

## INVESTOR PRESENTATION

**FEBRUARY 2024** 





#### ABOUT KUANTUM PAPERS



- Kuantum Papers Ltd, a leading agro and wood-based paper manufacturer started its commercial operations in 1980 in an economically backward village of Hoshiarpur, Punjab.
- They started their production with 30 TPD and are currently operating at 450 TPD. After the completion of their backward integration project in March'21, the total production capacity stands at 450 TPD.
- Due to its location in the foothills of the Shivalik range, Kuantum Papers has been strategically utilizing agro residues like wheat straw, sarkanda and bagasse along with wood chips, veneer waste & bamboo to make high quality paper.
- The company's fully integrated manufacturing facility spread across 259 acres helps it gain an advantage in terms of better operational efficiency and higher product offering.
- Its extensive portfolio of writing and printing paper finds application in books, notebooks, annual reports, directories, account books, envelopes, diaries, calendars, computer & office stationery.
- Kuantum's product offerings include maplitho, creamwove and value added specialty products like thermal paper, bond paper, parchment paper, azurelaid paper, catridge paper, coloured paper, ledger paper, stiffner paper, cupstock base paper for straws and carry bag paper with a GSM range of 40 – 200.
- The company manufactures its products on an order-based system from its 100+ dealer network spread across India, many of whom have been associated with it for three generations.
- The company has increased its export footprint in the last few years and is now exporting to 30+ countries.
- Its Marquee clients include Wal-Mart, McGraw Hill, Kokuyo (Mumbai), Thomson, Lotus, Global, Navneet Publications, Oxford University Press, Macmillan amongst others.
- The company's Social Farm Forestry Program includes wood plantations of around 6,470 acres and it envisions reaching 1 crore saplings per annum in the next 2-3 years.



FY21

**FY22** 

FY23

9M-FY24

#### **BOARD OF DIRECTORS**





#### Sh. Jagesh Khaitan Chairman



**Mr. Pavan Khaitan** *Vice Chairman and Managing Director* 

Sh. Jagesh Kumar Khaitan is the Chairman of Kuantum Papers Ltd. He was earlier the Vice Chairman and MD of Amrit Banaspati Co. Ltd. and remained President of Indian Vanaspati Producers Association IVPA. His entrepreneurial spirit and passion has been one of major drivers for the company's growth. He has been the recipient of the prestigious award 'UDYOG RATNA' honored by PHD Chamber of Commerce & Industry, in the year 2005, towards his excellent and dedicated contribution to the State of Punjab. Pavan Khaitan is a graduate in Commerce from Panjab University and a qualified Chartered Accountant. He joined the company in 1997 as the CEO and has been spearheading various initiatives that have rationalized the cost, enhanced quality, focused on specialty paper and ultimately optimizing the resources to their fullest. Also, he has been recently appointed as Vice President of the Indian Pulp & Paper Technical Association (IPPTA). He has been instrumental in undertaking projects including debottlenecking and overall upgradation of the paper mill. Under his aegis, the backward integration cum upgradation project has been successfully completed in March 2021 with a capital outlay of INR 440 crore.

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#### **BOARD OF DIRECTORS**





**Shireen Sethi** Director (Independent)

Currently the COO of Network 1 Media Pvt. Ltd. and has over two decades of experience as a journalist, manager and advisor to many national & global media corporations and has founded multiple successful businesses in the media, technology & education sectors. She has also been working extensively with FICCI advising the trade body in the Technology Commercialization Department and has been instrumental in multiple initiatives of the organization including The India Innovation Growth Program (a JV between Lockheed Martin & Ministry of Science & Tech), Millennium Alliance and DRDO-ATAC 877.



**D.S Sandhawalia** Director (Non-Independent)

Drishinder Singh Sandhawalia has over 35 years experience in consulting and working with businesses in the public and private sectors. He works with the leadership and management team. He is interested in solving problems of organizational stability and change, evaluation and strategy. His expertise in developing and implementing information technology projects has enabled him to build a reputation as a thought leader and innovator in areas of project and knowledge management.



**Vivek Bihani** Director (Independent)

Vivek Bihani is an Engineer from BITS, Pilani and an MBA from IIM, Bangalore. He has total work experience of around 27 years. He worked with a leading venture capital firm in the early part of his career, turned an entrepreneur in 1998 and since 2009, is supporting high quality entrepreneurs as part of his second innings in venture capital As a venture capitalist, during 1992-1998, he worked with TDICI Limited (now called ICICI ventures), a firm that pioneered venture capital in India and has grown to become one of the largest and most successful private equity firms in India.



**Bhavdeep Sardana** Director (Independent)

Bhavdeep Sardana, aged 45 years is Master's in Business Administration from Durham University (UK) and Bachelors in Science (Hons) in Chemistry with Chemical Engineering from Northumbria University, Newcastle Upon Tyne (UK) Presently Sr. VP & CEO at The Sukhjit Starch & Chemicals Limited and is responsible for successfully implementing repeated expansions at various units. He leads all B2B sales with Paper, Food & Pharma Majors. He actively engages with State Govts and Govt. of India on policies affecting the agro-processing industry and ease of doing business reforms.

#### KEY MANAGEMENT TEAM





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### **GEOGRAPHICAL PRESENCE & SALES MODEL**



#### Jammu &Kashmir 1% Punjab Chandigarh Haryana Delhi 4% 10% Assam Rajasthan ک Uttar Pradesh ک 4% Biha 3% Jharkhand -West Bengal 6% Guiarat Madhya Pradesh Chhattisgarh 4% کی Maharashtra 1% Felangana Export accounts for 15% of the total sales for FY23.

#### ORDER BASED MANUFACTURING:

- The production is order based and manufacturing is undertaken after the company receives advance orders from dealers/distributors.
- The company does not operate on fixed SKUs. They service their dealers based on customized order sizes, rather than fixed sizes offered by most of the competitors.

#### **INVENTORY:**

• Inventory of finished goods is low and rarely exceeds three days' production.

#### **COLLECTION MECHANISM:**

 Collection is done strictly within 5 days of date of Invoice.

### COMPANY HISTORY AND MILESTONES









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#### **KEY STRENGTHS**





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#### Largest product portfolio in the Paper Industry covering Maplitho, Copier, Specialty and Creamwove papers



Long standing relationship with dealers, many associated with the company for over 3 decades



executed backward integration project has led to improved EBITDA margins



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Improved infrastructure of paper machines in order to be more cost effective

Located near densely populated Northern Region including NCR, a higher paper consumption market



Strategic location in Punjab with abundant availability of raw materials such as Wheat Straw, Sarkanda & Bagasse, allows us to get steady supplies at stable prices



Raw Materials are perfect substitutes of each other, so not dependent on any single one throughout the year



Future source of wood raw material: Social farm forestry programme with a vision to reach 1 crore clonal saplings per annum in the next 2 - 3 years



Superior product quality and market focus allow us to charge premium price of 5-7% higher than competitors



Established distinguished range of branded products







## OVERVIEW OF CURRENT OPERATIONS

MANUFACTURING PROCESS





### CURRENT MANUFACTURING FACILITIES

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### PULPING FACILITIES



#### **Total Capacity: 380 TPD**

Agro Pulp 200 TPD

Wood Pulp 180 TPD

- The company has eliminated its dependency on Imported Hardwood Pulp as it has become self-reliant in wood raw material, thereby reducing the cost of production.
- There is also a conscious effort to replace imported softwood pulp with In-house wood pulping.
- The increased pulping capacity has led to higher production of paper.



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#### PAPER MACHINES



#### **Total Capacity: 450 TPD**

PM 1 - 25 TPD	PM 2 - 50 TPD
PM 3 - 115 TPD	PM 4 - 260 TPD

- Increase in paper production capacity to 450 TPD.
- The increased production has been totally absorbed by the demand pull from the market and company is operating at 100% capacity utilization.
- Improvement in the quality of the paper produced along with better efficiency.
- The different configurations of the four paper machines allow Kuantum to manufacture a wide variety of surface-sized, non surface-sized and value-added specialty products.



### CHEMICAL RECOVERY ISLAND



#### Total Capacity: 700 TPD of Black Liquor Solids

New CRP : 500 Solids TPD

#### Existing CRP : 200 Solids TPD

 A chemical recovery plant of 500 TPD supplied by Andritz is a HERB recovery boiler with SRS technology has been installed to process caustic from Black Liquor.

#### The Chemical Recovery Plant has three major components:

Recovery Boiler Evaporator Recausticizing Plant

- The plant has significantly increased the steam- to solid ratio, which in turn improves the efficiency of the overall plant operations.
- The treatment of black liquor helps in regenerating Caustic soda up to 95%+ in the recovery process.





#### **Total Capacity : 38 MW**

Turbines : New : 20 MW & 8 MW Existing Turbines: 10 MW Boilers : Total 190 TPH New : 130 TPH Existing : 60 TPH

- The need of the hour is to be self-sufficient in power requirement in order to sustain operations on a long-term basis.
- Kuantum has a captive Co-Generation Power Plant in which they have added.
- A high pressure CFBC Boiler supplied by ISGEC.
- Two highly efficient back pressure turbines of 20 MW and 8 MW, supplied by SIEMENS.
- The Co-Gen Power Plant allows the company to decrease its dependency on the State Power Grid, enabling it to maintain seamless operations at all times along with reduction in power cost.



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### EFFLUENT TREATMENT PLANT



The company has up-graded existing Effluent Treatment Plant with an objective of parameters of treated effluent as well as to be 'future ready' to meet all Environmental norms.



The treated effluent is used to irrigate almost 2,000+ acres of fields in the surrounding villages , through a network of pipelines laid by the Company at its expense.



### RAW MATERIAL SOURCING



Kuantum has an integrated Pulping facility with separate Agro Pulping and Wood Pulping streets having a total capacity of 380 MT of pulp per day for paper manufacturing.

Kuantum uses the following agro residues in its Agro Pulping Street (200 TPD):

Agro	% Content in Agro Pulp
Wheat Straw	90%
Bagasse & Sarkanda	10%

Wood for Wood Pulping Street (180 TPD) is sourced as follows:

Wood	% Content in Wood Pulp		
Wood Chips & Wood logs	90%		
Bamboo	10%		

Kuantum mainly uses Agro Pulp in Paper Production which is environment friendly. Even wood raw material is procured mostly as wood chips & veneer, which is a waste product of the plywood industry.





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### TECHNICAL COLLABORATION WITH TANOVIS AG



The company has a collaboration with Tanovis AG (formerly Granit Recherché Development SA) for the Lignin Precipitation Plant.



Tanovis AG, is a Swiss company with global operations. It is in the business of providing process technologies & innovative products on lignocellulosic biomass.



Tanovis AG is today known to produce high-purity lignin based renewable products, encompassing industrial, health & nutrition fields.



Set up first-of-its-kind in the world – A Full Scale Lignin Precipitation System, to separate the non-bio degradable lignin from the black liquor.



### TECHNICAL COLLABORATION WITH SPECIALTY MINERALS, USA



#### The company has a collaboration with Specialty Minerals Inc.



Kuantum, have a first-of-its-kind backward integrated **PCC** (Precipitated Calcium Carbonate) Plant in an Agro based operations in the world, set up in collaboration with Specialty Minerals Inc.



**Specialty Minerals Inc.,** USA is a multi-national company operating plants in over 20 countries, producing high performance minerals for use in various product manufacturing processes. Today, Specialty Minerals Inc is the world's largest manufacturer of Precipitated Calcium Carbonates.



Specialty Minerals Inc has dedicated an investment of around INR 254.53 million towards establishing the PCC plant within the company premises.



Precipitated Calcium Carbonate manufactured is used as a filler during production of paper.



SOCIAL FARM FORESTRY PROGRAM









Social farm forestry programs are green sustainable initiatives undertaken by paper companies in order to contribute to the small and marginal farmers of barren, non fertile land, apart from providing a catalyst to deforestation.

Kuantum launched the Social-Forestry Plantation Project and is producing quality clonal plants of Eucalyptus and over the years has covered approximately 5,650 acres area under clonal plantation.



Aim is to increase footprint to almost 1 crore saplings per annum in the coming years to ensure a sustainable source of wood material.



These initiatives also contribute to securing raw materials within a specific radius hence reducing the over all manufacturing costs and highlighting a dependency on multi year resource visibility.

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Our extensive product portfolio covers high-quality Agro and Wood based Maplitho, Copier, Specialty and Creamwove papers.

Category	Brand	GSM Range
	KOSHEEN	54-120
MAPLITHO	KRESTO	52-120
MAPLITHO	KOSMO LITHO WHT	54-150
	KOSMO LITHO CRM	54-150
	K.ONE	65-80
	KALEELA*	72
COPIER	KONQUER	65-75
	KODEXA FS	80
	KAPPA PREMIUM	52-100
	KUANTUM GOLD	42-100
CREAMWOVE	KUANTUM GOLD HB	46-100
	КОРҮ+	46-80
	КОРҮ+ НВ	46-80

Investor Presentation \*Available in Pink, Yellow, Green and Blue colours





### SPECIALTY PAPER PRODUCT RANGE



Brand	GSM Range
KUANTUM BOND	85-100
KRAYO*	49-68
KOSMO LITHO*	60-90
KREDA	58-95
KOSMO CARTRIDGE WHT	60-170
KOSMO CARTRIDGE CRM	60-170
KOSMO PARCHMENT	80-105
KOSMO STIFFNER AF	80-130
KOSMO STIFFNER	60-200
KOSMO ENFOLD WHT	58-150
KOSMO ENFOLD LHT	58-150
KOSMO PREMIUM WHT	60-200
KOSMO PREMIUM CRM	60-200
KOSMO KODEXA	58-90
KOSMO KUPSTOCK	120-200
KOSMO KARD	68-200
KOSMO KARD YLO	68-200
KOSMO THERMIC	40-80
KOSMO SIPPS	60-120



Investor Presentation \*Available in Pink, Yellow, Green and Blue colours

### FUTURE GROWTH STRATEGY





Debottlenecking and upgrading plant operations to increase production capacity by ~ 25% and further optimize cost



Leveraging single use plastic ban by developing a portfolio of specialty products for a sustainable future



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Setting up Specialty paper machine to diversify product portfolio Harnessing the power of Industry 4.0 including IoT, AI and cloud computing for operational efficiency and optimal resource utilization



#### CORPORATE SOCIAL RESPONSIBILITY



Installation of Sewerage Treatment Plant at Saila Khurd, Bharatpur Jattan and Raniala.

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Tree Plantation in Government schools & Panchayat Lands.

Financial Assistance to Government Schools and hospitals in surrounding villages. Donated washing machine to local hospitals so the community can live healthier lives.

Installation of Solar Lights in surrounding villages.

Paving of roads and pathways.

Providing Fire Tender facility with staff in case of Emergency in surrounding Villages.

Actively participating in Swachh Bharat Abhiyaan through construction of prefabricated toilet facilities in surrounding villages.

Company run High School. Organizing Blood Donation Camps & Free Medical Check-up Camps.

Distribution of sewing machines to widows & differently-abled women in surrounding villages. Installation of RO systems with water Coolers for supply of drinking water free of charge in the vicinity of the mill.









**Co-Gen Power Plant Biomass** 

Biomass used in the Co-Gen

wild grass, wood dust, and

reliance on fossil fuels.

wheat straw dust, minimizes

GHG emissions and decreases

Power Plant, including rice husk,

Utilization

### KUANTUM FOR EARTH

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**Sustainability Commitment** Kuantum is deeply committed to sustainability, as reflected in guiding motto.

**Carbon Footprint Reduction** The company has taken significant measures to minimize its carbon footprint through the adoption of eco-friendly practices.

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**Clonal Propagation Center role** in Clonal Cultivation

Kuantum's on-site CPC plays a pivotal role in cultivating superior clones of fast-growing, high-yield pulp wood species like Eucalyptus, Poplar, Casuarina, Melia, and Subabul saplings.

Water Conservation Priority Deemed of paramount importance, Kuantum actively reduces fresh water usage through in-plant operations, emphasizing water reuse and recycling.

**Social Farm Forestry Program** Impact

Clones produced by the Clonal **Propagation Center are** distributed to the farming community at subsidized rates, creating an additional source of income and ensuring a future and sustainable supply of wood raw material for the company.

#### Wastewater Utilization Treated wastewater is utilized for irrigating over 2000 acres of farmland in nearby villages.







**Future Water Consumption Reduction Goal** 

Kuantum aims to achieve a nearly 35% reduction in water consumption in the future by incorporating the best available technologies.



#### **Industry Benchmark in Sustainability**

These focused efforts align with Kuantum's objective to set a benchmark in sustainable operations within the Indian Paper Industry.



## INDUSTRY OVERVIEW

### PAPER INDUSTRY

- The Indian paper industry accounts for about 5% of the world's production of paper. Currently, the Indian paper industry is valued at INR 80,000 crore, and it is highly fragmented with over 800 paper companies producing about 16 Million Ton of domestic paper every year.
- Domestic demand of paper and packaging stood at ~17 million MT in FY22. Paper companies expanded their geographical presence outside India to increase their sales powered by capacity expansion and improved quality of paper.
- In terms of share in total production, approximately 21% are based on wood, 71% on recycled fibre and 8% on agro-residues.
- Paper consumption in India is likely to witness 6% to 7% annual growth and will reach 30 Million Tonnes by FY 2026-27, largely driven by emphasis on education and literacy coupled with growth in organized retail.
- 100% FDI is allowed in the Indian Pulp and Paper Industry under the automatic route.
- In the last five to seven years, an amount of over Rs 25,000 crore has been invested in new efficient capacities and induction of clean and green technologies.
- The industry size of single-use plastics is estimated to be INR 10,000 crore. This move by the government will benefit all Indian paper mills to flourish their business.
- In India, only 15% of total paper and paperboard production is made from recycled materials, compared to a global average of 30% to 85%. As a result, there is a lot of potential for recycling in the paper business.
- As per IPMA, in volume terms, paper exports from India have gone up four times from 0.66 million tonnes in FY17 to 2.85 million tonnes in FY22. Similarly in value terms, the figures for corresponding years rose from INR 3,041 crore to INR 13,963 crore.





Source : IPMA, IBEF, Prep news, invest India

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# FINANCIAL OVERVIEW

### HISTORICAL INCOME STATEMENT



PARTICULARS (INR MN)	FY21	FY22	FY23	9M-FY24
Operational Income	4,039	8,304	13,096	9,124
Total Expenses	3,746	7,114	9,304	6,430
EBITDA	293	1,190	3,792	2,694
EBITDA Margins (%)	7.25%	14.33%	28.96%	29.53%
Other Income	100	38	36	26
Depreciation	348	462	454	360
Finance Cost	277	689	710	348
Exceptional Items	86		(634)	-
РВТ	(318)	77	2,030	2,012
Тах	(191)	(57)	668	513
Profit After Tax	(127)	134	1,362	1,499
PAT Margins (%)	NA	1.61%	10.40%	16.43%
Other Comprehensive Income	4	(2)	(5)	-
Total Comprehensive Income	(123)	132	1,357	1,499
Diluted EPS (INR)	(1.46)	1.54	15.60	17.18

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ASSETS (INR MN)	FY22	FY23	H1-FY24
Non-Current Assets			
Property, plant and equipment	14,006	14,068	14,350
Capital work-in-progress	289	306	374
Investment property	76	75	74
Other intangible assets		-	4
Financial assets			
Other financial assets	86	39	41
Income tax assets (net)	3	16	18
Other Non-current assets	148	259	332
Total Non-Current Assets	14,608	14,763	15,193
Current Assets			
Inventories	869	901	1,074
Financial assets			
Trade receivable	606	287	276
Cash and Cash equivalents	36	15	5
Other bank balances	130	157	169
Others financial assets	27	16	20
Other current assets	485	756	696
Total Current Assets	2,153	2,132	2,240
Total Assets	16,761	16,895	17,433

EQUITY & LIABILITIES (INR MN)	FY22	FY23	H1-FY24
Equity	at the set of		
Equity share capital	87	87	87
Other equity	8,218	9,581	10,397
Total Equity	8,305	9,668	10,484
Liabilities			
Non-Current Liabilities			
Financial liabilities			
Borrowings	6,448	3,678	3,260
Other financial liabilities	181	228	240
Provisions	12	13	15
Deferred tax liabilities (net)	13	1,172	1,228
Deferred income	55	49	47
Total Non-Current Liabilities	6,709	5,140	4,790
Current Liabilities			
Financial Liabilities			
Borrowings	1,176	1,450	1,425
Trade payables	357	258	399
Other financial liabilities	143	198	214
Other current liabilities	60	84	62
Provisions	2	3	9
Deferred income	5	3	3
Current tax liabilities (net)	5	91	47
Total Current Liabilities	1,748	2,087	2,159
Total Liabilities	8,456	7,227	6,949
Total Equity and Liabilities	16,761	16,895	17,433

### FINANCIAL HIGHLIGHTS















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### CAPITAL MARKET DATA





Price Data (31st December, 2023 )	INR
Face Value	1.0
Market Price	171.9
52 Week H/L	225.5 / 112.0
Market Cap (Mn)	15,000.6
Equity Shares Outstanding (Mn)	87.3
1 Year Avg Trading Volume ('000)	269.8



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