

### **Our Strengths**

### We are committed to Timing - Technology - Teamwork







#### **Timing**

- Dynamic family-owned and -run company
- Rapid response thanks to flat hierarchies
- Computer-controlled, optimized process management
- High flexibility through short machine set-up times

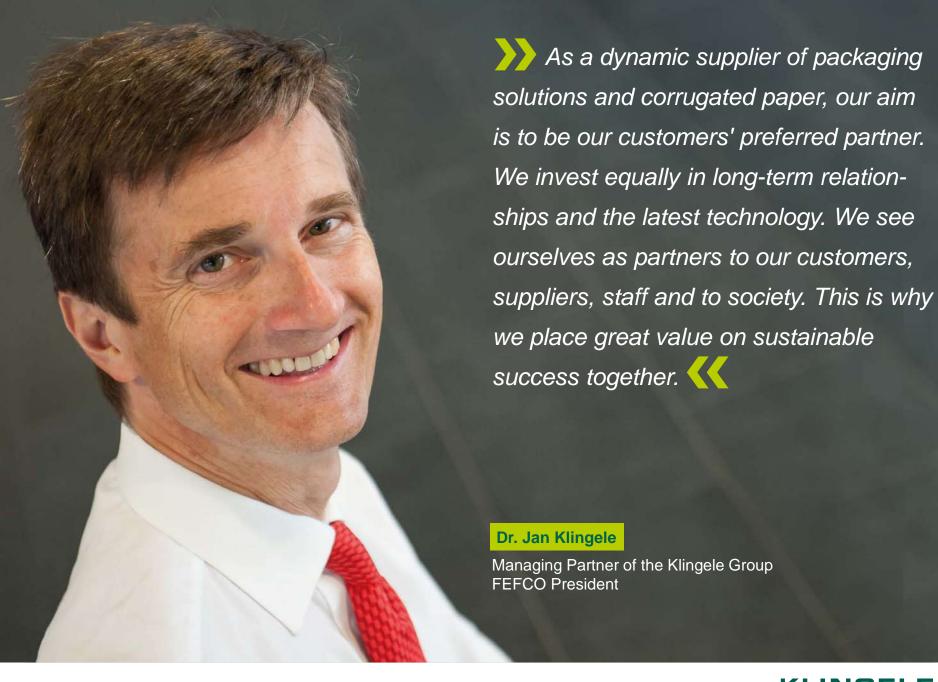
#### **Technology**

- Ongoing investment in state-of-the-art technology, equipment and processes
- Sophisticated, mutually compatible production lines across all box plants

#### **Teamwork**

- Highly committed employees
- Close collaboration across all parts of the group
- Long-term partnership & intensive dialogue with customers, suppliers & the community





04.10.2018





### **Our Development**

## **Tradition and High-Tech**





Badische Wellpapierfabrik Klingele & Holfelder in Wiesloch → Alfred Klingele & Emil Holfelder

Second box plant in

headquarters

Grunbach next to Stuttgart

→ now the Klingele Groups'

**2nd Generation** 



Dr. Werner F. Klingele takes over the companys' management

**New Markets** 



Entry into paper production acquisition of Weener paper mill Expansion in Spain with the acquisition of major holding in local companies 1992

3rd Generation

Dr. Jan Klingele takes over the general management

1920

1947

1961

1936

1952

Klingele and Holfelder end their partnership → Grunbach becomes headquarter for the Klingele Group



1968

The company is located all over Germany and Dr. Brigitte Klingele becomes a director



Separat



**Expansion** 



### **Our Development**

## **Tradition and High-Tech**





Foundation of the Alliance BBP as European Economic Interest Group (EEIG)

#### **Paper Mill**



Foundation of Blue Paper, as a joint venture with VPK Packaging

#### **Expansion**

\*\*Peterson

Acquisition Peterson Packaging in Skandinavia as a ioint venture with VPK Packaging

2017

#### Investment



Blue Paper: construction of the substitute fuel plant Blue Circle

2006

2013

2016

2018

#### Seit 2000

2008

The company embarks on its biggest expansion program. >It invests approx. 400 million euros in machinery, technology etc.



2016

The Weener Energie waste-derived fuel power plant opens



Acquisition MPE and Mauripack- SARL in Mauritania



**Acquisition Compacto** Caribe in Cuba together with Trade Packaging







### **Our Facts and Figures**

## The Klingele Group



Klingele is one of the leading independent manufacturers of corrugated packaging solutions with locations in Europe and Africa.

Founded 1920

**Turnover in Euro** 620 million euros\*

Employees 2,400\*

Capacity Paper 634,000 t/a

Capacity Corrugated

**Board** 990 million m<sup>2</sup>/a

Market Share 5% Corrugated

Board (G)

(as of 2017 (The value is the total of all the locations)) \*(as of 2016 (The value is the total of all the locations))





### **Our Locations**

## Locations of the Klingele group worldwide

Head Office Remshalden, Germany

2 Paper Mill V Germany (1), France (1)

1 Power Plant Germany (1)

12 Box Plants Germany (4), Spain (2), Denmark (1), Sweden (2), Norway (1), Cuba (2)

7 Sheet Plants Cermany (2), Netherlands (1), Norway (2), Mauritania (2)

3 Logistics Centres Cermany (1), Netherlands (1), Spain (1)

1 Folded Box Plant
Cuba











### **Our Locations**

# Klingele locations in Western Europe

**Head Office** 



Klingele Papierwerke, Remshalden

**Paper Mills** 



Klingele Papierfabrik, Weener Blue Paper, Strasbourg, France

Power Plant



Klingele Papierfabrik – Power Plant, Weener

**Box Plants** 



Klingele Papierwerke, Delmenhorst

Klingele Papierwerke, Hilpoltstein

Klingele Papierwerke, Remshalden

Klingele Papierwerke, Werne

Sheet Plants



Norpack, Wunsiedel

V-Projekt, Villmar

Klingele Golfkarton, Elst, The Netherlands

**Logistics Centres** 



Blenk, Villmar

Klingele Golfkarton, Nijmegen, The Netherlands







### **Our Alliance**

### **Blue Box Partners**











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The alliance offers tailored support at the European level and is now one of the top 3.

Founded	2006

<b>Employees</b>	9,418
------------------	-------

68

	<b>Paper</b>	Mills	5
--	--------------	-------	---

Corrugated	<b>Board</b>
Production	

<ul><li>Paper Production</li></ul>	1,285 million tons
------------------------------------	--------------------

<b>Corrugated Board</b>
Capacity

Capacity	4,470 billion m <sup>2</sup> /a
T	0.007 billion Cla

Turnover	2,287 billion <b>€</b> /a
----------	---------------------------

(as of 2017 (BBP))

3,887 billion m<sup>2</sup>/a





### **Our Alliance**

### **Locations Blue Box Partners**





### **Our most recent Investments**

# The Klingele Group



Wind Energy Plant



**Bobst Masterline** 



Göpfert Rotary Die Cutter



**BGM** Inline machine



**Material Handling** 



### **Our Weener Paper Mill**

## **Location Weener, Germany**





Employees 133

Capacity Paper 270,000 t/a

Products Testliner, Fluting

Basis Weights 110 – 180 g/m²

Raw Material 100% waste paper

Paper Width 5 m

Power supply via the company's own CHP plant

Own sewage plant



Thilo-Hubertus Kuhl
Managing Director (assistant)



### **Our Paper Mill Blue Paper SAS**

### Light-weight paper

## Location Strasbourg, France



**Founded** 2013

**Employees** 152

**Joint Venture** Together with VPK

Packaging Group, BE

400,000 t/a Capacity Paper

**Products** Blue Liner, Blue Flute,

Blue One

**Basis Weights**  $70 - 135 \text{ g/m}^2$ 

**Raw Material** 100% waste paper

**Paper Width** 8,62 m

Power supply via the company's own biomass power plant

Own sewage plant





François Brú

### **Our Paper Mill Weener - Power Plant**

## **Location Weener, Germany**





The power plant is operated on the basis of refuse derived fuel (RDF). This plant provides the Weener paper mill with heat and with some of the electricity it requires.

Commissioning 2008

**Employees** 32

Annual Fuel Consumption

app. 180,000 t/a

Saves Annually ->

app. 32 million m<sup>3</sup> of natural and primary energy 55,000 tons of CO<sub>2</sub>-emissions

Own
Wind Energy Plant

#### **Thomas Tappe**

**Power Plant Management** 







### **Our Box Plant**

# **Location Grunbach, Germany**



Founded

1936

Employees

182

Capacity Corrugated Board

125 million m²/a

64,000 t/a

Building size

25,500 m<sup>2</sup>

Awarded

family-friendly company 2015



**Ekkehard Dürr** 

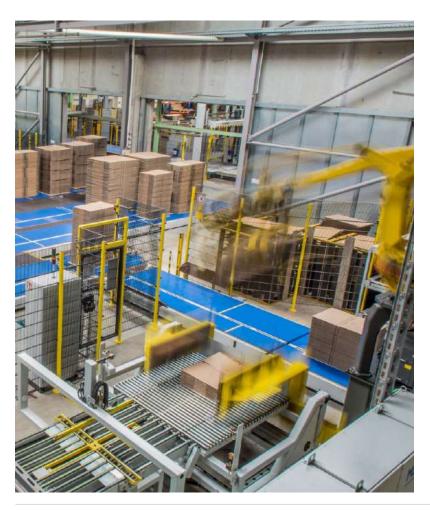
Plant Manager Grunbach



Awarded 2015 as a family-friendly company

#### **Our Machine Park**

## Location Grunbach, Germany



- Corrugator, up to web width 2,500 mm and 2,800 mm
   Fluting: B, C, E and their double-wall combinations BC, BE, EE
- Inline machines, up to 6 colours
- Flatbed die-cutters, up to 6 colours
- Rotary die-cutter, 3 colours
- Folder gluers (incl. self-adhesive closure)



### **Our Box Plant**

# **Location Delmenhorst, Germany**



Founded

1955

Employees

220

Capacity Corrugated Board

140 million m<sup>2</sup>/a

74,000 t/a

Building size

44,000 m<sup>2</sup>

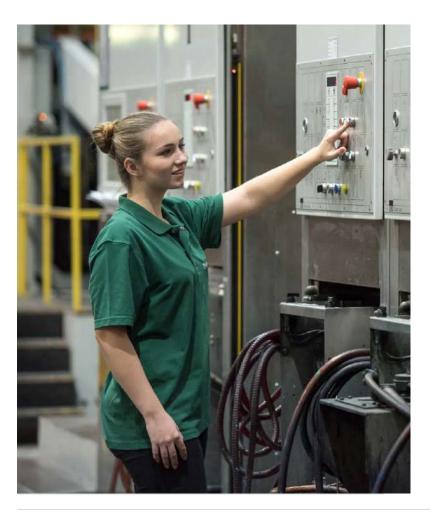
Patrick Ginter
Plant Manager Delmenhorst





#### **Our Machine Park**

# **Location Delmenhorst, Germany**



- Corrugator, web width 2,500 mm and 2.800 mm
   Fluting: B, C, D, E and their double-wall combinations BC, EE, EB, EC
- Inline machines, up to 3 colours
- Flatbed die-cutters, up to 5 colours
- Rotary die-cutter, 5 colours
- Folder gluer



18

### **Our Box Plant**

# Location Hilpoltstein, Germany



Founded

1959

Employees

207

Capacity Corrugated Board

160 million m<sup>2</sup>/a

78,000 t/a

Building size

23,000 m<sup>2</sup>

**Bernhard Harrer** 

Plant Manager Hilpoltstein



#### **Our Machine Park**

# Location Hilpoltstein, Germany



- Corrugator, web width 2,800 mm
   Fluting: B, C, D, E, F and their double-wall combinations EB, BC, EC, FB, ED
- Inline machines, up to 4 colours
- Flatbed die-cutters, up to 6 colours
- Rotary die-cutters, 5 colours
- Folder gluers



### **Our Box Plant**

# **Location Werne, Germany**



**Founded** 

1968

**Employees** 

209

Capacity Corrugated 160 million m<sup>2</sup>/a **Board** 

79,000 t/a



**Building size** 

36,500 m<sup>2</sup>

Plant Manager Werne



### **Our Machine Park**

## **Location Werne, Germany**



- Corrugator, web width 2,800 mm
   Fluting: B, C, D, E and their double-wall combinations CB, EB, EE
- Inline machines, up to 4 colours
- Flatbed die-cutters, up to 6 colours
- Rotary die-cutters, 3 colours
- Folder gluers



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### **Our Processing Plant Norpack**

# Location Wunsiedel, Germany





VERPACKUNGSGESELLSCHAFT

Norpack specialises in the manufacture of packaging in smaller and medium-sized batch sizes as well as intelligent full-service solutions.

Founded 1971

**Employees** 95

Products Packaging without using

tools, multi-material packa-

ging, blanks, dividers

**Service** Assembly and consignment

orders



**Uwe Thiem** 



### **Our Small Series Manufacturer V-Projekt**

# **Location Villmar, Germany**





## V-Projekt

As a manufacturer in the field of processing corrugated board V-Project is producing individual displays and packaging from small pieces to small series.

**Founded** 1998

**Employees** 22

**Products** Individual displays and

packaging, small series

without tool costs, finishing

by manual work

**Service** Design department for

prototypes and samples, a

full-service from development

and production to assembly



**Karin Wegner** 

Plant Manager

24



### **Our Trading Centre Blenk Verpackung & Logistik**

## **Location Villmar, Germany**





The modern warehouse and logistics centre specialises in the trading of standard packaging.

Founded 1977

**Employees** 50

**Service** Big standard assortment for

> mail order, co-packaging, fullfillment and their own

Webshop

Office in Buxtehude Sale



**Ralf Ruffini** 

**Managing Director** 

25

### **Our Processing Plant Klingele Golfkarton**

### **Location Elst, The Netherlands**







The Dutch processing plant produces tailor-made packaging solutions in small and large series.

Founded 2000

Employees 54

Service Assembly and consign-

ment orders, just-in-time

deliveries

**Patrick Ginter** 

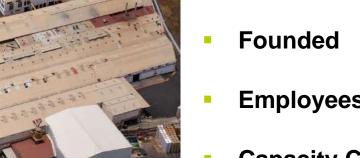




### **Our Box Plant Klingele Embalajes Canarias**

## Location Santa Cruz de Tenerife, Spain







1953

KLINGELE

**Employees** 63

**Capacity Corrugated Board** 

30 million m<sup>2</sup>/a

30,000 t/a

**Building size** 22,000 m<sup>2</sup>

Export to the Klingele processing plants in Mauritania





**Martin Tabares** 

#### **Our Box Plant Ondunova**

# Location Monjos del Penedés, Spain







**Founded** 1957

**Employees** 100

**Capital Participation** Together with

Mathías Gomá

Tomás, Spain

**Capacity Corrugated Board** 

50 million m<sup>2</sup>/a

25,000 t/a

**Building size** 31,000 m<sup>2</sup>







### **Our Plants Peterson Packaging**

### **Locations Scandinavia**





\*\*Peterson

Packaging for the food and bevarage industry as well as for industrial companies for the Scandinavian market.

Box Plant Sarpsborg, Norway
Display Plant Sarpsborg, Norway
Processing Plant Sykkylven, Norway
Box Plant Bäckefors, Sweden
Box Plant Norrköping, Sweden
Box Plant Randers, Denmark

Founded 1801

Participation Along with VPK

Packaging Group, Belgium

Capacity

Corrugated 300 million m<sup>2</sup>/a

**Board** 

**Employees** 630



**Managing Director** 



### **Our Box Plant Peterson Sarpsborg**

## **Location Sarpsborg, Norway**





Packaging for the agricultural, food and beverage industry as well as for industrial companies for the Norwegian, Islandic and the Faroe Islands' market.

Founded 1918

Employees 198

Capital Participation Together with VPK

Packaging Group,

Belgium

Capacity Corrugated Board

95 million m<sup>2</sup>/a





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### **Our Display Plant Peterson Sarpsborg**

# **Location Sarpsborg, Norway**





Sheetplant with digital cutters and a digital printer. Display packaging for the food and beverage industry as well as for industrial companies for the Norwegian market.

**Founded** 1980

**Employees** 35

Together with Capital

**Participation** VPK Packaging Group,

Belgium

**Products** Pallet displays, floor stands,

counter and pop up displays,

stands, promotion boxes,

printed booth walls for

exhibitions, ect.



**Tom-Willy Olsen** 



### **Our Processing Plant Peterson Sykkylven**

## Location Sykkylven, Norway





Packaging for the fish, furniture, electronic industry in the Norwegian market.

Founded 1961

Employees 29

Capital

**Participation** Together with

VPK Packaging Group,

Belgium

**Products** Big boxes, customised

packaging

**Arve Torset** 





### **Our Box Plant Peterson Bäckefors**

## Location Bäckefors, Sweden





**Örjan Emanuelsson**Plant Manager

### \*\*Peterson

Big boxes, packaging for the automotive industry, food industry, industrial converters and wholesalers for the Swedish and Norwegian market.

Founded 1982

Employees 99

Capital Participation Together with VPK

Packaging Group,

Belgium

Capacity Corrugated Board

40 million m<sup>2</sup>/a



### **Our Box Plant Peterson Norrköping**

## Location Norrköping, Sweden





Packaging for the food and beverage industry, wholesalers as well as for industrial companies for the Swedish market.

Founded 1934

Employees 149

Capital Participation Together with VPK

Packaging Group,

Belgium

Capacity Corrugated Board

70 million m<sup>2</sup>/a



**Albin Petterson** 

#### **Our Box Plant Peterson Randers**

## **Location Randers, Denmark**





### \*\*Peterson

Packaging for the food and beverage industry, FMCG, cosmetics as well as for industrial companies for the Danish, Islandic and the Faroe Islands' market.

Founded 1966

Employees 120

Capital Participation Together with VPK

Packaging Group,

Belgium

Capacity Corrugated

**Board** 95 million m<sup>2</sup>/a

### **Our Processing Plant MPE**

## Location Nouadhibou, Mauritania



MPE
Mauritanienne des Produits
d'Emballage SARL

Founded 2011

Employees 10

**Products** Packaging for the fish

industry and for other industrial companys,

for example beverages

industry



**Martín Déniz Mesa** 

# **Our Processing Plant MAURIPACK**

# Location Nouakchott, Mauritania





### **MAURIPACK-SARL**

Founded 2015

**Employees** 10

**Products** Page 1

Packaging for the fish industry and for other industrial companys, for example beverages industry

**Martín Déniz Mesa** 

Plant Manager



### **Our Plants Compacto Caribe**

# **Locations Cuba**





Packaging for the seafood trade as well as for tabacco-, beverages (drinks) and the pharmaceutical industry for the Cuban market.

**Box Plant Havanna Box Plant Santiago de Cuba** Foldet Box Plant Palma Soriano

**Participation** Together with

Trade Packaging

Spain and the

Cuban government

Capacity

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25 million m<sup>2</sup>/a **Corrugated Board** 

14 Mio. \$ **Investments 2017-2020** 

**Employees** 254

Import of corrugated base paper from the paper mill Weener



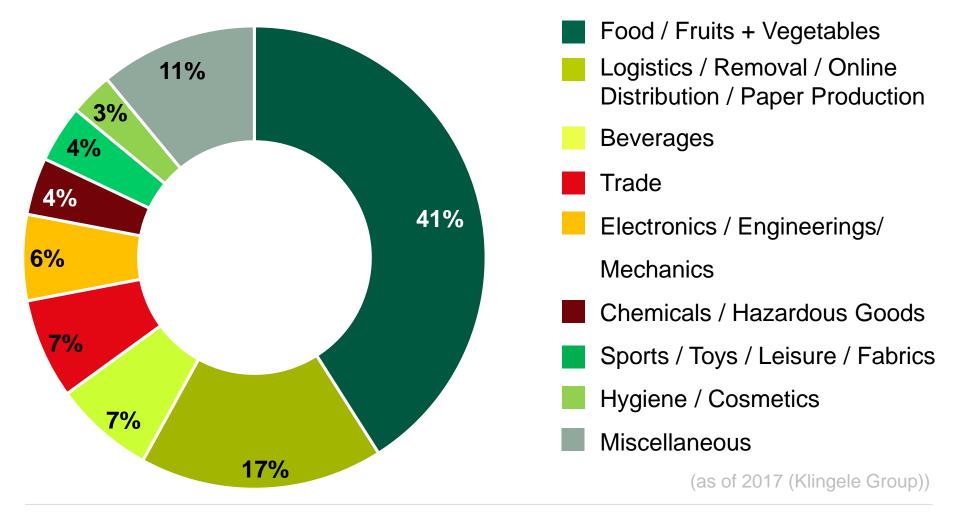






### We know your Requirements

# **Industry Expertise**





### One Contact Person for You

# **Key Account Management**

- Contact with an individual Key Account Manager for each customer
- Support for your international sites in cooperation with our Blue Box Partners alliance
- Coordination of customers who are shared by more than one plant
- Tailor-made, customer-specific concepts
- Proposals for regular savings potential
- Comprehensive customer support



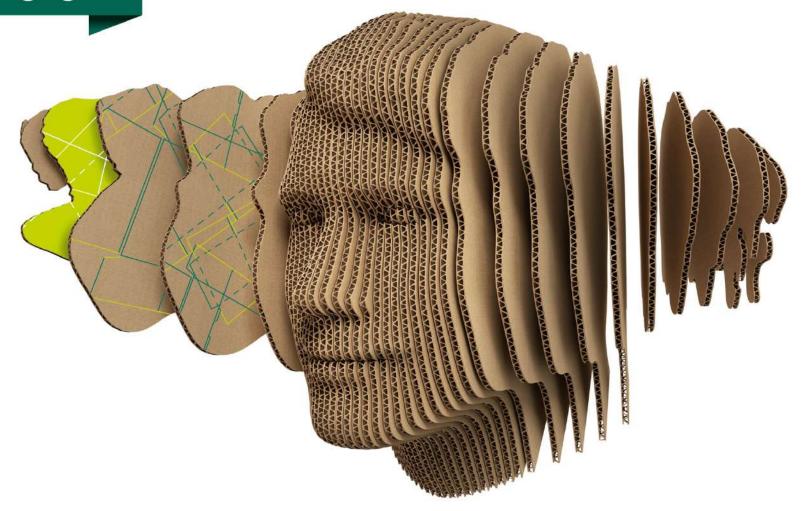
Please get in contact with our **Central Sales Office:** 

info@klingele.com

Tel: + 49 7151 701 0



# We give a face to packaging





### We know Your Requirements

# **Products for every need**

Handling characteristics **Product protection** Stackability Sales promotion Sustainability Logistics Pallet optimisation Cost effectiveness Trade-friendly properties



43

Food safety



# **Transport Packaging**



- Easy handling during packaging and unpacking
- Theft protection
- Variety in many sizes
- Volume optimisation
- Failure test
- Packaging with self-adhesive closure
- Click-Fix → more info + video
- Fast-Fix → mehr info + video
- Single-item delivery packaging for bottles
  - → more info + video
- Plant shipping packaging
  - → more info + video





# Sales Packaging



# Retail ready packaging and shelf-ready packaging solutions

- Easy to identify
- Easy to open
- Easy to shelve
- Easy to transport
- Easy to sell
- Excellent print quality
- Modular pallet display
  - → more info + video
- Herb Display
  - → more info + video



# **Transport Packaging**



- Reliable protection for your goods throughout the entire distribution chain
- Selected combinations of material and individual packaging designs
- Packaging optimized to your carriers
- Compatible with your primary packaging
- **Excellent print quality**





# **Special Solutions**



- Corrugated packaging combined with materials, for example plastic foil
- Break-proof beer and wine bottle packaging for dispatch by mail
- Compartmented inserts and paddings
- Displays, merchandising units and presentation packaging
- Packaging can be produced in specific dimensions thanks to special machines
- Packaging with no tool costs
- Small to medium-sized batch sizes
- Bottle shipping cases → more info
- Pallet collars



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# **Product-/Present Packaging**



- Customised product- and present packaging made of corrugated board, perfectly matched to the product
- Small series as of 1 piece and small batches without tool costs
- Individual print possible
- Processing of foam as well as honeycomb cardboard and cavityplates
- Processing by adding special components



# **Automotive Packaging**



- Disposable packaging of high quality
- Samples and pre-series
- Processing of foam
- Small series as of 1 piece and small batches without tool costs
- Full-Service from development and production to the packaging



# **Packaging for Hazardous Goods**



- Licensed as official testing laboratory for hazardous goods packaging made of corrugated board
- Designs to match the packaging
- Design testing of dangerous goods corrugated cardboard packaging from a gross weight of 4g to 80kg
- Packaging Groups I (X), II (Y), III (Z)
- A variety of design series



# **Corrugated Board Base Paper**



### Klingele Weener

Weight corrugated board base paper out of 100% waste paper between 110 and 180 g/m<sup>2</sup>.

### **Blue Paper**

Light container boards out of 100% waste paper between 70 and 135 g/m<sup>2</sup>.







Good for the environment. Klingele packaging.





# **Sustainability**



We have a long-term corporate perspective and assuming responsibility for the environment, community and our employees.

### **Social Responsibility**

- Family-friendly careers full of perspectives
- Assuming social responsibility

# **Environmental Protection** in the Production Process

 Resource-saving procedures in the production of our paper and corrugated board packaging

### **Eco-friendly Products and Solutions**

- FSC® certified plants
- CO<sub>2</sub> compensation



# Internationally Acknowledged Certificates

	Quality management ISO 9001	Environmental management ISO 14001	Energy management ISO 50001	BRC	FSC <sup>®</sup> CoC
Box Plant Grunbach, DE	•	•	•	•	•
Box Plant Delmenhorst, DE	•	•	•	•	•
Box Plant Hilpoltstein, DE	•	•	•	•	•
Box Plant Werne, DE	•	•	•	•	•
Box Plant Monjos del Penedés, Ondunova, ES	•				
Box Plant Klingele Embalajes Canarias, ES	•				
Paper Mill Blue Paper, Strasbourg, FR	•	•	•		•
Paper Mill Weener, DE	•	•	•		•
Processing Plant Wunsiedel, Norpack, DE	•				
Processing Plant, Elst, NL	•			•	•
Box Plant Peterson, Sarpsborg, NO	•	•			•
Box Plant Peterson, Bäckefors, SE	•	•			•
Box Plant Peterson, Norrköping, SE	•	•		•	•
Box Plant Peterson, Randers, DN				•	•



# **Quality Management**









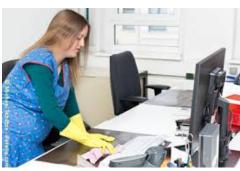
- Implementation of internal and external audits
- Complaint visits to customers and suppliers
- Advice on technical problems and quality issues
- Drafting of customer specifications and quality assurance agreements
- On-site order support
- Laboratory tests on corrugated board and packaging



# **Product Safety & Hygiene Management**









- BRC auditing
- Regular implementation of internal hygiene audits
- Customer visits concerning hygiene issues
- Regular housekeeping inspections
- Drafting of risk analyses and risk assessments
- Glass ban in production, management of glass and hard plastic registers
- Supervision of external pest controllers and cleaning companies
- Implementation of annual training for the entire workforce



### **Printing Processes**

# The Right Technology For Every Requirement



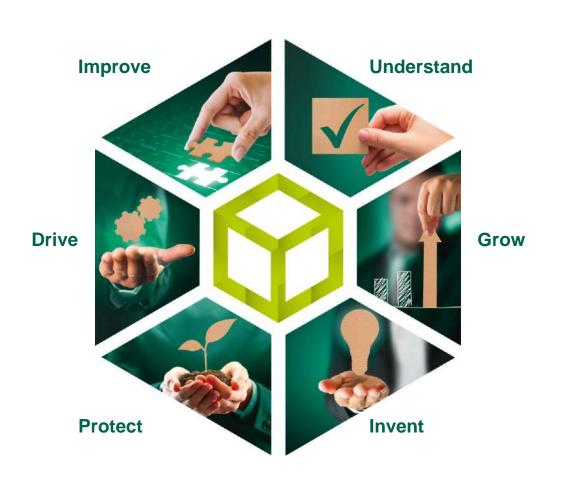
We advise you in all matters relating to printing, such as the optimisation of the visual impact of your packaging or the choice of a suitable printing process.

- Flexographic printing
- Offset printing
- Preprint
- Digital printing
- Silkscreening



### The Process for Your Success

# **Networked Packaging Process**



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### **Full-Service from** one source

We think in terms of networks - far beyond the pure packaging process and develop comprehensive solutions for our customers.

The packaging-related supply chain is characterised by six different aspects as we understand it.



# **Know-How and Knowledge Transfer**

# Klingele Academy





- Individual customer training and workshops on paper, corrugated board, packaging and printing
- Transfer of Expertise:
   Corrugated board production and processing as well as printing and surface treatment
- Dynamic joint optimization workshops to support your particular packaging requirements and needs



Our wide range of seminars can be found in our current programme booklet





### **Packaging and Logistics Process**

# **Supply Chain Management**





Our experts get involved even with the development of our products and optimise the supply chain from the very start:

→ Analysis and optimisation of processes along the entire supply chain

Cost drivers in the supply chain can be identified at an early stage and kept to a minimum:

- Increased process reliability
- → Cost savings
- → Time savings



# **Comprehensive Packaging Management**

# **Everything from One Single Source**









Commissioning

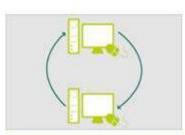


Process management

With its extensive network of partners, the Klingele Group has the perfect solution for all of your requirements.



Co-packaging



IT solutions: EDI, VMI, RFID



Partner network



Plant & Process
Consulting





### **Innovation and Development Expertise**

# **Innovation Management**





Our customers benefit from our many years of experience and our structured innovation management. Our experts network at a national and international level depending on the task in hand.

- Cross-divisional innovation team
- Internal and external sharing and transfering of ideas
- Problem-oriented search possibility
- Innovation days
  - → cross-divisional
  - → in every plant
  - → at an international level
- Together with you 

   Customer workshops



### **Documented Quality**

# **Central Laboratory**





- Goods-in inspections in accordance with defined target values of the container board
- Testing of corrugated board materials and packaging
- Licensed as official testing laboratory for hazardous material packaging made of corrugated board
- State-of-the-art test equipment to identify differences between material information on the processability of paper and corrugated cardboard, printability and adhesion
- 4 point flexural testing possible (only few test equipment in Germany)



# **Carbon-Neutral Packaging**



CO<sub>2</sub> compensation through the support of climate protection projects





### Cooperation with Climate Partner •

Internationally renowned climate protection consultants and solution providers

- Calculation of CO<sub>2</sub> footprint
- CO<sub>2</sub> label and certificate with ID number
- TÜV-certified process for offsetting CO<sub>2</sub> emissions
- CO<sub>2</sub> label printing for packaging possible

### Our climate protection projects

- Cooking stoves in Bamako, Mali
- Forest protection in Oberallgäu, Germany
- Water treatment in Cambodia



# The Environmentally Friendly Carrier Bag

# WellBag

















# WellBag?

- The biodegradable alternative to plastic bags
- Can be re-used many times to carry shopping or to store things at home
- Stands firmly in a shopping trolley or on the floor
- Can be stacked flat at the entrance or cash desk area – easy to assembly
- Attention-seeking advertising space for your brand image
- FSC®-certified and climate neutral
- Trademarked design and produced "Made in Germany"
- Various sizes: small, medium and large



# The Shoe Box with Integrated Handle

# WellBag2Go – Shoe Box 2.0







# WellBag2Go

- Replaces the classic, two-part shoe box
- No additional carrier bag required in store
- Carry handle assembled quickly and easily
- Easy to assemble thanks to integrated foldable base
- Optimal process thanks to single-piece packaging
- Individual customised printing label possible
- Further shoe boxes can quickly be attached



### **Transparent Process Chain**

# **RFID-supported Intralogistics**





- Automatic paper roll-/ pallet registration and identification
- Transparent paper roll-/ pallet management and logistics chain
- Consistent tracking and tracing from the raw material right up to your receipt of goods
- Provides current and transparent storage status available at any time
- Clearly structured, documented, error-free processes



### **Full-Service**

# **Co-Packaging**





We supply fully assembled packaging directly to your packing stations and can provide process special materials or assemble complex packaging for you.

- Quantity-independent
- Automatic and manual packaging
- Timely provision and finishing of your packaging
- Dispatch Options: from packages to pallet shipment



### **Solutions for Challenging Projects**

# **Packaging Optimisation**





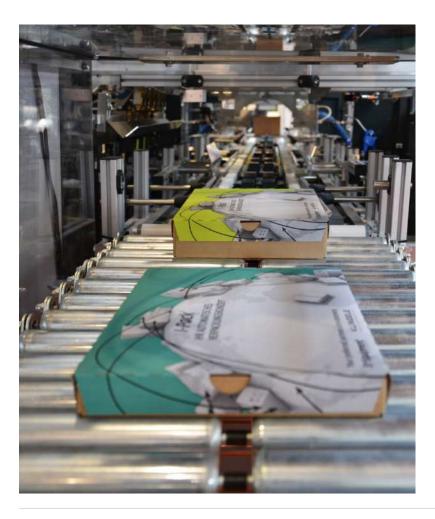
- Qualified customer consultants and packaging designers on site nearby
- Holistic packaging design and optimization in close coordination with you
- Pallet optimisation
- Fulfillment of retail requirements, ecological and economic factors and market trends
- Interactive 3D visualization of packaging
- 3D animation, folding instructions, videos,
   3D presentation of packaging solutions



### **Full-Service**

# **Plant- & Process Consulting**





### Planning – Advice – Sourcing

- In cooperation with an external independent machine-consultant
- Independent advice incl. planning and project engineering
- Manufacturer offering independent problem-solving and quotation proposals
- Optimum solution for your requirements
  - → Packaging, transport, palletisation, etc.
  - → Space requirements, price-performance
- Project support through to the handover of the machine / plant on request





### **Our Contact**

# **Your Contact to Us**



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# Thank you very much for your attention!

