



CPM Cardboard And Paper FZCO

The company is an international sales representative for major paper and cardboard manufacturers, among the top 10 recycled containerboard manufacturers in Europe and Asia. In production, the most advanced technologies and scientific achievements in the field of waste paper processing are used to achieve the highest consumer properties of corrugated packaging.

Our Mission

We set the standard for high-tech containerboard, improving the consumer properties of corrugated packaging.

Our Vision

By 2027, the company is one of the ten largest enterprises of the pulp and paper industry, guaranteed to fulfill the terms of delivery in terms of quantity, timing and assortment.

FACTORS OF GROWTH IN DEMAND FOR THE CPM PRODUCTS



- The trend of responsible consumption, care for the environment, focus on recyclable materials
- Increasing consumer requirements for the manufacturability of containerboard.
- Replacing pulpboard with recycled board at the same quality and lower price.
- Advanced scientific CPM technologies allow producing products with improved consumer properties
- Confident dynamics of the company's development and stable partnerships.
- Efficient logistics and customer service system

CPM competitive advantages in science and technology

Scientific activity from the very beginning was a priority of the company. This is what allows us to constantly improve the technological process, improve product quality, and meet customer expectations as much as possible. Expertise sets us apart in the market

All manufacturing enterprises are equipped with product quality control laboratories. All laboratories meet technical and operational requirements, are equipped with systems for maintaining standard indoor climate conditions, a full line of test equipment from the best suppliers: Frank PTI, TLS, Xell GmbH, etc.



CONTAINERBOARD PRODUCTION IS A STRATEGIC COMPETENCE OF THE CPM COMPANY



Technological leader in the production of containerboard from waste paper



Production increased by 2.5 times over the past 10 years



The products are in demand on global markets



The quality corresponds to the best European analogues



Scientific approach — improving technology and consumer properties of products

SCIENCE IS AT THE HEART OF ALL PROCESSES

>15

years of
in-house RnD

9

PhDs with degrees in
paper manufacturing
hired

150+

scientific publications
worldwide

Production is based on the use of innovative technologies and own developments in the field of improving the physical and mechanical properties of containerboard, the manufacturability of its processing for corrugated equipment, and improving the consumer properties of corrugated packaging.

The CPM has been engaged in scientific work for more than 15 years, nine specialists with a scientific degree in the field of pulp and paper technology work here, the results of research activities are published in leading publications all over the world.

The work is carried out in cooperation with Department of Pulp and Paper and Wood Chemical Industries of the Northern (Arctic) Federal University which has the most modern research base.

All this allows the CPM Co. to produce goods with the highest quality indicators.

The main production facilities of the company include paper machines for the production of linerboard and fluting, multilayer cardboard and parchment. Below are the main technical characteristics of the equipment.

CPM-1

Trim width:
2500 mm

Max capacity per year:
57 000 tons

Density of fluting:
80/90/100/110/120/125/135/140/150 g/m²

Density of linerboard:
100/110/115/120/125/135/140/150 g/m²

CPM-2

Trim width:
2100 mm

Max capacity per year:
34 000 tons

Density of fluting:
80/90/100/110/120/125/135/140/150 g/m²

Density of linerboard:
100/110/115/120/125/135/140/150 g/m²

Three **linerboard, topline** and **fluting-making** machines

CPM-3

Max capacity per year: **62 000 tons**

Trim width: **3150 mm**

Density of fluting: 90/100/110/120/125/135/140/150 g/m²

Density of linerboard: 100/110/115/120/125/135/140/150 g/m²

CPM-4

Max capacity per year: **83 000 tons**

Trim width: **2520 mm**

Density of fluting: 80/90/100/110/120/125/135/140/150/160 g/m²

Density of linerboard: 100/110/115/120/125/135/140/150/160 g/m²

Density of topline: 115/125/135/140 g/m²

CPM-7

Max capacity per year: **179 000 tons**

Trim width: **4550 mm**

Density of fluting: 80/90/100/110/120/125/135/140/150/160 g/m²

Density of linerboard: 100/110/115/120/125/135/140/150/160 g/m²

Also, there is **hardboard-making** machine with a capacity of **29 mln m² per year**.

Length: 610–3050 mm
(max deviation ±3)

Width: 610–1700 mm
(limit deviation ±3)

Thicknesses: 2–5 mm
(limit deviation ±0,3)

Density: up to 1100 kg/m³

* The hardboard with other sizes can be supplied according the customer's request.



CPM-6

Max capacity per year:

50 000 tons

Trim width:

2520 mm

Density of fluting:

110/120/125/135/140/
150/160/175/200 g/m²

Density of linerboard:

115/120/125/135/140/
150/160/175/200 g/m²

CPM-5

Binding cardboard B-grade:

790×1000 mm

Thickness:

0,8–1,55 mm

Box cardboard grades:

A, B-0, BK-0, B-1,

Thickness:

0,5–0,8 mm

Core board grades:

BKG-1, BKG-1.1

Trim width:

3200 mm

Density of cardboard:

390–850 g/m²

Binding cardboard

PKS-grade:

780×1000, 780×1080,
920×1050, 1050×920 mm

Thickness:

1,25–2,5 mm

LINERBOARD CPM PREMIUM

TECHNICAL SPECIFICATION

PARAMETER NAME	CPM PREMIUM (STANDARDS)												TEST METHOD	
Grammage, g/m ²	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±3	200±3	225±3	ISO 536	
Grammage variations over reel width, %, no more													ISO 536 and item.5.4 of the Specifications	
	CPM Premium S					3,0								
	CPM Premium					5,0								
Short Compression Test CD (SCT _{CD}), kN/m	2,00– 2,20	2,20– 2,40	2,30– 2,50	2,40– 2,65	2,50– 2,75	2,70– 3,00	2,80– 3,10	3,00– 3,30	3,20– 3,50	3,50– 3,85	4,00– 4,40	4,50– 4,95	ISO 9895	
Bursting Strength Test (BST), kPa, no less	290	320	335	350	360	390	405	435	465	505	580	650	ISO 2759	
Absorbency of water at one-sided wetting, g, Cobb ₆₀ at top side													25–50	ISO 12605 and item.5.3 of the Specifications
Average moisture content, %													6,5–8,5	ISO 287
Moisture variation over reel width, %, no more														ISO 287 and items 5.4 and 5.5 of the Specifications
	CPM Premium S					1,5								
	CPM Premium					2,0								

NOTE. Other values of physical-mechanical quality indicators with a proportional increase the wholesale product price can be agreed other with the consumer.

LINERBOARD CPM LINER 1

TECHNICAL SPECIFICATION

PARAMETER NAME	CPM LINER 1 (STANDARDS)												TEST METHOD
Grammage, g/m ²	100±5	110±6	115±6	120±6	125±6	135±8	140±8	150±9	160±9	175±10	200±10	225±10	ISO 536
Grammage variations over reel width, %, no more	6,0												ISO 536 and item.5.4 of the Specifications
Short Compression Test CD (SCT _{CD}), kN/m	1,75– 2,20	1,90– 2,20	2,00– 2,30	2,10– 2,40	2,20– 2,50	2,40– 2,70	2,45– 2,80	2,60– 3,00	2,80– 3,20	3,10– 3,50	3,50– 4,00	4,00– 4,50	ISO 9895
Bursting Strength Test (BST), kPa, no less	270	300	310	325	340	365	380	405	430	475	540	605	ISO 2759
Absorbency of water at one-sided wetting, g, Cobb ₆₀ at top side	25–50												ISO 12605 and item.5.3 of the Specifications
Average moisture content, %	6,0–8,5												ISO 287
Moisture variation over reel width, %, no more	2,5												ISO 287 and items 5.4, 5.5 of the Specifications

NOTE. Other values of physical-mechanical quality indicators with a proportional increase the wholesale product price can be agreed other with the consumer.

FLUTING CPM PREMIUM

TECHNICAL SPECIFICATION

PARAMETER NAME	CPM PREMIUM (STANDARDS)														TEST METHOD
Grammage, g/m ²	80±3	90±3	100±3	110±3	115±3	120±3	125±3	135±3	140±3	150±3	160±3	175±3	200±3	225±3	ISO 536
Grammage variations over reel width, % %, no more															ISO 536 and item.5.4 of the Specifications
CPM Premium S															3,0
CPM Premium															5,0
Corrugated Medium Test, (CMT ₀), H, with a strip width of 15 mm, no less															ISO 7263
CPM Premium S															
CPM Premium	170	190	210	230	240	250	260	285	295	315	335	370	420	470	
	160	180	200	220	230	240	250	270	280	300	320	350	400	450	
Short Compression Test CD (SCT _{CD}), kN/m	1,60– 1,75	1,80– 2,00	2,00– 2,20	2,20– 2,40	2,30– 2,50	2,40– 2,65	2,50– 2,75	2,70– 3,00	2,80–3,10	3,00– 3,30	3,20– 3,50	3,50– 3,85	4,00– 4,40	4,50–4,95	ISO 9895
Tensile strength in machine direction, (S), kN/m, no less	5,5		6,0									6,5			ISO 1924-2
Absorbency of water, g, (Cobb ₃₀), at the average on both side								50–100							ISO 12605 and item.5.3 of the Specifications
Average moisture content, %								6,5–8,5							ISO 287
Moisture variation over reel width, %, no more															ISO 287 and items 5.4 and 5.5 of the Specifications
CPM Premium S															1,5
CPM Premium															2,0

NOTE. Other values of physical-mechanical quality indicators with a proportional increase the wholesale product price can be agreed other with the consumer.

FLUTING CPM MEDIUM HP

TECHNICAL SPECIFICATION

PARAMETER NAME	CPM MEDIUM HP (STANDARDS)														TEST METHOD
Grammage, g/m ²	80±5	90±5	100±5	110±6	115±6	120±6	125±6	135±8	140±8	150±9	160±9	175±10	200±10	225±10	ISO 536
Grammage variations over reel width, %, no more	6,0														ISO 536 and item.5.4 of the Specifications
Corrugated Medium Test, (CMT ₀), H, with a strip width of 15 mm, no less	140	160	175	195	200	210	220	235	245	260	280	305	350	395	ISO 7263
Short Compression Test CD (SCT _{CD}), kN/m	1,40– 1,60	1,60– 1,80	1,75– 2,00	1,90– 2,20	2,00– 2,30	2,10– 2,40	2,20– 2,50	2,40– 2,70	2,45–2,80	2,60– 3,00	2,80– 3,20	3,10– 3,50	3,50– 4,00	4,00–4,50	ISO 9895
Tensile strength in machine direction, (S), kN/m, no less	5,0		5,5			6,0									ISO 1924-2
Absorbency of water, g, (Cobb ₃₀), at the average on both side	50–100														ISO 12605 and item.5.3 of the Specifications
Average moisture content, %	6,0–8,5														ISO 287
Moisture variation over reel width, %, no more	2,5														ISO 287 and items 5.4, 5.5 of the Specifications

NOTE. Other values of physical-mechanical quality indicators with a proportional increase the wholesale product price can be agreed other with the consumer.

TOPLINER

TECHNICAL SPECIFICATION

PARAMETER NAME	TOPLINER KT-1 / TOPLINER KT-2										TEST METHOD
Grammage, g/m ²	90±4	100±4	115±4	125±4	140±5	150±6	160±6	175±8	200±10		ISO 536
Fluctuations card-board mass in 1 m ² in the reel's width, %, not more than	0,15±0,02	0,16±0,02	0,17±0,02	0,19±0,02	0,21±0,02	0,22±0,02	0,24±0,02	0,26±0,02	0,27±0,02		ISO 534
Short Compression Test CD (SCT _{CD}), kN/m, no less	KT-1	1,6	1,8	1,9	2,0	2,1	2,2	2,3	2,4	2,5	ISO 9895
	KT-2	1,5	1,7	1,8	1,9	2,0	2,1	2,2	2,3	2,4	
Bursting Strength Test (BST), kPa, no less	KT-1	320	350	360	380	400	420	440	460	480	ISO 2759
	KT-2	280	310	330	350	370	390	410	430	450	
Brightness, %, no less	KT-1	90 (with optical bleach) / 80 (without optical bleach)									ISO 2470-77
	KT-2	90 (with optical bleach) / 70 (without optical bleach)									
Surface strength, no less						14					TAPPI T 459 om-08
Absorbency of water at one-sided wetting, g, Cobb ₆₀											ISO 535-91
	at top side						35				
at bottom side						30-70					
Average moisture content, %						6,0-9,0					ISO 287

Multilayer cardboard

Multilayer cardboard is a product of the formation of several layers of waste paper on a round-mesh machine. It has a wide range of quality indicators. Made from 100% recycled materials.



Binding cardboard B-grade:

790×1000 mm

Thickness:

0,8–1,55 mm

Box cardboard grades:

A, B-0, BK-0, B-1,

Thickness:

0,5–0,8 mm

Core board grades:

BKG-1, BKG-1.1

Trim width:

3200 mm

Density of cardboard:

390–850 g/m²

Binding cardboard

PKS-grade:

780×1000, 780×1080,
920×1050, 1050×920 mm

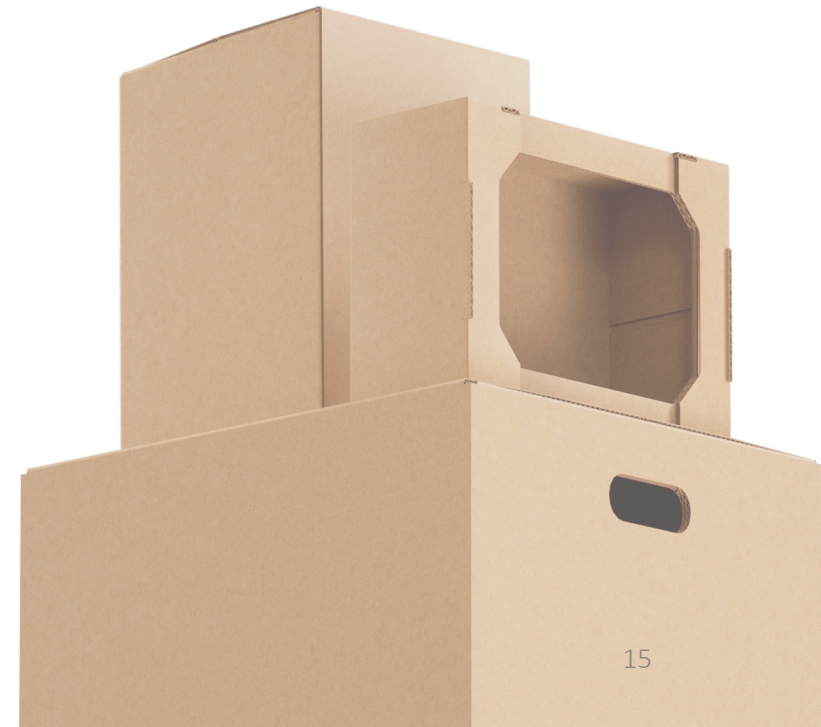
Thickness:

1,25–2,5 mm

Corrugated packaging

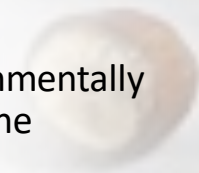
For the manufacture of corrugated products, we use raw materials of our own production - containerboard and cardboard with a bleached surface layer. Additionally, raw materials from cellulose fiber are used.

The main consumers of CPM corrugated products are food industry enterprises: manufacturers of confectionery, canned food, drinks, as well as representatives of the furniture industry, pharmaceuticals, manufacturers of household chemicals and cosmetics.



Parchment paper

- Parchment paper, or vegetable parchment, is a cellulose-based composite that has been processed to give it additional properties like non-stickiness, grease resistance, and resistance to humidity.
- Vegetable parchment has low porosity and thanks to inner strength it is not dust forming, when wet it becomes elastic, it's easy for cutting and rolling and as a result it's ideal for automatic packaging.
- Parchment is good for flexographic printing. Opaque parchment is specially developed for this application. Opaque parchment protects packed product from the contact with sun rays and prolongs shelf life of the product.
- The material is completely environmentally safe and produced with respect for the people and nature around us.





Parchment application *food packaging*

Parchment transparent and opaque

- Flexographic printing
- Packaging for products with high fat and moisture content, such as butter, margarine, cheese, fish, meat products
- Lining in corrugated boxes, in boxes for pizza and pastries
- Production of bags for fast food

Silicone coated parchment

- Oven tray laying
- Separation of frozen products
- Production of bags for food roasting and heating

Parchment for production of crimped cups with Slip Easy effect (transparent, opaque, colored)

- Production of crimped cups for cupcakes, patty shell, chocolates
- Production of tulip cups for cakes
- Production of muffin cups



Parchment for technical application

Transparent and opaque parchment

- Printing industry (sheet divider in photo albums, books, inserts for postcards)
- Printing of documents, diplomas
- Drawing

Parchment for textile industry (transparent, colored, printed)

- Winding on textile cores
- Core protection from fat penetration for yarns
- Core sorting and accounting

Parchment for furniture industry (transparent, colored)

- Manufacturing of laminates
- Manufacturing of edging material



Packaging papers application



Wet strength paper (calendered and machine finished)

- Bags for bread, fast food
- Coating with aluminum foil
- Coating with PE
- Bags for sugar and flour
- Bags for dry building mixes (upper layer)
- Foot wear, textiles, glassware packaging
- Dumper multilayers for confectionary
- Backing paper moulds for cakes

Wet strength paper (calendered, with titanium dioxide, colored)

- Paraffin wax coating
- Fast food packaging
- Base paper for laced napkins
- PE Coating

Paper for medical items packaging and sterilization, grade GS

- Syringes packaging
- Medical items packaging
- Medical bags production (paper + paper, paper + PE/PP film)

Parchment and paper converting

- Parchment and paper are slitted on slitting and rewinding machine. Minimal width of the rolls – 340 mm.
- Maximal roll diameter – 950+/-50 mm
- Core diameter – 50mm,70mm, 76mm, 150mm
- If necessary, parchment and paper can be cut into coils less than 340mm width, in sheets of different size from 200mm to 1000mm.
- Goods are delivered on pallets or without.

CPM-8

Trim width:
2590 mm

Max capacity per year:
51 000 tons

CPM-9

Trim width:
2550 mm

Max capacity per year:
22 000 tons

Delivery	Width, mm	Core diameter, mm
In rolls	From 340	70, 76, 150
In reels (incl. printed products)	From 140	50, 70, 76,150
In sheets	From 200 to 1000	

Type of product	Basis weight, gsm	Form	Application
Transparent parchment	40-100	Rolls, reels, sheets	Lining for corrugated tare, flexographic printing, packaging for food products, like meat products, cheese, confectionary, fish, fast food, for advertizing materials
Opaque parchment	50-60	Rolls, reels, sheets	Flexographic printing, packaging for margarine, dairy products, like butter, cheese, curds
Parchment for crimped cups, with Slip Easy effect	40-60	Rolls, reels, sheets	Manufacturing of crimped cups for packaging of confectionary, baked products
Silicone coated parchment, grade PA-2	40-64	Rolls, reels, sheets	Oven tray lining, protection of glued surfaces (silicon on 2 sides).
Colored parchment for textile industry	58	Rolls, reels	Manufacturing of textile cores (winding on cardboard)
Transparent parchment for textile industry	40-60	Rolls, reels	Flexographic printing, manufacturing of textile cores (winding on cardboard)
Colored parchment for furniture industry (NUT, HAVANA)	40-100	Rolls	Production of laminates
Wet strength paper , calendered, grade VPM OOVK	30-50	Rolls	Laminating with aluminum foil, coating with PE, wax coating , flexographic printing, manufacturing of bags for fast food
Wet strength paper , calendered, grade VPM OOVK	70-100	Rolls	Manufacturing of bags for bulk food products, like sugar, flour, cereals, souvenir bags
Wet strength paper , non-calendered, grade VPM OOV	70-100	Rolls	Flexographic printing, manufacturing of bags (upper ply)
Wet strength paper, grade VPM KO, colored in mass (beige, cinnamon)	35-50	Rolls	Flexographic printing, laminating, manufacturing of bags for bread, baked products
Paper for packaging of medical items, and for sterilization, grade GS	60	Rolls	Flexographic printing, packaging of medical items, like syringes, polymeric medical items, manufacturing of bags

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