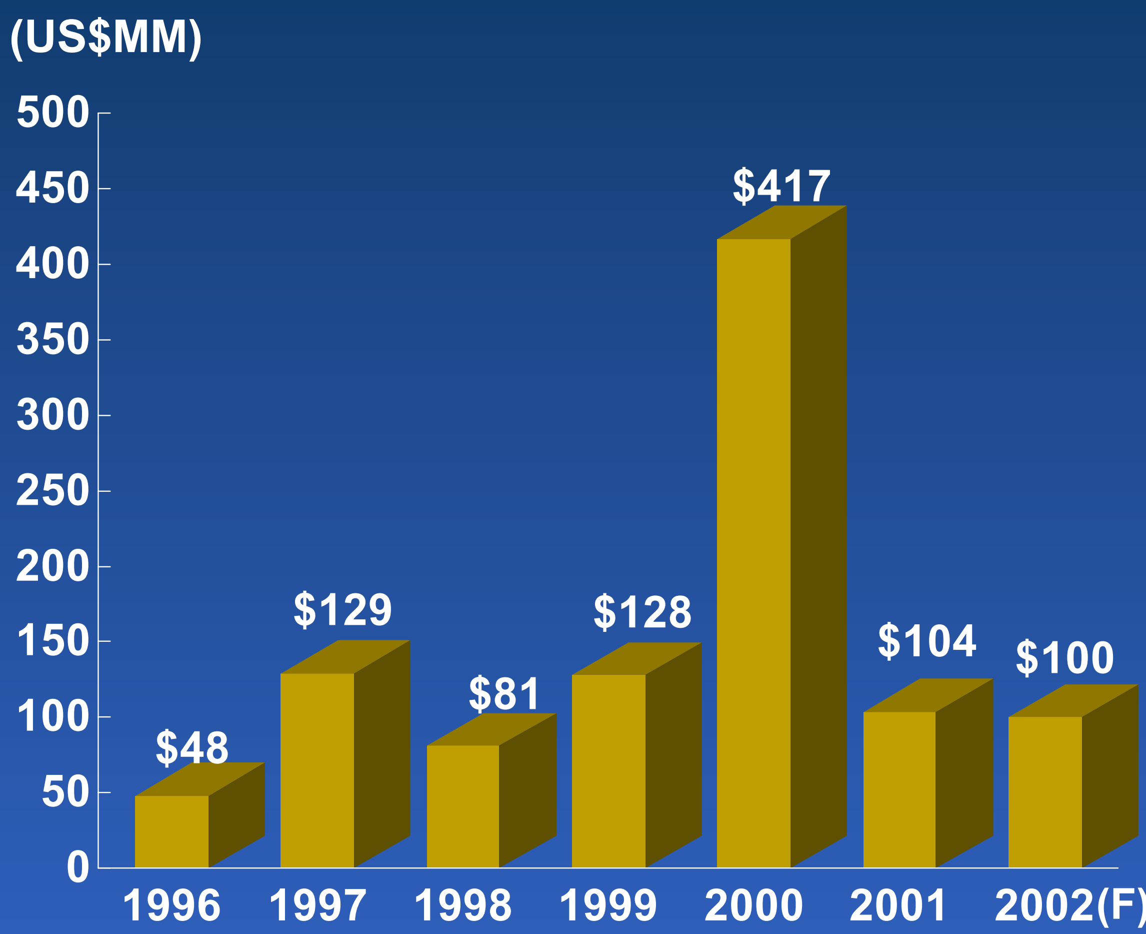


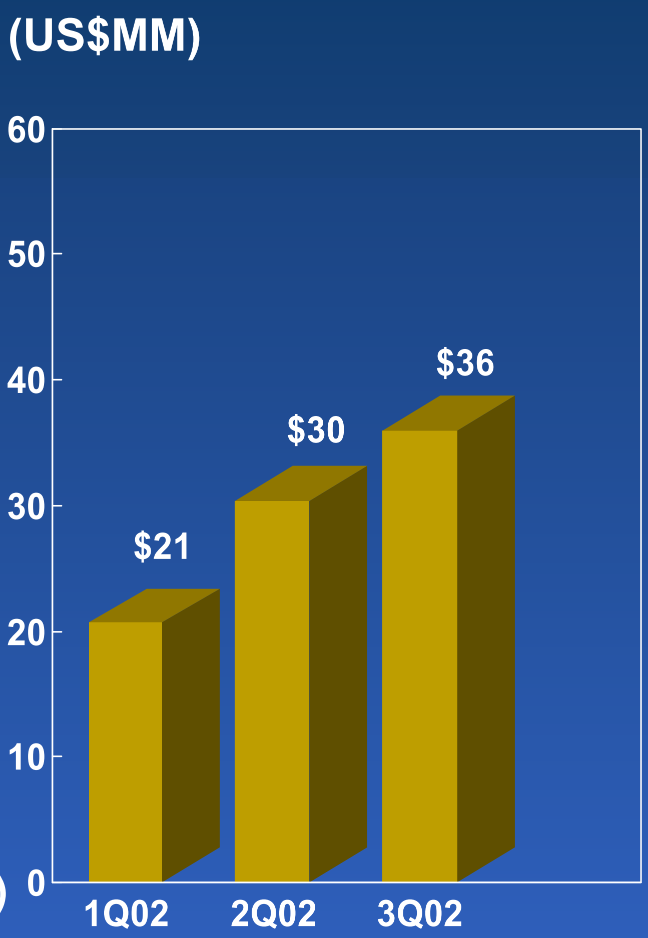
3Q02 Result: Net Income



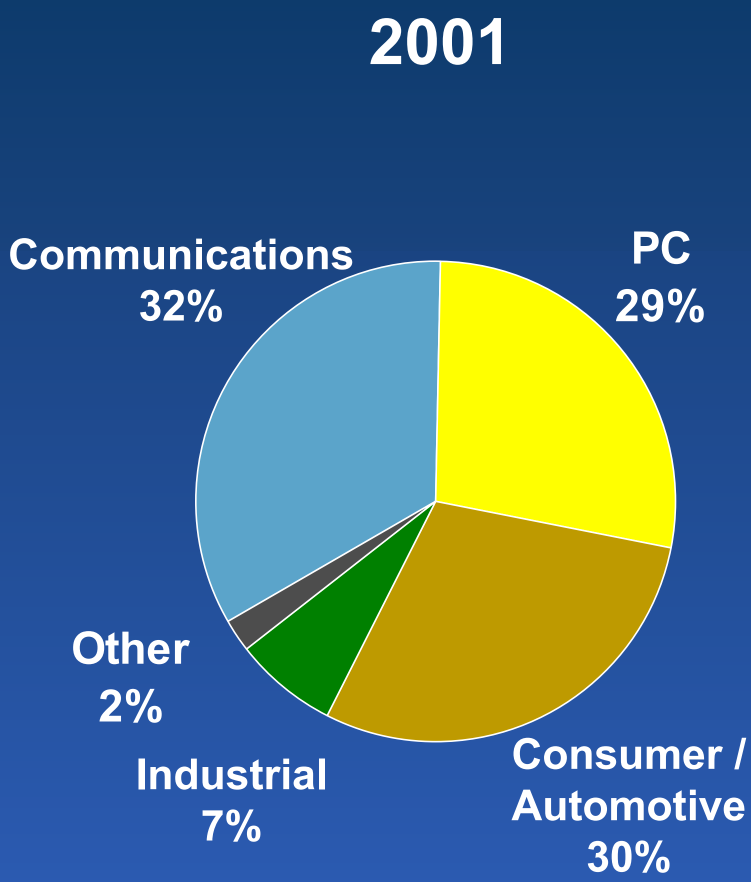
Figures are in US GAAP.

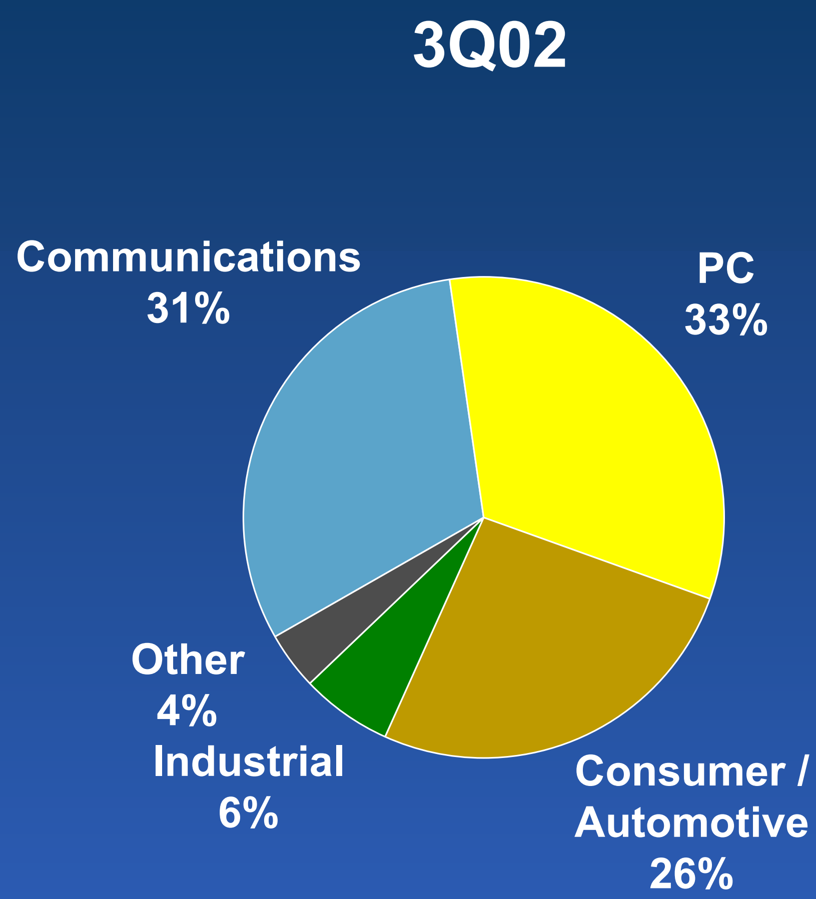
3Q02 Result: Capital Expenditure





2001 & 3Q02: End Market Segmentation

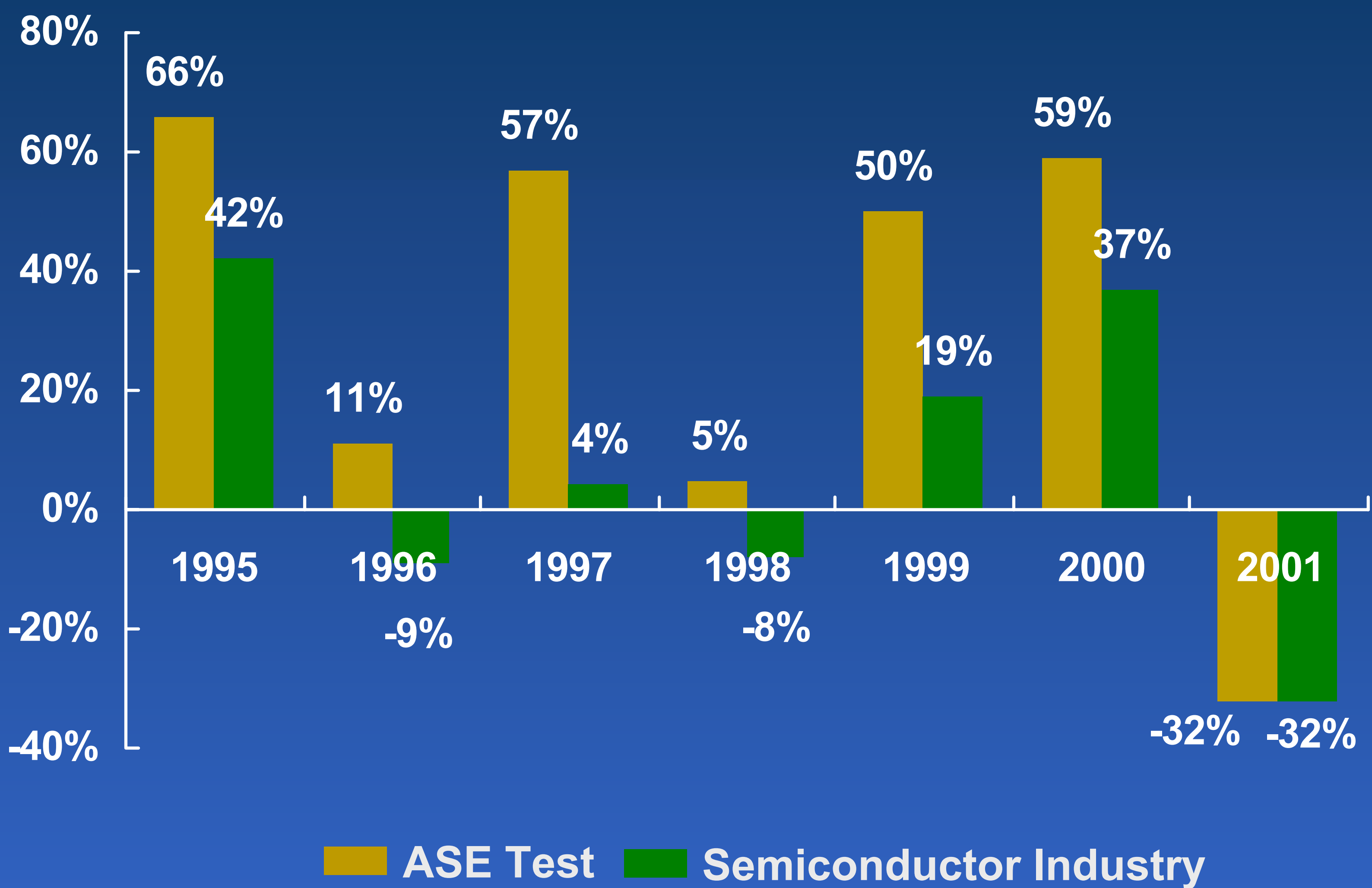




Top Customers (3Q02)

- Agilent
- Altera
- ATI Technology
- Atmel
- DSP Group
- ESS Technology
- Genesis Microchip
- Legerity
- LSI Logic
- Marvell
- Motorola
- Nvidia
- Philips
- S.I.S.
- VIA Technologies

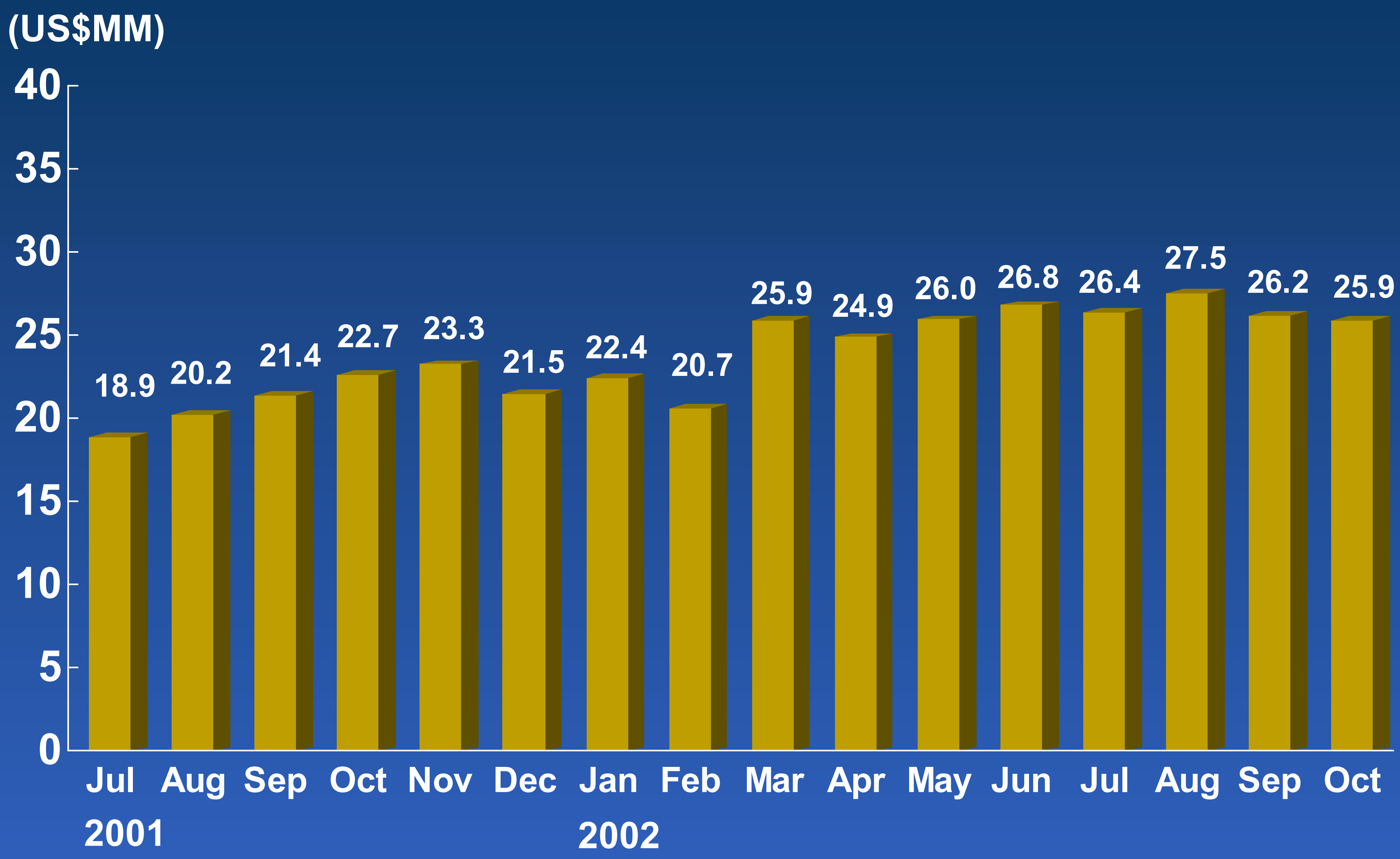
Comparison: ASE Test & Industry Revenues



Capital Structure

(US$MM)		1999	2000	2001	3Q02
Cash		$57	$157	$138	$124
Short-Term debt		$28	$40	$29	$97
Long-Term debt	CB	$165	$176	$187	$196
	Other	$100	$89	$63	$30
Shareholders' equity		$295	$643	$598	$583

ASE Test Monthly Revenues



Investment Highlights

- Beneficiary of outsourcing trend
- World's largest independent IC test house offering end-to-end total testing solution
- Diversified global customer base in 3C sectors with global operation
- Growth through internal expansion/strategic acquisitions
- Excellent financial track record

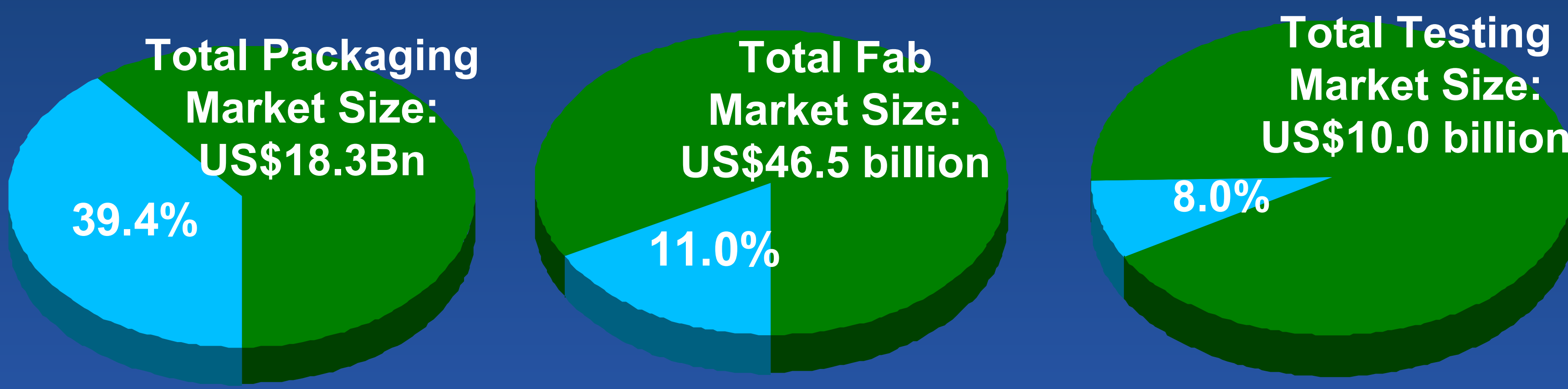
World's Dominant IC Testing House

ASE TEST LIMITED

May 2002

Enormous Upside in Test Outsourcing

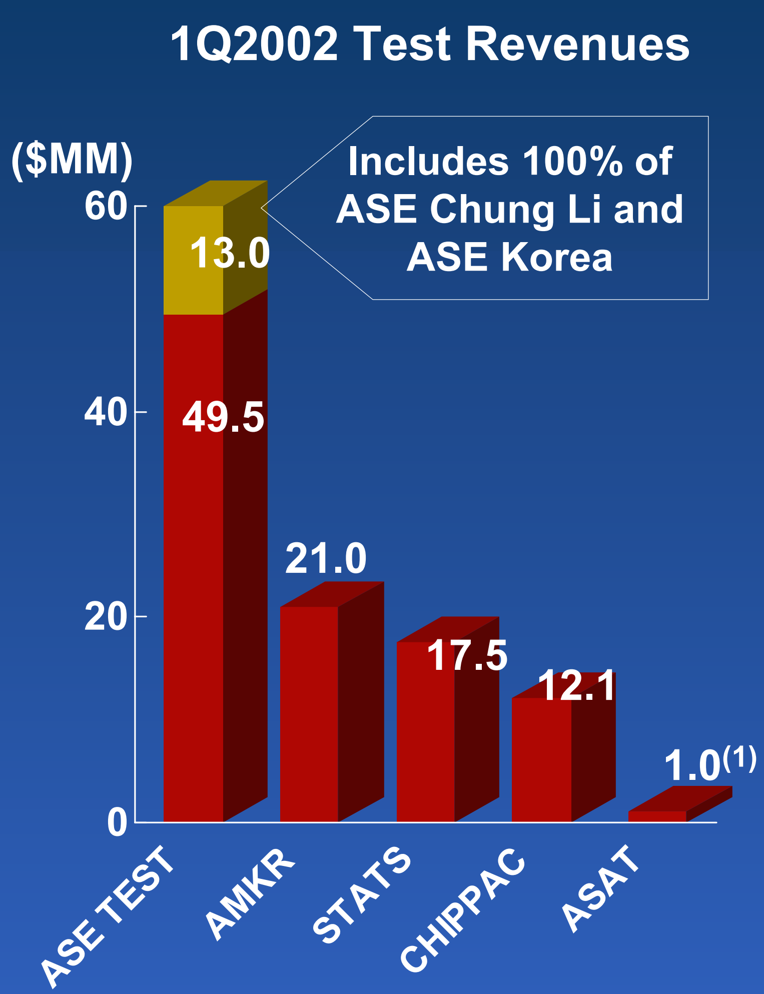
Outsourced Market Comparisons (1999)

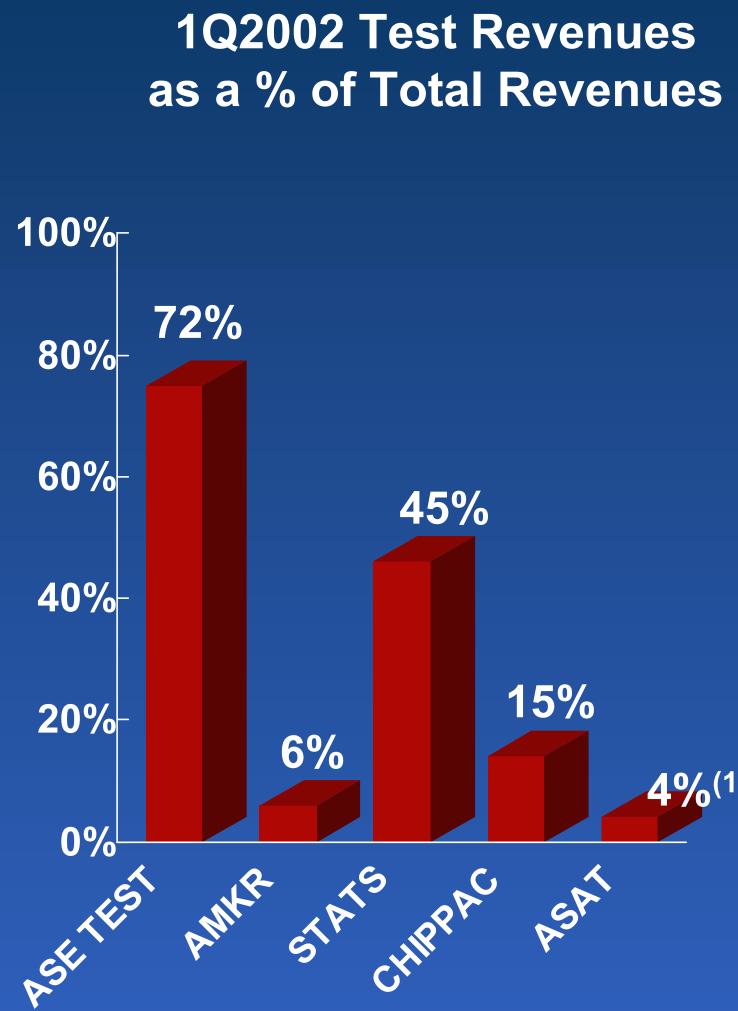


IC Package Assembly (1) Foundry(2) IC Testing (3)

Notes:
(1) ETP
(2) Company estimate
(3) Company estimate

Purest Play in Test





Note: (1) CSFB Equity Research Estimate

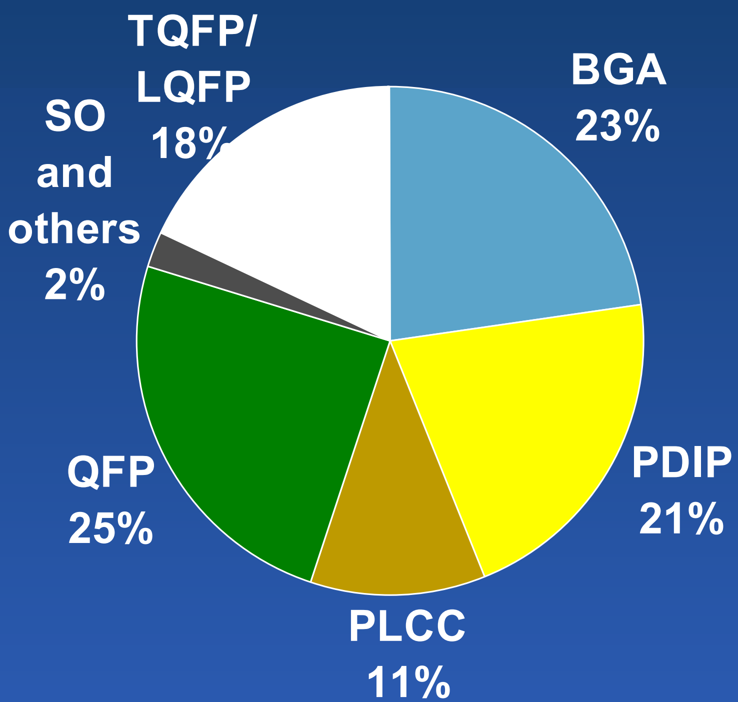
Comparison: Annualized Cash Return on PP&E

	4Q01	1Q02
ASE Test	16%	18%
AMKOR	5%	6%
CHIPPAC	-36%	14%
SPIL	21%	24%
STATS	-36%	-4%

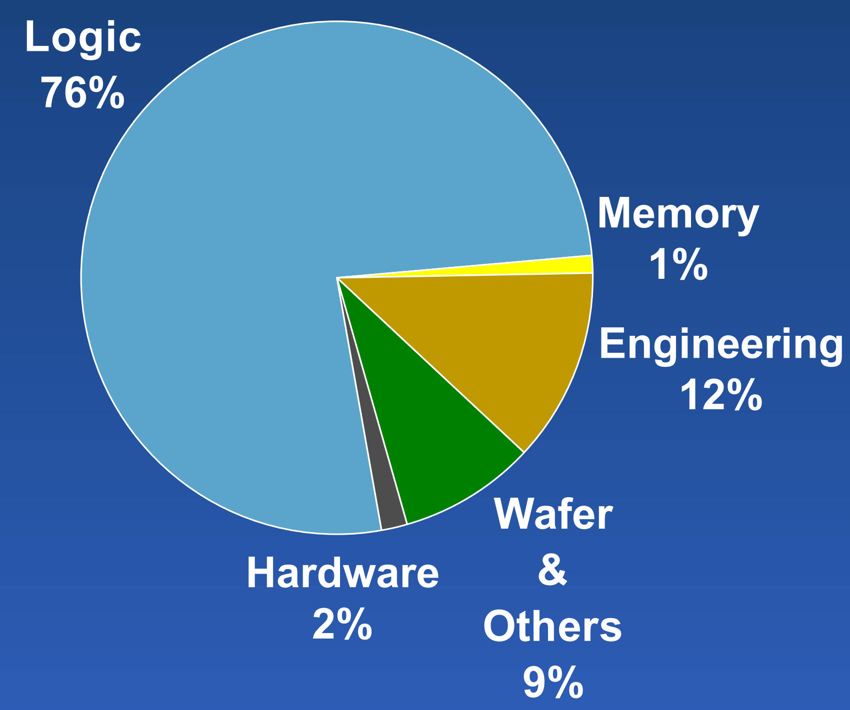
Source: company data and public earning releases
(operating income + depreciation & amortization) / average PP&E

1Q02 Result: Revenue Segmentation

Assembly ($20MM)



Test ($49 MM)



QFP includes QFP, MQFP, and PQFP. SO includes SOP, SOJ, SSOP, and TSOP.