Consolidated Medium-Term Business Plan

(Fiscal years 2003 – 2005)

June 3, 2003



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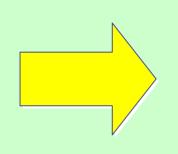
Cautionary Statement

- Certain statements in this presentation contain forward-looking statements concerning forecasts, assertions, prospects, intentions and strategies. The decisions and assumptions leading to these statements were based on information currently available to Kobe Steel. Due to possible changes in decisions and assumptions, future business operation, and internal and external conditions, actual results may differ materially from the projected forward-looking statements. Kobe Steel is not obligated to revise the forward-looking contents of this presentation.
- Uncertain and variable factors include, but are not limited to:
 - ► Changes in economic outlook, demand and market conditions
 - Political situation and trade and other regulations
 - ► Changes in currency exchange rates
 - Availability and market conditions of raw materials
 - Products and services of competing companies, pricing policy, alliances, and business development including M&As
 - Strategy changes of alliance partners

. Basic Strategy

1. Financial Targets

	FY2002
(in billions of yen)	(Actual)
Sales	1,204.7
Ordinary income	35.4
ROA	3.4%
Debt	895.8
(3-year decrease)	(400.0)



FY2005 (Goals) 1,250.0 80.0 6% 640.0 (250.0)

2. Results & Targets by Fiscal Year

	Prior Plan FY2002	FY2002	FY2003	Temporary Measures	New Plan FY2005
(in billions of yen)		Actual	Forecast	FY'04 Goal	Targets
Sales	1,430.0	1,204.7	1,190.0	_	1,250.0
Ordinary income	65.0	35.4	43.0	40.0	80.0
ROA	5.0%	3.4%	3.7%	-	6.0%
Debt	1,090.0	895.8	829.0	_	640.0
(3-year decrease)	(205.0)	(400.0)	(-)	(-)	(250)

3. Five Basic Goals

- 1) Strengthen our position as a distinctive manufacturer
- 2) Boost our competitiveness
- 3) Improve our financial position
- 4) Create cash flow through higher profits
- 5) Increase market confidence in us

1) <u>Strengthen our position</u> as a distinctive manufacturer

Three main businesses

- Steel and IPP
- Rolled aluminum and copper business
- Machinery and engineering business

Aim: Become a manufacturer of distinctive, top-class products

Ratio of distinctive products: 30% 40%

2) Boost Competitiveness

Implement effective, focused capital investments to raise competitiveness

Capital investment plan (non-consolidated)

FY2000-2002: 70 billion yen/3 years



FY2003-2005: 100 billion yen/3 years

3) Improve our Financial Position

	FY2002	FY2005	(including proj	ect financing)
(in billions of yen)			(FY2002)	(FY2005)
Debt	895.8	640.0	(966.3)	(780.0)
		(03-05/3yrs)		(03-05/3yrs)
Cash flow	-	250.0	(-)	(190.0)
D/E ratio	3.1	1.7	(3.3)	(2.1)

2) Others

(in billions of yen)	FY2002	05年度
Total Assets	1,903	1,800
Return on sales	2.9%	6.4%
Return on assets	3.4%	6.0%

3) Improve our Financial Position

Creating cash flow

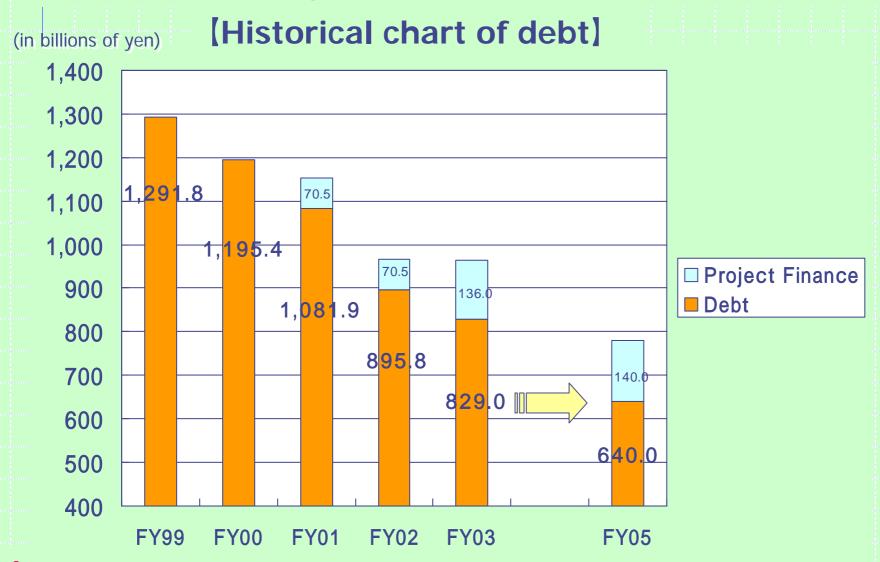
, , , , , , , , , , , , , , , , , , , ,
03-05/3yrs
180.0
200.0
55.0
125.0
25.0
35.0
250.0

435.0

185.0

Reduction of Debt

3) Improving our financial position



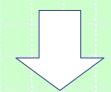
4) Create cash flow through higher profits

FY2005 ordinary income: 80 billion yen

FY2005 return on assets: 6%

5) Increase confidence of the capital market in us

Improve financial position by increasing profits and ensuring cash flow



Return credit rating to the A level (as evaluated by Japanese credit rating agencies) by FY2005

4. Consolidated targets

1) Premises of the Plan

		·	
	FY2002		FY2005
Japan's crude steel production (million tons/yr)	109.8		100.0
Kobe's crude steel production (million tons/yr)	6.8		flat
	1 201	Ī	flot
Aluminum sheet demand (1,000 tons/yr)	1,301		flat
Copper sheet demand (1,000 tons/yr)	626	L	flat
Exchange rate (yen/US\$1.00)	122 yen		115 yen

2) Profit Targets by Segment (Salos & Protay ordinary income)

(Sales & Pretax ordinary income)

(in billions or yen)	FY02	FY05
Sales	1,204.7	1,250.0
Iron & Steel	523.4	570.0
Aluminum & Copper	248.0	250.0
Machinery	373.5	380.0
Others	59.8	50.0
O <u>rdinary Income</u>	35.4	80.0
Iron & Steel	20.5	50.0
Aluminum & Copper	3.8	8.0
Machinery	1.0	12.0
Others	10.1	10.0

(reference)

<u> </u>
FY03
1,190.0
530.0
245.0
355.0
60.0
43.0
27.0
5.0
2.0
9.0

2) Profit Target by Segment (ROA)

	FY2002	FY2002
Return on Assets	3.4%	6%
Iron & Steel	4.0%	7 %
Aluminum & Copper	3.7%	5%
Machinery	0.9%	4%
Others	3.9%	4%

(reference)		
FY2003		
3.7%		
4.5%		
3.9%		
1.5%		
3.7%		

2) Profit Target by Segment

Iron & Steel

(billions of yen)	FY2002	FY2005
Sales	523.4	570.0
Ordinary income	20.5	50.0
Return on assets	4.0%	7 %

(Main menu)

- Steel products
- Castings & forgings
- **Titanium**
- ·Steel powder

·IPP

·Welding

2) Profit Target by Segment

Aluminum & Copper

(in billions of yen)	FY2002	FY2005
Sales	248.0	250.0
Ordinary income	3.8	8.0
Return on assets	3.7%	5 %

(Main menu) · Aluminum sheet · Copper sheet

- Aluminum extrusions
- ·Copper tube
- Aluminum castings & forgings

2) Profit Target by Segment

Machinery

(in billions of yen)	FY2002	FY2005
Sales	373.5	380.0
Ordinary income	1.0	12.0
Return on assets	0.9%	4%

(Main menu)

- ·Compressors, industrial machinery, crushers
- ·Construction machinery
- · Environmental solutions
- **•Engineering**

2) Profit Targets by Segment

Other Businesses

(in billions of yen)	FY2002	FY2005
Sales	59.8	50.0
Ordinary income	10.1	10.0
Return on assets	3.9%	4%

(Main menu)

- ·Real estate
- Target material
- Superconducting wires & magnets
- · Artificial hip joints

2) Profit Targets by Segment

Other Businesses

New materials based on comprehensive technologies

- Target material for LCDs (80% world share)
- ·Superconducting magnets (50% world share)
- ·Superconducting wires (40% world share)
- ·Artificial hip joints (one of Japan's 2 big makers)

3) Factors to Improve Pretax Ordinary Income

FY2002: 35.4 billion yen

FY2005: 80 billion yen (+45 billion yen)

Prices, product mix	7.0	Higher sales prices, shift to value-added products
Raw material costs	10.0	
Cost increases	10.0	Lifting of emergency measures
Cost decreases	40.0	Variable costs: 22 bln yen, fixed costs: 18 bln yen
Group companies	18.0	High profits from IPP, construction machinery & other group companies
Total	+45.0	

. Business Plan by Segment

Iron & Steel Segment

- 1. Business Targets
- 2. Steel Products
- -Business development utilizing Kobe Steel's strengths -

1. Business Targets

Business Strategy

- Steel products: As a distinctive, integrated steelmaker, Kobe Steel aims to be an "indispensable supplier" of value-added products to customers.
 - Kobe Steel plans to remain independent.
- ► Steel castings & forgings, titanium and steel powder: Maintain our position as a leading manufacturer.
- ► Welding: Maintain the No.1 domestic position and promote globalization.
- ► IPP: Start up No. 2 Power Plant in April, 2004, and maintain high profits from joint stable operation.

Financial targets

(billion JPY)	FY2002	FY2005
Sales	523.4	570.0
Ordinary income	20.5	50.0
ROA	4.0%	7.0%

2 . Steel Products

- Business development utilizing Kobe Steel's strengths -

(1) Advanced production system

(2) Distinctive, value-added products

Steel wire rods and bars

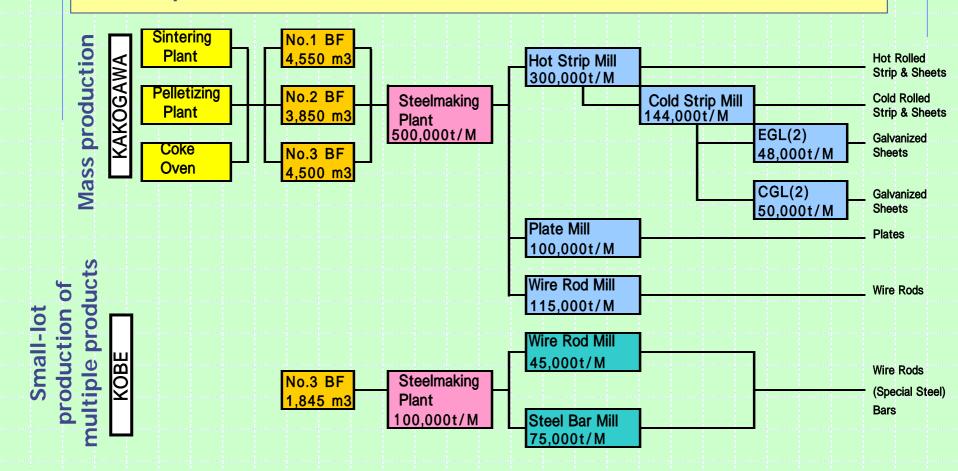
Steel sheets

Steel plates

(3) Global operations

Advanced production system

- Unified operations at 2 nearby steelworks
- Cost advantage in upstream processes
 (High pulverized coal injection rate, pelletizing plant, etc.)
- Power plant for 100% self-sufficient



Enhancing the competitiveness of our steelworks

- Production system features:
 - Efficient production system
 (Both works located nearby)

Changing demand

- Expanding export market, hollowing out of domestic market
- Growing demand for high performance steels



- Establish a solid sales platform
- Increase high-performance steels





Emphasis on principal customers

Expand value-added products

Further improvements in productivity

Effective investment focusing on:

- Hot metal treatment facility
- Improvements in rolling accuracy and temperature control

2. Steel Products

- Business development utilizing Kobe Steel's strengths -
- (1) Advanced production system
- (2) Distinctive, value-added products

Steel wire rods and bars

Steel sheets

Steel plates

(3) Global operations

Line-up of distinctive, value-added products

Products *in Italics* indicate high strength steels

Category	Market	Products In Italics Indicate High strength steels Products
Steel wire rods & bars	Automotive	· Spring steel
		· Bearing steel, Gear steel
		' Steel wire rods for cold heading & cold forging
Steel sheets	Automotive	· High strength steel
	Electrical equipment	· Special chemical treated steel sheets
		· Chromium free steel sheets
		· Heat releasing steel sheets (Kobehonetsu)
Steel plates	Shipbuilding	Residual stress controlled TMCP steel plates (Hizumiless)
Steel casting & forging	Shipbuilding, etc	· Built-up type, Solid type crankshaft
Titanium	Aircraft, etc.	· Titanium for aircraft
Steel powder	Automotive, Civil work	· Steel powder for connecting rods
		· Steel powder for soil treatment (Ecomel)
Welding	Automotive, Shipbuilding	· Flux cored wire for high heat input welding
		· Non-copper coated solid wire

2 . Steel Products

- Business development utilizing Kobe Steel's strengths -
- (1) Advanced production system
- (2) Distinctive, value-added products
 - **Steel wire rods and bars**

Steel sheets
Steel plates

(3) Global operations

< Steel wire rods & bars >

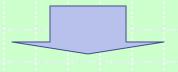
Automotive applications make up 50 % of Japanese demand for special wire rods and bars.

The auto industry is the largest user of special steels.

Kobe steel wire rods & bars

High share of 24 % in the domestic automotive market.

Wire rods - a dominant share of 50 %



Enhance position in the automotive market.

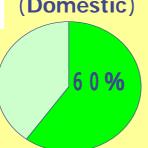
Establish a solid position as No. 1 in steel wire rods & bars.

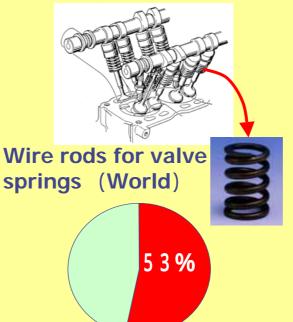
Market share of major products

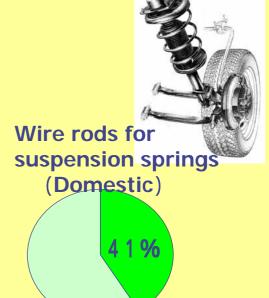
< Steel wire rods & bars >

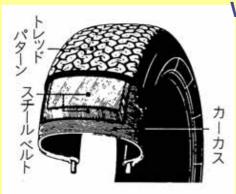


Steel wire rods for cold heading and cold forging (Domestic)





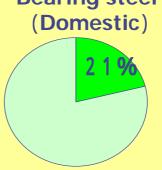




Wire rods for steel cords (Domestic)



Bearing steel (Domestic)





Advantages

< Steel wire rods & bars >

Capability to produce high-performance steels

- Extensive experience, and advanced production know-how
- State-of-the-art production facilities

Network of processors

- Nationwide network of processors
- · Close ties with competitive companies

Creating new products

- Joint research with automobile and parts manufacturers
- Rapid product development

[Capability to produce high-performance steels]

Extensive experience and advanced production know-how Kobe Works (No.7 wire rod mill)



Only at Kobe Steel

Capable of rolling at any temperature

Ultra heavy duty finishing block mill



Only at Kobe Steel
Enables free control
of temperature

ong water cooling zon



Only at Kobe Steel
Enables free control
of temperature

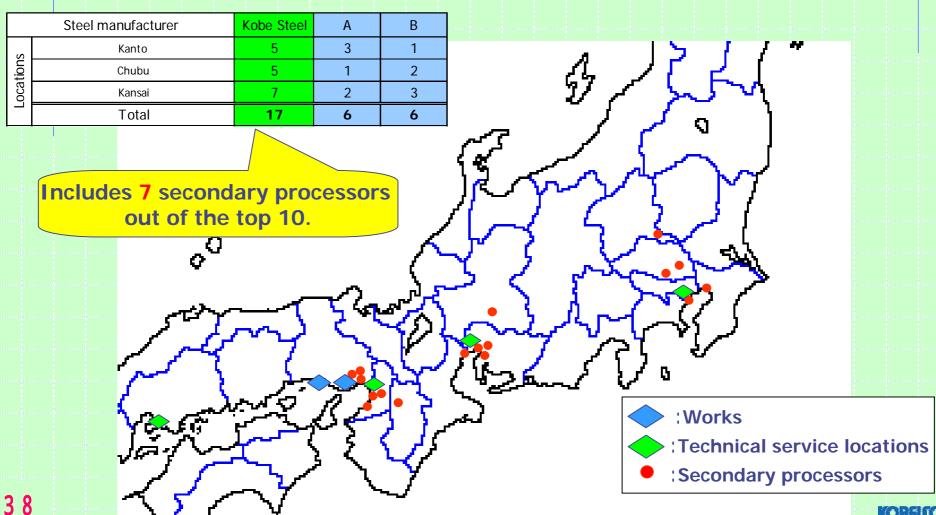
Loop conveyer with a ong slow-cooling cover

Capable of producing high-performance steel wire rods at the world's most advanced facility.

< Steel wire rods & bars >

[Network of Processors]

Collaboration with secondary processors Rapid market research Quick launching of new products into the market





Auto makers, parts manufacturers



Process technology support from Kobe Steel

R&D in Iron & Steel Segment



Kobe Corporate Research Laboratories ·Basic research



Joint R&D and application development in close cooperation with users

Be the first to create state-of-the-art products



(Rapid product development)

- Extensive information from users
- Accumulation of elemental technology
- · Quick evaluation using full-size testing line

2 . Steel Products

- Business development utilizing Kobe Steel's strengths -
- (1) Advanced production system
- (2) Distinctive, value-added products

Steel wire rods and bars

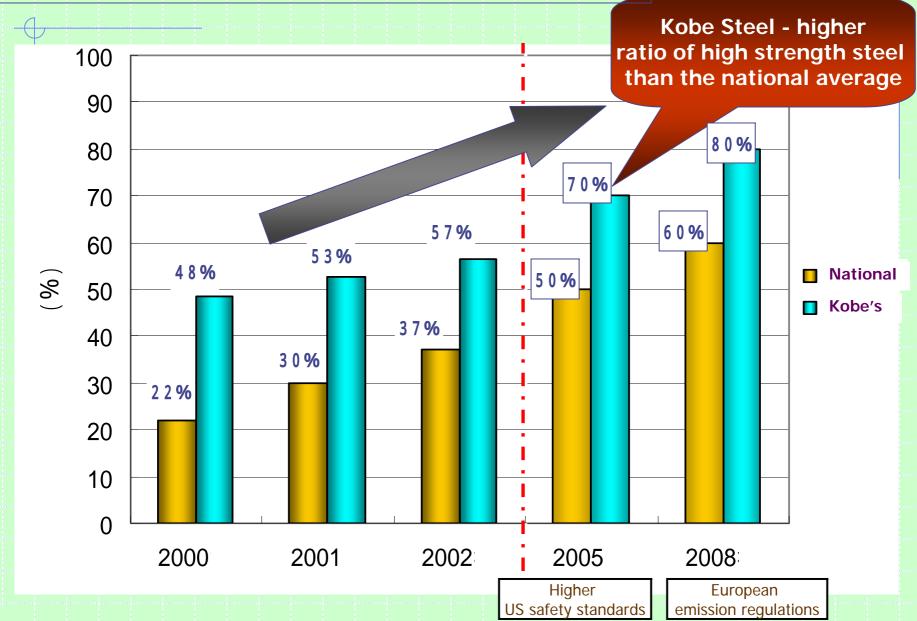
Steel sheets

Steel plates

(3) Global operations

Ratio of high strength steel in automobile steel sheets

< Steel sheets >





Advantages of our high strength steel sheets for automobile use

Accumulated technology in the special steel field

Lateral deployment of technologies

Production equipment for high strength steel sheets

Development & production of high-performance steels

Proposal development

Process technology Support to users

· Press forming · Welding

Verification of functional performance of parts

- · Fatigue strength evaluation
- · Crash analysis

(Simulation & actual testing)

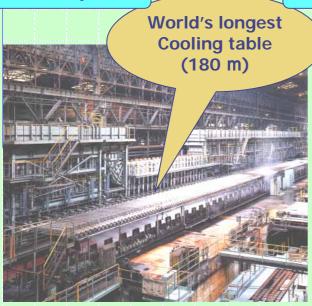
· Product design proposal

< Steel sheets >

Optimal production lines for high strength steels:

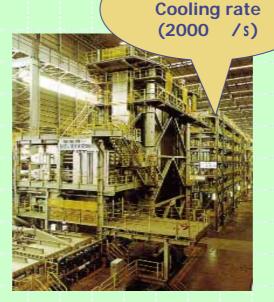
Application of production technology for steel wire rods & bars]

Hot strip mill



Laminar cooling facility

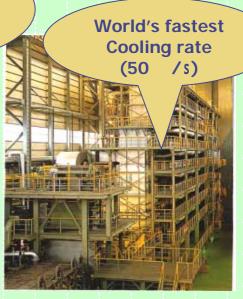
Cold strip mill



World's fastest

Continuous annealing line

Galvanizing lines

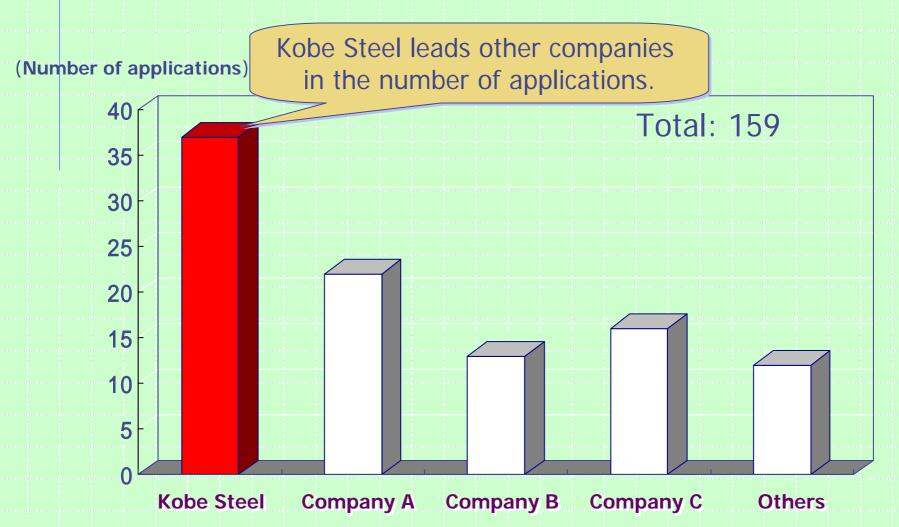


Hot dipped galvanizing line

< Unique production facilities with outstanding cooling capacities > High strength steel production based on microstructure control, with the world's top-level cooling rates and various cooling patterns

[Next-generation material development]

Patent applications related to ultra high strength steels



2. Steel Products

- Business development utilizing Kobe Steel's strengths -
- (1) Advanced production system
- (2) Distinctive, value-added products

Steel wire rods and bars

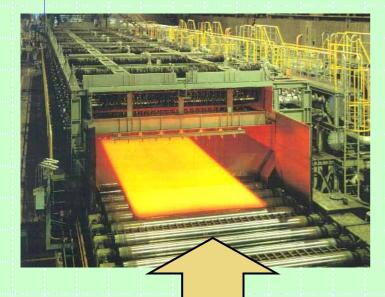
Steel sheets

Steel plates

(3) Global operations

Kobe Steel's strengths

<Top-level temperature control >



< Steel plates >

< World's largest multi-functional leveler >



Heating Rolling

Accelerated cooling

Temperature profile meter

Temperature profile meter

< Steel plates >

Residual stress controlled TMCP steel plates "Hizumi-less"

Innovative product first developed by Kobe Steel Increase ratio of Hizumi-less steel for shipbuilding, from 3% to 30%.

Significant decrease of bending/warping during processing.

Achieve improved productivity and lower costs.

Decrease reworking and number of processes.







Ratio of distinctive products (covering fiscal 2002 to 2005)

■ Channel resources (capital investments, R&D investments, personnel) into distinctive, value-added products.

Further strengthen competitive products:

<u>-118.016 61</u>	FY2002 30 %	FY2005 40 %
By product category		
Steel wire rods & l	bars 40%	5 0 %
Steel sheets	30%	4 0 %
Steel plates	20%	30%

2. Steel Products

- Business development utilizing Kobe Steel's strengths -
- (1) Advanced production system
- (2) Distinctive, value-added products

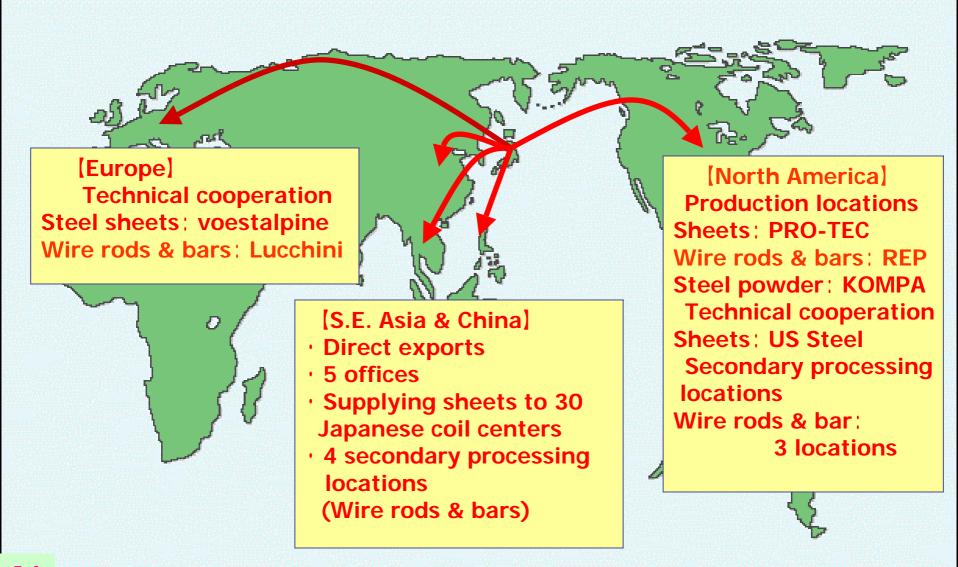
Steel wire rods and bars

Steel sheets

Steel plates

(3) Global operations

Global operations



Aluminum & Copper Segment

1. Business Environment

- Medium-Term Outlook
 - ► Sluggish demand due to mature market
 - ▶ But high growth in selected areas
- Areas of anticipated growth
 - ► Automotive aluminum materials

 Automotive lightweighting to further progress
 - Copper strip & aluminum plate, fabricated parts

 Growth in IT demand
 - ► Aluminum can stock for bottle cans Resealable and recyclable

2 . Business Strategy

(1) Further shift to distinctive, value-added products

► Focus on distinctive products for automotive and electronic applications – areas of expanding demand.

< Kobe Steel's position >

- Leading company for rolled aluminum products, aluminum castings & forgings, & rolled copper products
- 'Competitive in growth areas of automotive materials, electronic materials, and bottle can stock

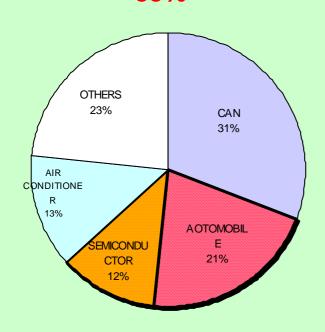
Line-up of distinctive, value-added products

Produc	t de la companya de	Comments	
Aluminum Sheets		Top maker (in quality & cost)	
	Bottle cans	Can stock market share: 35%, Bottle can market share: 80%	
	Automotive panel material	TOP share of panel market	
	Plate for semiconductor & LCD manufacturing equipment	30% share of plate market	
Aluminum Castings		Distinctive equipment & proprietary technology High value-added products	
& Forgings	Forgings for auto suspensions	90% share of auto suspension parts market	
	Chambers for semiconductor & LCD manufacturing equipment	Nearly 100% share of LCD chamber market	
	Castings for aircraft parts	1 of 4 companies approved by Boeing	
Copper Sheets		Specialized in IT materials (90% share)	
	For semiconductors	25% share of Asian market	
	For auto connectors & terminals	45% share of Asian market	
		 High share of leadframe market in Japan and Asia Processing centers in Asia 	

Ratio of Distinctive, Value-Added Products (FY2002-2005 Plan)

FY2002

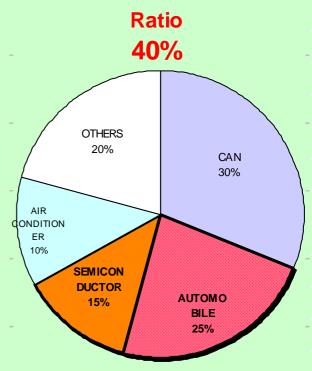
Auto & Semiconductor Ratio 33%





FY2005

Auto & Semiconductor



2 . Business Strategy

(2) Meet Global Needs

- ► Automotive aluminum:
 - Alliance with Alcoa in sheet products
 - Independent entry into the U.S. for aluminum forgings
- ▶ Copper sheet:
 - No. 1 share in Asia in semiconductor & automotive fields
 - Expand technical transfers to North America & Europe
 Maintain world and industry standards

2 . Business Strategy

(3) Future issues

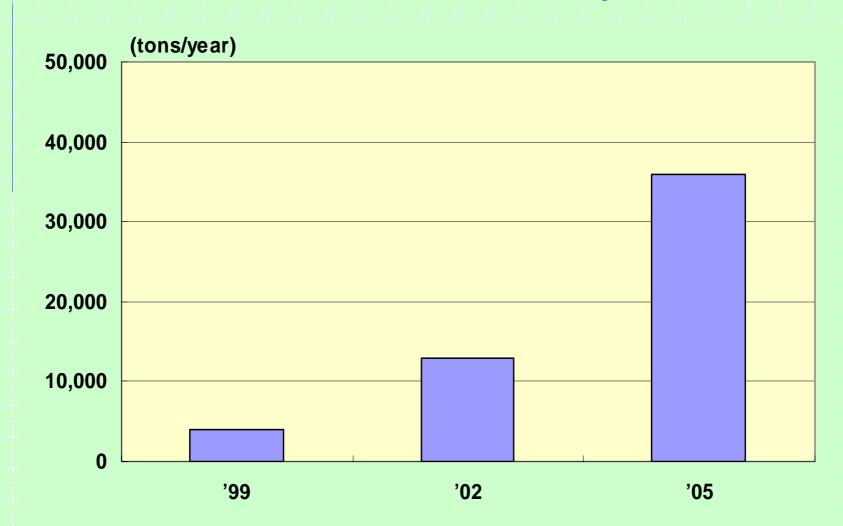
- ► Aluminum sheets (including foil): Low profitability in the industry
- ▶ Copper tubes:
 Increasing imports of air conditioners
 Decreasing domestic demand for copper tube

Need to respond beyond the framework of individual companies

Financial Targets

(in billions of yen)	FY2002	FY2005
Sales	248.0	250.0
Ordinary income	3.8	8.0
ROA	3.7%	5%

[Demand for automotive aluminum panels]



Competitive Edge in Automotive Aluminum

1) Broad range of products

- ► Aluminum sheets Panels
- ► Extrusions, Fabricated products ABS, subframe, bumper, door parts
- Castings & forgings Knuckle arms, other suspension parts
 Leading the industry in comprehensive proposal capabilities

2) R&D - from materials to fabrication

- ▶ Broad range of materials to meet user applications
- ▶ Processing: Only Kobe has a 1,000-ton test press for R&D
- Surface treatment, joining, vibration/sound analysis

3) Production equipment

- ► Forgings for suspensions: Only Kobe has integrated operation from melting and casting to forging. Competitive edge in costs.
- 4) Synergy with Iron & Steel segment
- 5) Meeting global needs

Supply Network for a Global Market

Europe

Technical transfer in copper sheet

China

- **■**Exports from Japan
- **■**Possible move to China

- **■**Exports from Japan
- ■Production & secondary processing locations
 - •Aluminum: 3
 - •Copper: 4

Asia-Oceania

North America

- ■Supply to automakers from Alcoa
- **■New forging plant**
- ■Technical transfer in copper sheet

Machinery Segment

1. Business Targets

■ Medium-Term Outlook

- 'Compressors, industrial machinery, crushers: decrease in public works; increase in energy areas
- 'Construction machinery: weak domestic demand; sharp rise in Asia (China)
- Environmental business: Expand business in line with shift to recycling society

Business Strategy (Strengthen core business)

- Compressors, industrial machinery, crushers: R&D, cost reductions, business reforms to improve profitability.
- ' Construction Machinery: Strengthen global markets, centered on China; expand the stock business
- ' Environmental solutions: Improve competitiveness of current menu; add new menus
- ' Plant engineering: Focus on iron making menu

Financial Targets

(in billions of yen)	FY2002	FY2005
Sales	373.5	380.0
Ordinary Income	1.0	12.0
ROA	0.9%	4%

1) Rotating Machinery and Compressors • Industrial Machinery • Crushing Equipment

Strengthen profitability, performance and business foundation through R&D, cost reduction & restructuring

Line up of distinctive products

Pro	ducts	Market Share	Main Users
Rotating Machinery and Compressors	•Standard Air Compressor •Screw Compressor •Centrifugal Compressor •Reciprocating Compressor	 •25% share of Japanese market, No. 1 •30% share of world market, No. 1 •5% share of world market, No. 6 •5% share of world market, No. 6 	General industry Petrochemicals
Industrial Machinery	•Tire & Rubber Machinery •Plastic Mixing & Pelletizing Systems •Isostatic Pressing Equipment •Vapor Deposition Systems	 •50% share of world market, No. 1 •40% share of world market, No. 1 •80% share of Japanese market, No. 1 •60% share of Japanese cutting tool market, No. 1 	Tire & rubbers industry Petrochemicals Petrochemicals Ceramics, Metals Tools, Automobiles
Crushing Equip	ment	·30% share of market, No. 1	Quarries, dams, cement plants

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1) Rotating Machinery and Compressors •Industrial Machinery • Crushing Equipment

Standard Air Compressors Kobelion

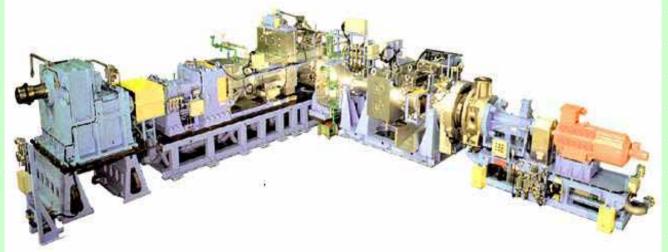


1) Rotating Machinery and Compressors • Industrial Machinery • Crushing Equipment

Plastics Processing Machinery Key technology for plastics industry

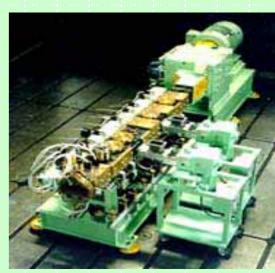


Pelletizing System



No. 1 in the World

Screw Extruder



1) Rotating Machinery and Compressors
Industrial Machinery Crushing Equipment

Merging the crusher business with Kawasaki Heavy Industries, Ltd

- Name of Joint Venture: Earth Technica Co.,Ltd.
- Equity Share: Kobe Steel 50%, Kawasaki Heavy Industries 50%
- Schedule:
 - July 2003 Formation of joint venture for marketing& design
 - ·2nd half 2004 Shift manufacturing to the joint venture
- Future sales targets: 30 billion yen/year

2) Construction Machinery

Strengthen global markets centered on China, Improve the stock business

Kobelco's hydraulic excavators cover major world markets **Technical transfers** Technical transfers: Hydraulic excavators Hydraulic excavators Mini excavators Mini excavators **Kobelco America** Fiat Kobelco **Case North America New Holland Europe** 0 & K **New Holland North America** KCME CKCM **CASE LBX Case Europe** New products: New products: Wheel loaders, backhoe loaders, Backhoe loaders, bulldozers, others bulldozers, others **COBELLO** Case Shanghai/Singapore **Case Latin America** FiatAllis Latin America **New Holland Australia Case Australia**

Kobelco's sphere of business

3) Environmental business

Build a stable profit base by improving competitiveness of current products & adding new menus

Combining Kobe steel's environmental business into Shinko Pantec

- Name of New Company: Kobelco Eco-Solutions Co., Ltd.
- Date of consolidation: October 1, 2003
- Sales target: 100 billion yen
- Strategic business areas:
 - Water supply & sewage system, leachate treatment, pure and ultrapure water generation, industrial and wastewater treatment
 - Waste treatment (municipal solid waste incineration, recycling)
 - New business (soil decontamination, PCB treatment, biomass utilization, other new business)



4) Plant Engineering Focus on ironmaking menus

Rising demand for direct reduction processes

Integrated steelmaking versus direct reduction

- · Capital investments for blast furnaces are relatively high.
- ·Integrated steelmaking: Harder to gain energy savings & meet environmental regulations
- Direct reduction plants provide smaller steelmakers with increased and new capacity.

Direct reduction: complementing blast furnace operation

Expanding Applications of Direct Reduction

Supplement for electric furnaces

Growing demand for iron units

Resource recycling

Reusing steel mill dust

- · Increasing share of electric steelmaking
- ·Higher need for clean iron units

- ·Rising investment efficiency for waste recycling
- ·Chance to enter waste treatment business

4) Plant Engineering

ITmk3[®] Process Features

- High quality iron nuggets of the same quality as blast pig iron can be produced in a one-stage process.
- Reduction, melting and slag removal takes about 10 minutes.
- As coke ovens and sintering plants are unnecessary, capital investment costs and carbon dioxide emission are relatively low.
- Raw material flexibility ITmk3® Process can use various grade iron ore fines and coal.

. Group Vision and Corporate Governance

Group Vision

We aim to contribute to society through materials, IPP and machinery, while working to gain a high regard for our products, services and technologies from our customers.

Corporate governance of the Kobe Steel Group

- ► Review the management structure
- ► Enforce compliance
- Carry out environmental management

Employee roles & merit-based compensation

- ► Implement compensation system based on job function & performance
- ► Promote recruiting by flexibly linking qualifications & job functions

■ Effective group management

► Improve the cash management system