emily_huai@hanbell.cn
ir@hanbell.cn

021-51365368

1. “ ”
2. 265
3. “ ”
4.
5. 50%
6. 1700
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10. 650
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29. IMS 4GW

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31. LED

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14. SKF GBC

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16. —Fossa FO 0015 A

17. Edwards

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2015

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85% 70%

70% 30%

2015 80%

15%

“ ”

4300 2010 1.25 /

77.5% COD “ ”

COD 70%

“ ” 2015

90% 70%

58 /

http://news.ehvacr.com/news/2012/0510/78339.html

2 265

5 16

265

22 LED 60 1.6

16

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” 4 1.56 14.1%

10.7% 3.0 1.1

2% 8.34%

7.6% 0.65% 0.3%

14.61% 7.37%

“ ”

265 2000 ~2500

60 1.6

3000 60

200

http://news.ehvacr.com/news/2012/0517/78526.html

3 “ ”

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20%~30% 1000

60 25

400 1000

8

“ ”

http://news.ehvacr.com/news/2012/0516/78485.html

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2020 35 1050

2020 45

690

4

“

”

http://news.ehvacr.com/news/2012/0530/78805.html T

5 50%

2011

2011

69079 2010 2100 51.27%

50% 2011

50%

80%

http://news.ehvacr.com/news/2012/0522/78584.html

6 1700

5 24 979

251

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24 “ ”

“ ”

http://news.ehvacr.com/news/2012/0529/78764.html

7

2011

1.15 52

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11 4 26.55 61.86

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http://news.ehvacr.com/news/2012/0613/79099.html

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http://news.ehvacr.com/news/2012/0613/79096.html

9 5

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30% “ ”

7%—11% 15%—20% 15%—20% 20%—25%

3000 1

2012

18

11

http://news.ehvacr.com/news/2012/0530/78787.html

10 650

650

http://news.ehvacr.com/news/2012/0605/78909.html

11

“ ” 2015

5% 15%

23% 20% 30% 36% 15% 30% 40%

30% 50% 65% 20%~30% 12% 15% 15%

8% 10% 500

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http://news.ehvacr.com/news/2012/0524/78644.html

12

R22 6 11000-12000 ／

10800-11500 ／ 200-500 ／ 10500-11000 ／

PTFE 6.5

10 R22

2012 R22

2011

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http://news.ehvacr.com/news/2012/0627/79433.html

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YORK COPELAND BITZER

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2006 2010

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45

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http://www.qqzl.cc/news/show-70122.html

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800% 50% 650%

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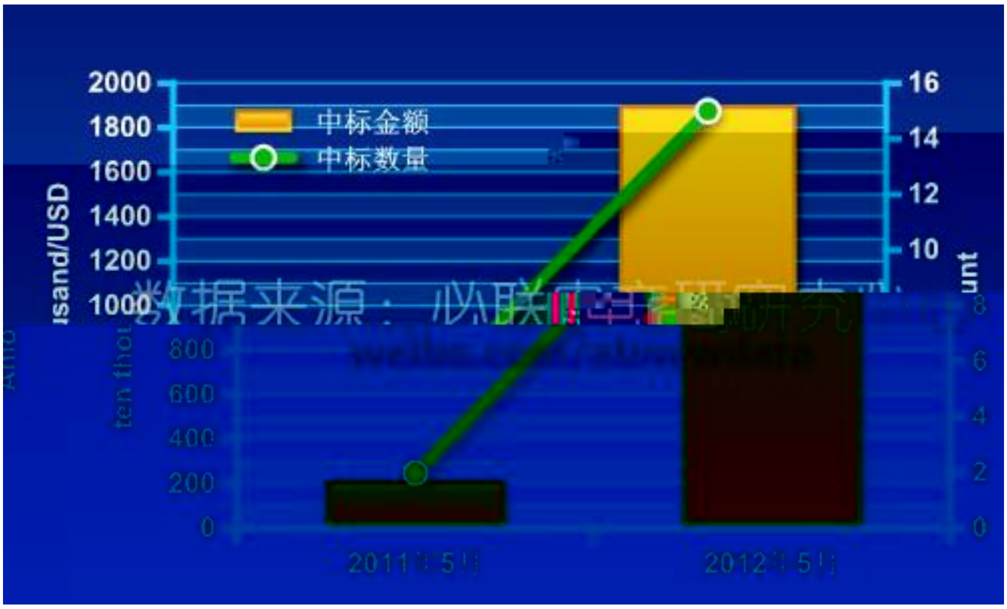
2000
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中标金额
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5000
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3500
3000
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2000
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ten thousand/USD
30
25
20
15
10
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0
Amount
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中标数量
数据来源：必联电商研究中心
weibo.com/ebnewdata
2012年5月

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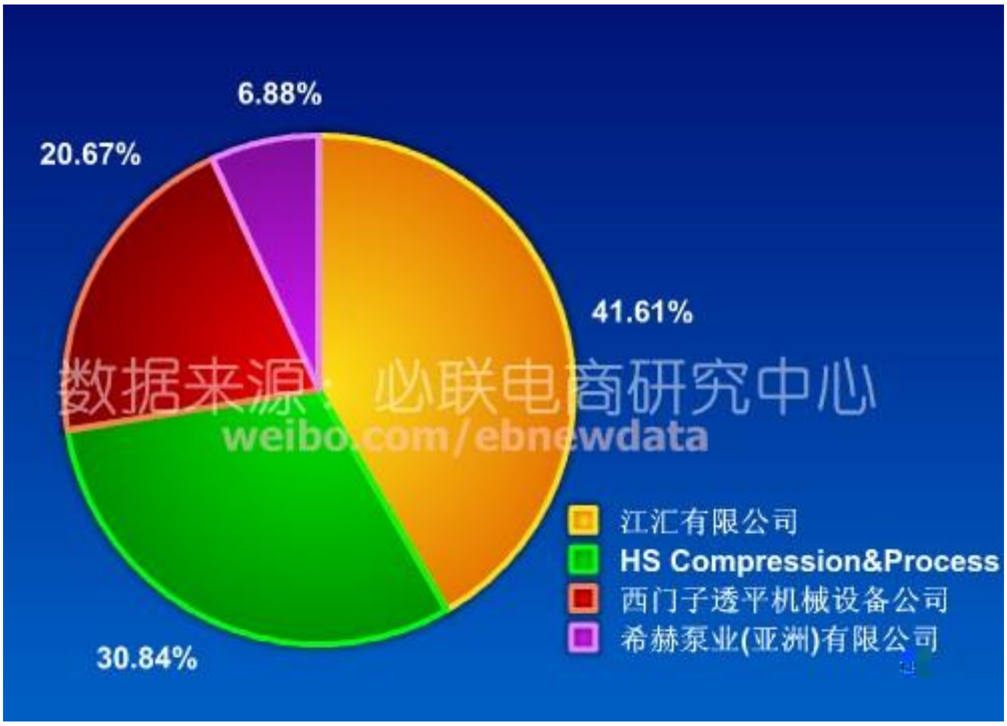

http://51.kongyaji.cn/news/2012/0703/article_13900382.html

16 ——

2012

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http://51.kongyaji.cn/news/2012/0611/article_13899763.html

17 4 9.3%

5 11 4

9.3% 2.6

4 0.35% 1 4

11.0%

4 41 40

13.7% 8.9% 10.5%

11.4% 2.7%

4 8.2% 10.6%

11.8%

4 98.1% 0.5

http://51.kongyaji.cn/news/2012/0516/article_13899375.html

18

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http://51.kongyaji.cn/news/2012/0511/article_13899324.html

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http://51.kongyaji.cn/news/2012/0504/article_13899237.html

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9 452 12.7%

2009

http://www.cnsb.cn/html/news/787/show_787742.html

21

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22.6%

“ ”

PM2.5

PM2.5

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47%

5% 42% 5%-10%

11%

http://www.cnsb.cn/html/news/787/show_787601.html

22

6 PMI 48.1

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15

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6 (PMI) 44.8 36

44.9 45.1 6

http://www.cnsb.cn/html/news/786/show_786313.html

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2012 7 1

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The German Machine Tool Builders' Association VDW

Wilfried Sch fer

2012

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2 2012 METAV

2 9 10 4

95.1 2 6.82 6.4

“ 2012 ”

Sch fer 5

http://www.cnsb.cn/html/news/783/show_783116.html

24

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http://news.ehvacr.com/news/2012/0524/78630.html

25

(gdp)

(apple) iphone5 ipadmini

(microsoft) window8 woa (windowsonarm) (intel)

ultrabook (samsung) (lg) 55 oled3dtv

(nb)

; (dram) (led)

3d

http://www.cnsb.cn/html/news/783/show_783106.html

26

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11.6 2011 65.35%

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11 “ ”

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31 580 2011 3

461 1.14

461

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11 3

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400 1.08%

2010

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IPO

2008

7 2010 12 580

2008 80 2009 200 2010 300

2008 2009

11% 83% 2010

400 “ ”

“ ” 2011

60 87.7% “

” “ ”

“ ” 2011

1.47

10.53

2011 11.93

“ ”

3-5

http://www.cnsb.cn/html/news/786/show_786886.html

27 17

2010

6

2006 2010

2010 2011

45

60 17

http://www.qqzl.cc/news/show-70145.html

28

http://www.semipv.com/a/news/cydt/17713.html

29 IMS 4GW

IMS Research 2012 5 7GW 2012

4GW

NDRC

2015

15GW 21GW

IMS Research

2011 2011 2GW

5 7GW

IMS Research “

2012 2015 2012

”

“ ” IMS Research

13% IMS Research Golden Sun

Program 2012 1GW

850MW

Frank Xie “2012

1.7GW ”

“ 200

”

IMS Research 2012

36.2GW 30.6GW

IMS Research “

2012

2011 2012 11%

2012 ”

International Energy Agency 2017

2017

32GW

2017 2011 303GW

574GW “ ” “

”

pv magazine

“

”

http://www.semipv.com/a/news/cydt/17705.html

30

SEMI China

1.

IDM FABLESS

2011 326

2.5 2011 815

27% WSTS 2011

3023

2011

2011排名	公司	类型	区域	2010销售额($M)	2011销售额($M)	年增(%
1	台积电	纯代工	中国台湾	13,307	14,500	10
2	联[illegible]	纯代工	中国台湾	3,965	3,760	-5
3	GlobalFoundries	纯代工	美国	[illegible]	3,580	[illegible]
4	三星	IDM	韩国	1,205	1,975	[illegible]
5	中芯国际	纯代工	中国大陆	1,555	1,320	-
6	TowerJazz	纯代工	以色列	509	610	[illegible]
7	华虹-宏力*	纯代工	中国大陆	—	600	[illegible]
8	Vanguard	纯代工	中国台湾	508	519	[illegible]
9	Dongbu	纯代工	韩国	475	500	[illegible]
10	IBM	IDM	美国	430	445	[illegible]

半导体制造

SEMI China IC insights

Chartered SMIC

TSMC 12

2008 AMD

GlobalFoundries

2011

20

22

FPGA

2.

2012 131

GlobalFoundries

公司	2010年（$M）	2011年（$M）	2012年（$M）
三星（Samsung）	10,948	11,755	13,100
英特尔（Intel）	5,207	13,100	12,500
台积电（TSMC）	5,956	7,286	6,000
GlobalFoundries	2,750	5,400	3,100

SEMI China IC insights

3.

NEC DRAM

8

2011 CAPEX 7.65 2012 4.3

IC insights 2016

2007 13.3% 6.6%

> Ę

13

8 2011

6 TowerJazz

MEMS

http://www.semi.org.cn/marketinfor/report_show.aspx?ID=1439&classid=28

31 LED

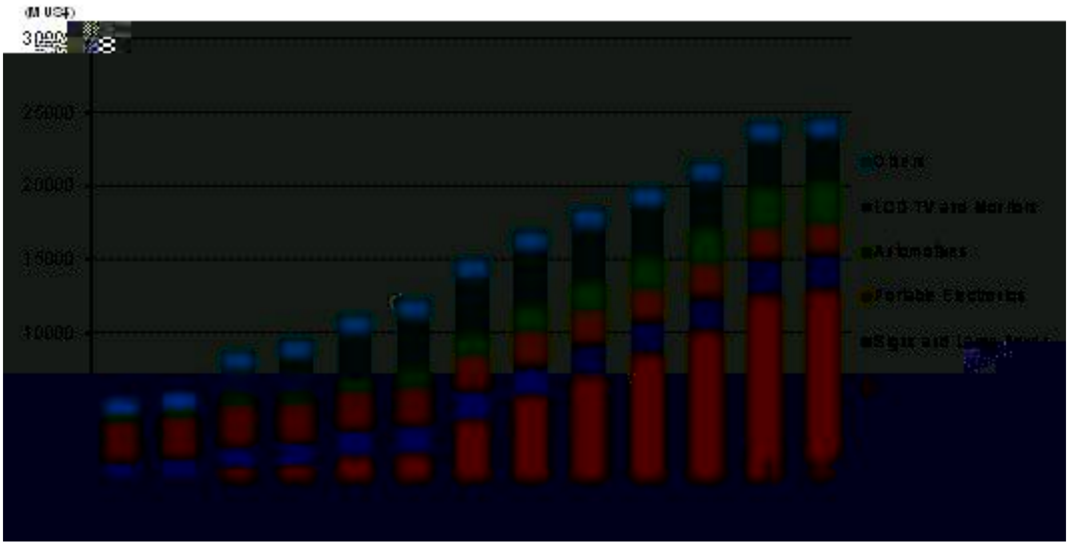
2010 “ “ 2011 LED LED

LED

LED 2010

2011 LED 5%

Figure1: Global LED Manufacturing Industry Revenue (By Package)



Source: SEMI China, 2012

2011 LED MOCVD

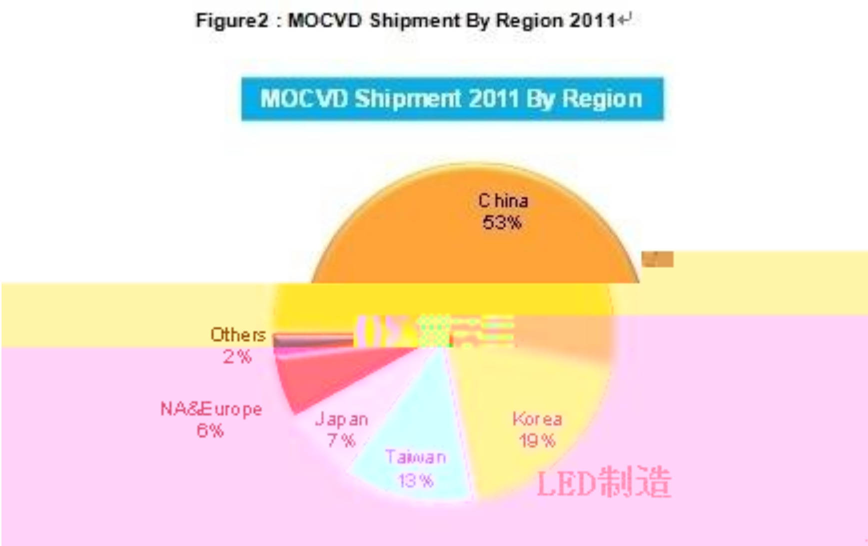
2011 MOCVD MOCVD

5 SEMI “China LED Fab Industry Report” 2010

2012 LED 300% 130

2

Figure2 : MOCVD Shipment By Region 2011



Source : SEMI China ,2012

2010 “ LED ”

2011 2011 LED

LED

LED

MOCVD 20% LED 2011

2011

30-40% LED

LED

LED

LED LED

LED

PSS “ ”

2010 LED

2 2009 Q4 8

2010 Q4 35

Figure3 : 2 inch Sapphire Substrate Price Trend

Source :SEMI China

LED LED

2011 20

LED 2011

2 35 8

LED

PSS Patterned Sapphire Substrate LED

LED

PSS

“ ”

LED SEMI

LED LED

LED

3

SEMI LED SEMI LED

SEMI LED SEMICON China LED LED -LED China

LED LED

LED LED LED SEMICON China LED

LED 2012

SEMICON China 2012 LED LED

15 LED LED China

2012 LED LED LED ,

8 LED QD Vision LED

CREE LED LED

China LED LED

http://www.semi.org.cn/marketinfor/report_show.aspx?ID=1438&classid=28

32

PC ( ) 2.7 1

( ) 2000 2012

7000 50% IT

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PC 2.7 1

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31% 33% 17% 47

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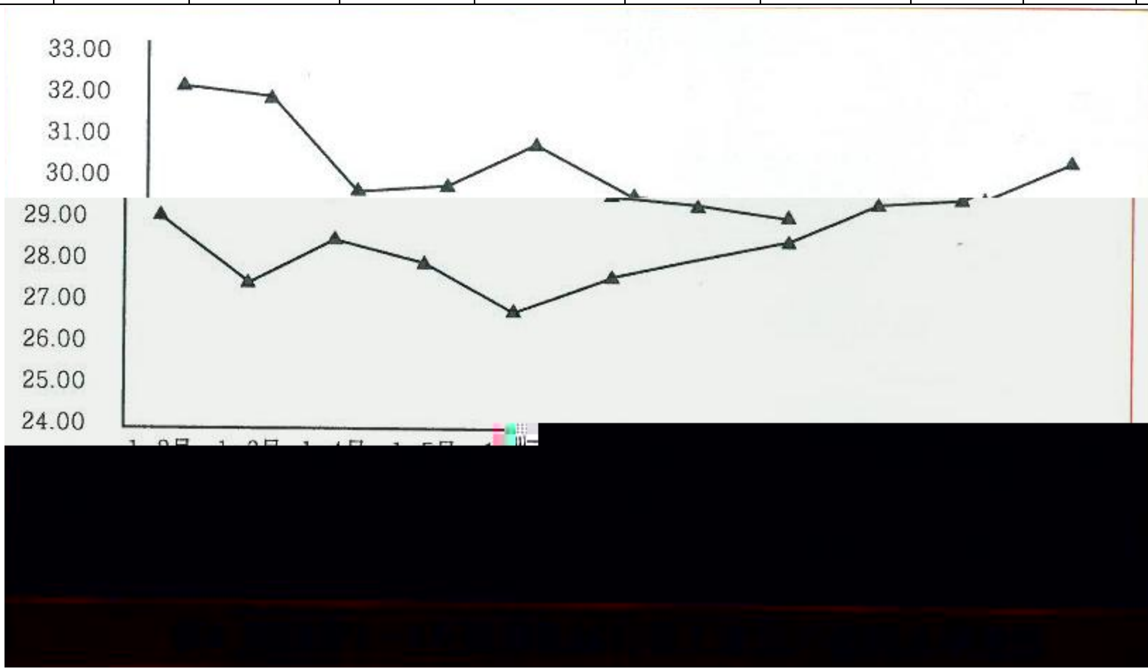

12.9%

LNG 7 8

5.02

11%

1-9 623.96

19.3% 10.51

2009 2010

1-9 62 119.60

18.12% 126.04 21.85% 6.44

4.25

6

46% 14% 25% 3

1-8 302.51 29.74% 3.06

12.6 128.4% 0.4

54.6% 7.3% 4 5

120

1 1-9

120 604.31 20.57%

561.5 23.29% 440.46 26.81% 39.81%

15.35%

2 23.97% 54%

12% 50% 20%

20%

3 10 120

13 10% 40%

4 1-9

85 14.5% 129 29%

47 60% 136 55.5%

44 24% 87 37%

1

2

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6-8

5

2012 6

2.

2011

2009-2010

2009 -2010

2003

2003-2007

17.9% 2007 400 20

1

2

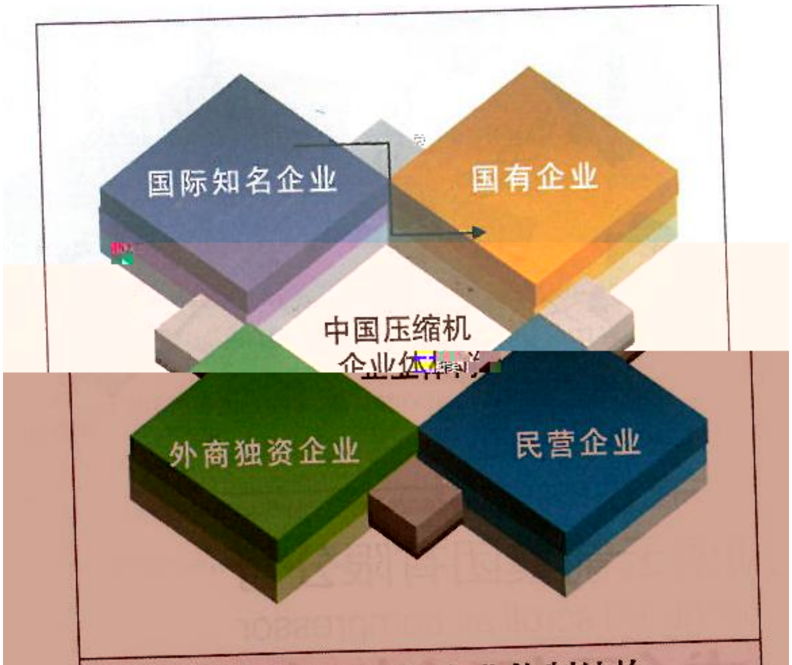

图2 中国压缩机企业体制结构

“ ”

2009-2010

2009 7200 1000

9000

2004

3

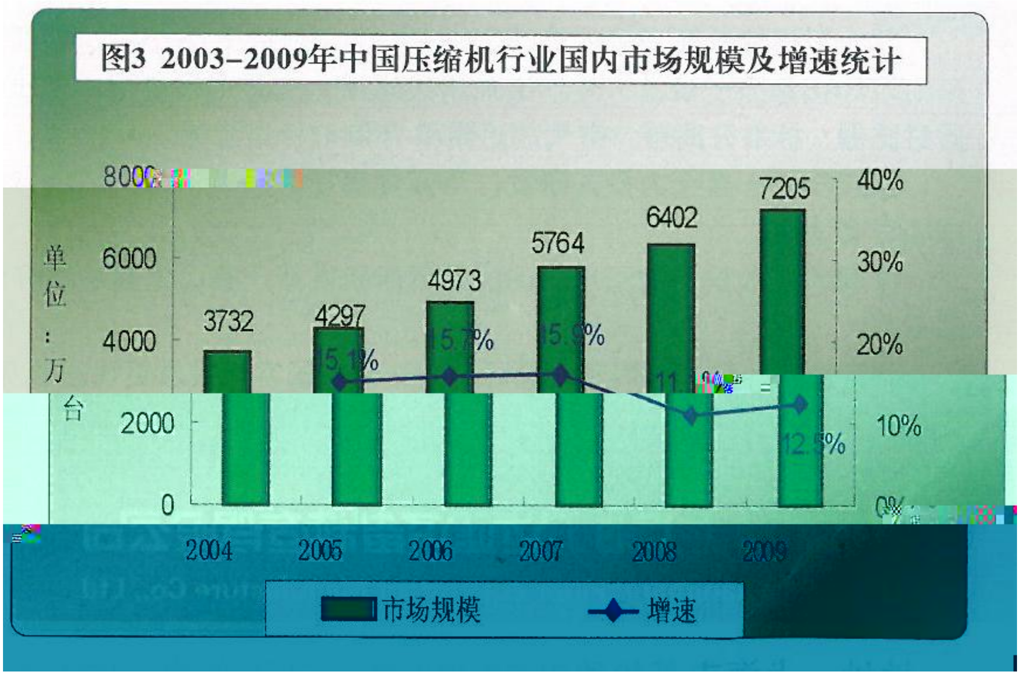

图3 2003-2009年中国压缩机行业国内市场规模及增速统计

1

表1 中国压缩机

以科龙总部、美的总部（含中国雪柜）、中山奥玛等企业

81.8%

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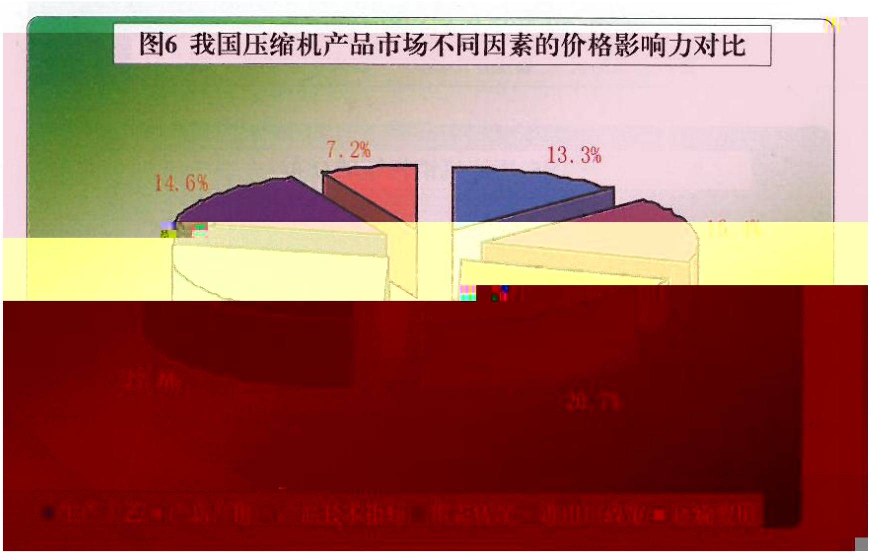

6

20% 27.8% 20.7%

16.4% 14.6% 13.3% 10%

2012 6

3. JRAN

1

85%

Frascold

Vilter Emerson

2011 138000 44000 3300

3000 43000

500HP

2

2/3

Frascold

R22 R134a R407C

R410a

3

1/3

-20 20 -20

-30

2011

Mayekawa

10 30

Mayekawa Kobelco

2012

2011

Kobelco Sabroe Mayekawa Vilter GEA

Kobelco Mayekawa 3

3 3

R134a

R404A

4

A

4

OSK/OSN CSH

CSH.3

CS.65 CS.75 CS.85 CS.95 2011

B

RC2 25 500USRT 26

R22,R407C,R134a R410A 50/60HZ 98/118 1523/1832m3/h

C

2011 R22 R404A R507C

20%

80

D

15 2008 R134a

40hp 300hp 134-S(R)

E Frascold

Frascold 4

5

CX CXIT

70 160hp

F

R404A

G

R134a R404C 3 MSC

MSC 400 MSC

2010 1

H

3 Cecchina

2011 EWAD-CZ ESEER

6 EWAD-CZ

I

J Kobelco

Kobelco “ iZ ”

“ iZ ” R404A

iZ 50%

35%

K Mayekawa

2011 Mayekawa

2010 Mayekawa 40

100 10

600 200

L Vilter

2009 6 Emerson Climate Technologies Vilter Emerson

Vilter VSM

27 290 VSS

-6.7 +35 303 757

M GAE Grasso

GAE Grasso 3 22

GAE Grasso

2010 Chillventa

ACR CO2

（ ）

2011 16.9

1 1 2011

16.9 2010 13.8 22.5% 2009

61%

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2015 35.1

2015 35.1

20%

2011 218

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· (Atlas Copco) “ ”

OLED OLED “ ”

2012 OLED

2012 OLED 5700 180

OLED 90% LGD OLED

LCD AMOLED

OLED AMOLED

OLED

NPDDisplaySearch OLED 2011

2011 OLED 40 4%

2018 200 16%

OLED AMOLED

2012 OLED

LED 3D

3D 2012

OLED

CES 55 OLED LG 55

OLED OLED “ ”

2012 OLED

2012 OLED 5700 180

OLED 90% LGD OLED

LCD AMOLED

OLED AMOLED

OLED

NPDDisplaySearch OLED 2011

2011 OLED 40 4%

2018 200 16%

2012 OLED

OLED

OLED PMOLED AMOLED

2011-2015 PMOLED AMOLED

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OLED AMOLED

SMD AMOLED

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OLED UDC

OLED OLED

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OLED

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AMOLED

AMOLED OLED

AMOLED

AMOLED AMOLED

AMOLED

TFT-LCD TFT-LCD 90%

Displaybank OLED

2015 18% 6.6% TV 1.8%

AMOLED AMOLED

AMOLED 30% 90% AMOLED

AMOLED

AMOLED LTPS-TFT LTPS AMOLED

AMOLED TFT-LCD

2.5~3 AMOLED TFT-LCD

AMOLED

http://www.fpdisplay.com/news/info/content-145678-3.aspx

6.

2011

1.5

450 140 60

10%

LCD 60%

47%

2011

1 2%

1-2

PET

30% 50% 3M 20% 40%

http://www.fpdisplay.com/news/2012-05/info-145872-324.htm

7. 2012

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18.7%; 46.6 “ ”

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iMac iPad iPhone

(BTOC)

(BTOB) 2012

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http://www.fpdisplay.com/news/info/content-147246-3.aspx

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2012 6 15

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51% 85% 2009 2001

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http://news.ehvacr.com/company/2012/0618/79246.html

2. KSB

ACHEMA Movitec VCI

Movitec VCI

27 250 -20 +120

732 /

Movitec VCI

IE2 IE3

Movitec VCI

http://news.ehvacr.com/company/2012/0628/79467.html

3.

2011

15.7%

3.02

40% 10%

2011

3-5

200KW

250KW 220KW 250KW

20 300 30

18

5

5

25 40bar

1000

2009 2010

2011

8%-20%

2010

53 2008 2010 15%

.

5 90%

2013

20KW GE

100KW 120 1250KW

1500 50%

2012-2014 2.54 3.18 4.12

2012 PE 25.7 PB 2.9 “ ”

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http://money.163.com/12/0625/09/84R7DPAD00251LK0.html

4. 16 IPO

5 24 IPO 5

9 IPO

7 IPO

http://news.xinmin.cn/rollnews/2012/05/28/14916123.html

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(Nelson Peltz) Trian Fund Management LP

(Ingersoll-Rand)(NYSE:IR) 7.3%

(SEC) “( )

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CapitalIQ Trian Fund 2190

42.27 Trian Fund 9.26

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http://finance.sina.com.cn/stock/usstock/c/20120509/210112030629.shtml

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170 2011 ·

37,500 810 (90)

http://info.cm.hc360.com/2012/04/161540428741.shtml

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2012 5 30 ——

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2011 1.3

270

Uwe Glock “

” Uwe Glock “

” ,

http://news.ehvacr.com/company/2012/0606/78950.html

8.

5 23 2012

2010

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“ ” 16%

8% 10% 25%

65% “ ”

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2010 “

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2008

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300

95%

30% 75% 2009 2011

200 260 10

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http://news.ehvacr.com/company/2012/0524/78650.html

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8% 2011 6

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http://news.ehvacr.com/company/2012/0523/78618.html

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http://news.ehvacr.com/company/2012/0516/78496.html

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http://www.compressor.cn/News/qyzc/2012/0508/62933.html

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2012

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" 211 " 2012

2012

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http://www.compressor.cn/News/qyzc/2012/0502/62781.html

13.

VZH R410 2010 1 VSH

ARI

26TR(46TR) VZH

VZH

( ) ( )

http://www.compressor.cn/News/qyzc/2012/0418/62631.html

14. SKF GBC

(SKF) 1.25

(GBC)

(Tom Johnstone) "

(GBC) General Hyatt David Gussack

"

2008 (PEER)

http://www.compressor.cn/News/qyzc/2012/0413/62593.html

15.

IP55

100%

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http://www.compressor.cn/News/qyzc/2012/0411/62572.html

16. —Fossa FO 0015 A

2011 11 Busch —FossaFO0015A

Fossa loadlock Transfer Chamber

Fossa

Fossa

Busch Fossa

Fossa

Fossa

Fossa 2.5x10-2mbar 15m3/h

http://www.zkjsysb.ibicn.com/news/d573160.html Top

17. Edwards

(2012 4 12)

Edwards

nXDS

nXDS

Edwards nXDS

nXDS

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10

nXDS USB

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nXDS

52dB(A) 20

nXDS 66% 100%

Edwards IanOlsen “

nXDS EdwardsXDS

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nXDS6i nXDS10i nXDS15i

nXDS20i 6m3hr-1 20m3hr-1

10i 15i 10-2mbar

nXDS

http://www.zkjsysb.ibicn.com/news/d491966.html

1.

2012-05-09

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“ ” (000529,) 000529.SZ

5246.19 55.47%

002158.SZ 26.2% 60%

25 35000

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880

19% 85%

2011 15%~20% 20%

“ " " ”

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1/4 1/3 750

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70% 80% “ ”

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“ ” 000529.SZ

5246.19 55.47%

002158.SZ 2008-2010 26.2%

60%

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880

19% 85%

2011 15% 20% 20%

“ " " ”

15% 5%

1/4 1/3 750

70% 80% “ ”

27 70

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http://stock.sohu.com/20120528/n344206243.shtml

5.

2012-05-30

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[31.71 -1.18%] [13.23 -0.08%]

(2)

[15.30 0.72%] [18.15 7.21%

] [3.67 -0.81%] [15.07 -0.86%

] [11.03 -0.99%] [9.59 1.27%]

[11.37 0.89%] [16.20 -0.37%]

[24.70 0.41%]

(3)

[16.92 2.67%]

[19.70 -0.05%] [15.68 1.29%]

http://finance.ifeng.com/stock/hybg/20120530/6539395.shtml

6. : ( )

2012-05-02

1. , 1.50 , 12%; 1678 ,

37 %; 0.08 0.947 / ,

18;ROE 2.2%, 1.74 ROE 2.04%

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40-50%

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2012-2014 EPS 0.70 0.82 1.0 ，PE 18 15 13

http://finance.qq.com/a/20120502/006985.htm

7. ： ，

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http://finance.qq.com/a/20120613/007132.htm

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50%,

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http://info.hvacr.hc360.com/2012/06/140923446293.shtml

9.

2012-06-20

2011-2015

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600806

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002248

002270

300024

601369

80%

11 HAVC

100%

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http://roll.sohu.com/20120620/n346089090.shtml

10.

2012-06-30

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http://info.hvacr.hc360.com/2012/06/300909448301-2.shtml

11.

2012-06-19

— 5:6