

WELCOME

ANALYSTS' TRIP

MEASURING AND PROCESS SYSTEMS

Schenck Shanghai Machinery Co., Ltd Peter Legner, CEO & President

Shanghai, October 8, 2012





4 Strong Brands "under one roof"





Cleaning and Filtration



MPS: BUSINESS GROWTH IN CHINA

| | 2005 | 2012 (e) | CAGR in % |
|--------------------------|------|----------|-----------|
| Incoming orders (in € m) | 25 | 135 | 27 |
| Order backlog (in € m) | 21 | 106 | 26 |
| Sales revenues (in € m) | 16 | 130 | 35 |
| Employees | 136 | 540 | 22 |

SCHENCK IN CHINA









Manufacturing in China



1st Asian sales meeting



1st fully automatic balancing machine



1st cleaning system Jeto 84W



10th anniversary of SSM



Integration of Agramkow, 1st Order

Foundation New

Plant Baoshan

1953

1991

2002

2005

2007

2009

2011

1986

1999

2004

2006

2008

2010

2012

Representative office opens in Beijing



Foundation of SSM



Visit of Federal **President Rau**



Foundation of Dürr **Ecoclean China**



1st wheel test stand "Xwheel"



1st filling system "Compstart"





CUSTOMERS (besides Automotive OEMs)

















西安陕鼓动力股份有限公司 XI'AN SHAANGU POWER CO., LTD.























































... to name a few





MPS LOCATIONS IN CHINA

DÜRR

Three locations in Shanghai





Balancing

- >>> Floor area: approx. 7,900 m²
- Workshop, showroom, warehouse: approx. 3,500 m²
- >> Office, canteen etc.: approx. 1,800 m²

Cleaning

- >>> Floor area: approx. 4,400 m²
- Workshop, showroom, warehouse: approx. 3,650 m²
- Office, canteen etc.: approx. 1,865 m²

Assembly Products & Filling

- >>> Floor area: approx. 3,300 m²
- >>> Workshop & warehouse: approx. 3,200 m²
- » Office, canteen etc.: approx. 1,500 m²

Total

- Floor area: approx. 15,200 m²
- Workshop & warehouse: approx. 10,350 m²
- Office, canteen etc.: approx. 5,165 m²

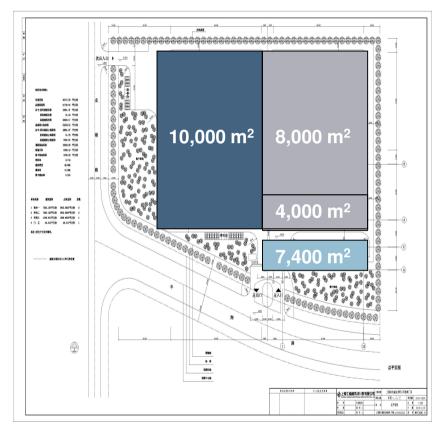
NEW MECHANICAL ENGINEERING LOCATION IN BAOSHAN



All mechanical engineering activities under one roof

- >>> Relocation scheduled for 6/2013, Shanghai Baoshan
- 1 instead of 3 locations
- Balancing, filling, assembly, cleaning technology
- Integrated Dürr/Schenck growth strategy
- Synergies, know-how transfer, flexibility
- 43,000 m² total area
- >> 22,000 m² production area
- >>> 7,400 m² office area (engineering, admin)
- Rent approx. 1.1 RMB/m²/day





- Production cleaning + balancing systems
- Production filling + assembly systems
- Production Electro Components
- Offices

ADDITIONAL MPS SALES AND SERVICE LOCATIONS IN CHINA





SCHENCK ROTEC IN CHINA



Overview







| riepiesenieu in Omna. Since 1905 | R | epresented | in China: | since | 1985 |
|----------------------------------|---|------------|-----------|-------|------|
|----------------------------------|---|------------|-----------|-------|------|

Manufacturing in China: since 1991

Installed base: > 6,000 machines and systems

Employees: ~ 210

Managing Director: Yueguang Song

Market share: > 60%

Planned order intake 2012: ~ € 45 million



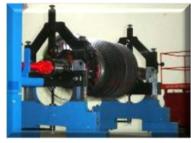


Local activities











- Sales of all Schenck RoTec products in China
- >>> Local manufacturing of a large number of balancing systems for different applications or rotors
- >>> Development of machines and systems specifically for China and emerging markets
- Supplier for Schenck worldwide
- Coordination of marketing and sales in Southeast Asia
- >>> Service balancing, field balancing and customer support
- Installation, service and maintenance for all Schenck RoTec products

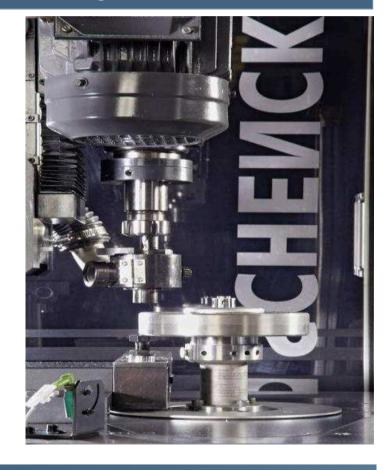




Key project 2012: automatic balancing machine Distec

Development and Manufacturing in Shanghai









Overview







| $R\epsilon$ | epresented | in | China: | since | 1986 |
|-------------|------------|----|---------|--------|------|
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Manufacturing in China: since 2007

Installed base:

- 120 end-of-line (EOL) lines (414 individual machines & systems)
- 5 complete assembly lines
- 5 rear-axle alignment stations

Employees: ~ 120

Managing Director: Peter Legner

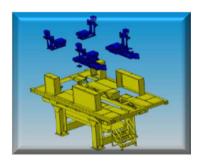
Market share EOL: ~ 50%

Planned order intake 2012: ~ € 30 million



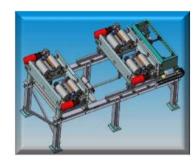


Local activities











- >>> Sales of all products of Dürr Assembly Products in China
- Local manufacturing of brake test stands
- >>> Local manufacturing of components and subassemblies, assembling & testing of entire EOL systems and rear-axle adjustment stations
- >>> Installation and on-site assembly, service and maintenance of all products





Key projects 2012

Further localization of mechanical components





FILLING SYSTEMS IN CHINA



Overview





Represented in China: since 1995

Manufacturing in China: since 2007

Installed base: > 400 filling systems

Employees: ~ 50

Managing Director: Frank Gijsen

Market share Automotive: > 30%

Planned order intake 2012: ~ € 15 million





Local activities











- >>> Sales of all Dürr Somac and Agramkow products in China
- Local manufacturing of compact filling systems "Compstart"
- Installation and on-site assembly, service and maintenance of all Dürr Somac and Agramkow products





Key projects 2012: compact filling systems "CEMAC" (Appliances) & "Compact C" (Automotive)

Design of "Chinese" machines, manufacturing in Shanghai





DÜRR ECOCLEAN IN CHINA



Overview







Represented in China: since 2000

Manufacturing in China: since 2006

Installed base: 490 machines and systems

Employees: ~ 140

Managing Director: Markus Reissmann

Market share automotive: > 50%

Planned order intake 2012: ~ € 45 million

DÜRR ECOCLEAN IN CHINA



Local activities











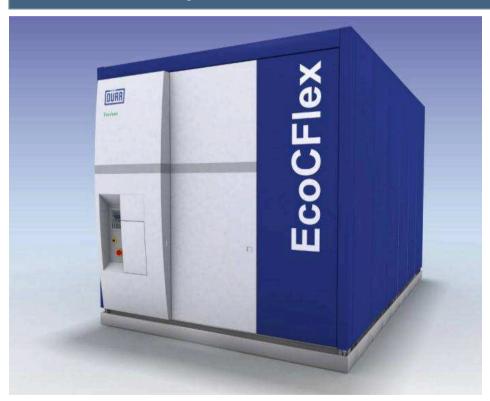
- >>> Sales of all Dürr Ecoclean products in China
- >>> Local manufacturing of a number of cleaning systems both for the automotive industry and for the industrial segment , filtration systems and automation/conveyor systems
- >>> Cleaning test procedures in Dürr's own testing laboratory, service cleaning and customer support for optimum cleaning processes
- >>> Installation, service and maintenance for all Dürr Ecoclean products





Key project 2012: robot-controlled cleaning system EcoCFlex China

Development of a "Chinese" version and manufacturing in Shanghai









- >>> Local design tailored to customer requirements
- Local manufacturing
- Own engineering
- >>> Long-term local presence
- >>> Consistent management team

LOCALIZATION VS. EXPORT: MECHANICAL ENGINEERING



>>> Example: balancing systems (Schenck)

Local design (~40%)

- Selected machines (e.g. for electric armatures, brake disks)
- Tailored to market requirements
 - » Performance/units
 - » Features
 - » Pricing etc.
- » Approval by Darmstadt headquarters

German design (~60%)

- » High level of standardization of the basic design
- User-specific customization by Schenck China
- Close cooperation China/headquarters
 - Feedback to design
 - » Pricing etc.
- Purchasing + manufacturing: mainly China, complex components from Germany (e.g. measuring units)

Important: product mix positioning



BIGGEST CHALLENGES OF MPS IN CHINA

- >>> Availability and attrition of human resources
- Piracy
- Competitive/pricing pressures
- >>> Differentiation from local competitors in order to justify price differences
- Complexity (18 market segments, 45 different product lines, ~ 6,000 customers, output of ~ 1,200 machines p.a.)

SUMMARY



- >>> In the area of mechanical engineering, China is a very important market for Dürr and offers good prospects
- >>> The success factors for Dürr are:
 - early market penetration
 - >>> consistent expansion of its local presence
 - >>> high level of localization at all levels of vertical integration
 - job sharing and knowledge exchange with mother companies
- In future: increased export from China, new service products



Appendix





Balancing and Diagnostic Systems

Kokusai (JP), DSK (JP), American Hofmann (US), CEMB (IT), > 50 local competitors

Assembly Products

Burke E. Porter (US), Fori (US), Siemens (DE), A&E (DE)

Filling & Testing Systems

Automotive: Cinetic (FR), SAT (DE), Cjierui (CN), Yiheng (CN)

Appliances: Ulvac (JP), Galileo (IT), CACL (CN)

Cleaning and Filtration Systems

Automotive: Elwema (DE), MTM (DE), Shimada (JP), Dalian MAM (CN),

Industrial: > 100 local competitors



LEADING IN PRODUCTION EFFICIENCY

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