

An ISO 9001 & ISO 13485 Certified Company

Date: 13th February, 2024

То,	То,
BSE Limited ("BSE"),	National Stock Exchange of India Limited ("NSE")
Corporate Relationship Department,	"Exchange Plaza", 5 th Floor,
2 nd Floor, New Trading Ring,	Plot No. C/1, G Block,
P.J. Towers, Dalal Street,	Bandra-Kurla Complex, Bandra (East),
Mumbai – 400 001	Mumbai – 400 051
BSE Scrip code: 543399	NSE Symbol: TARSONS

Sub: Investor Presentation for the quarter ended 31st December, 2024

Dear Sir/Madam,

Pursuant to the provision of Regulation 30(6) of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed herewith the Investor Presentation for the quarter ended 31st December, 2023.

The Presentation will also be uploaded on the Company's website at www.tarsons.com.

We request you to kindly take the same on your records.

Thanking You,

Yours faithfully, For Tarsons Products Limited

Santosh Kumar Agarwal Company Secretary and Chief Financial Officer ICSI Membership No. 44836

Encl: As above





TARSONS PRODUCTS LIMITED

Investor Presentation February 2024



Safe Harbor



This presentation and

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Capex Update



Panchla Plant

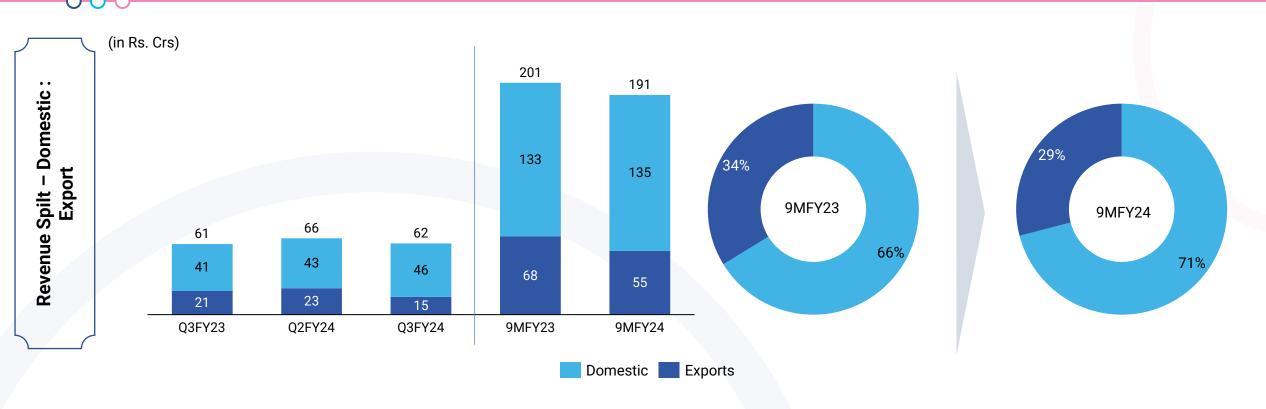
- Introducing cell culture and existing products capacity expansion
- Civil Construction completed
- First clean room is ready
- Awaiting some machines; already in transit
- First round of production expected in Q4FY24
- Cell culture and other products estimated to start commercial production in Q3FY25 in phased manner

Amta Plant

- Constructing Radiation Plant:
 - Signed the MOU with Board of Radiation & Isotope Technology (BRIT) for radiation plant
 - Sterile (Radiated) production will reduce dependency on our sole vendor in West Bengal
- Central Warehouse operations: Construction progressing well

Q3 & 9M FY24 Key Operational Highlights

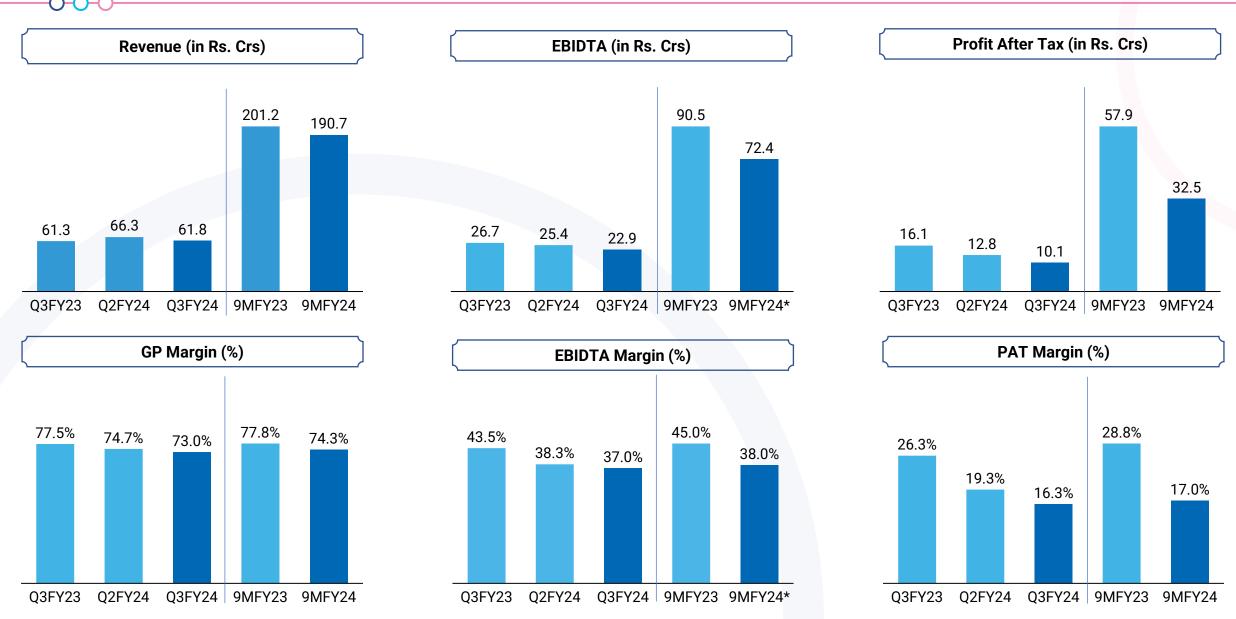




- Our revenues from domestic market for Q3FY24 stood at Rs. 46 crs as compared to Rs. 41 crs in Q3FY23, a growth of 14%. For 9MFY24, domestic revenues grew by 1% on y-o-y basis
- Our revenues from export market for 9MFY24 stood at Rs. 55 crs as compared to Rs. 68 crs in 9MFY23, de-growth of 18%
- > Of the total exports revenue; branded products contributed 44% & 56% was contributed by ODM sales in Q3FY24 and 38% & 62% in 9MFY24 respectively
- > Spilt across Domestic: Export revenues stood at 71:29 for 9MFY24

Q3 & 9M FY24 Key Financial Highlights





On Standalone Basis

*Adjusted for Rs. 2.8 crores one off expenses on account of due diligence for a potential acquisition which didn't fructify

Q3 & 9M FY24 Profit & Loss Statement



Profit and Loss (in Rs. Crs)	Q3FY24	Q3FY23	YoY	Q2FY24	QoQ	9MFY24	9MFY23	YoY
Revenue from Operations	61.8	61.3	0.8%	66.3	-6.8%	190.7	201.2	-5.2%
Cost of Goods Sold	16.7	13.8		16.8		49.0	44.7	
Gross Profit	45.1	47.5	-5.0%	49.5	-8.9%	141.7	156.5	-9.5%
Gross Profit Margin	73.0%	77.5%		74.7%		74.3%	77.8%	
Employee Cost	9.8	8.4		9.8		28.7	25.5	
Other Expenses	12.5	12.4		14.4		40.6	40.5	
Adj. EBITDA	22.9	26.7	-14.2%	25.4	-9.8%	72.4	90.5	-20.0%
Adj. EBITDA Margin	37.0%	43.5%		38.3%		38.0%	45.0%	
One off expenses*	0.0	0.0		0.0		2.8	0.0	
Reported EBITDA	22.9	26.7	-14.2%	25.4	-9.8%	69.6	90.5	-23.1%
Reported EBITDA Margin	37.0%	43.5%		38.3%		36.5%	45.0%	
Depreciation	10.1	7.2		9.7		28.1	20.2	
Other Income	3.4	3.4		2.6		8.2	9.8	
EBIT	16.2	22.8	-29.0%	18.3	-11.3%	49.7	80.0	-37.9%
Finance Cost	2.5	1.2		0.9		5.9	2.4	
Profit before Tax	13.7	21.6	-36.6%	17.3	-21.0%	43.9	77.6	-43.5%
Tax	3.6	5.5		4.5		11.4	19.7	
Profit After Tax	10.1	16.1	-37.5%	12.8	-21.4%	32.5	57.9	-43.9%
Profit After Tax Margin	16.3%	26.3%		19.3%		17.0%	28.8%	
EPS	1.89	3.03		2.41		6.10	10.88	

^{*} Rs. 2.8 crores one off expenses on account of due diligence for a potential acquisition which didn't fructify

Management Commentary







Rohan Sehgal
Whole Time Director

Commenting on the performance of the company Mr. Rohan Sehgal, Whole Time Director for Tarsons, said:

""In Q3FY24, our revenue was Rs. 62 crores, growth of 1% on y-o-y basis. Domestic demand is showing improvement, but exports declined due to lower demand in key markets. This was influenced by the slowdown in the life sciences industry and global recessionary trends. Despite these challenges, we remain optimistic, seeing better times ahead in the upcoming quarters.

In Q3FY24, our EBITDA stood at Rs. 23 crores, reflecting a 14% Y-o-Y decline, primarily due to decrease in export revenues from our key overseas market and change in the product mix. Additionally, our margins were impacted on account of the initial costs associated with our upcoming facility in Panchla, from which revenues are expected to commence in FY25 Looking ahead, as the industry improves, we anticipate leveraging our operations to achieve better margins.

Our recent strategic acquisition of Nerbe, a Hamburg-based distributor specializing in plastic labware products, enhances our global presence through channel partners, facilitating quicker access to larger markets. Nerbe serves as a gateway for expanding our footprint in Europe, accelerating our geographical growth in the long run.

Our future goal is to emerge as a leading global supplier of premium labware, adhering to international standards. This involves enhancing our production capabilities through facility expansions and establishing 'TARSONS' as a reputable brand within the life science community."

Balance Sheet





Assets (in Rs. Crs)	Sep-23	Mar-23
Non - Current Assets	543.7	473.7
Property Plant & Equipment's	254.0	217.7
CWIP	146.9	119.0
Other Intangible assets	0.4	0.5
Right of use asset	6.6	6.6
Financial Assets		
(i) Other Financial Assets	4.0	4.1
Current Tax Assets (Net)	3.9	2.2
Other Non Current Assets	127.9	123.6
Current Assets	205.0	252.0
Inventories	118.4	114.4
Financial Assets		
(i) Trade receivables	53.6	65.8
(ii) Cash and cash equivalents	23.7	59.1
(iii) Bank balances other than (ii)	0.0	0.9
Other Financial Assets	0.0	0.1
Other Current Assets	9.3	11.8
Total Assets	748.6	725.7

Equity & Liabilities (in Rs. Crs)	Sep-23	Mar-23
Total Equity	591.2	569.3
Share Capital	10.6	10.6
Other Equity	580.5	5 <mark>58</mark> .7
Non-Current Liabilities	91.7	93.5
Financial Liabilities		
(i) Borrowings	76.4	80.7
(ii) Lease Liabilities	0.0	0.0
(iii) Other Financial Liabilities	0.1	0.0
Other Non Current Liabilities	9.1	7.3
Deferred Tax Liabilities	6.1	5.4
Current Liabilities	65.8	62.9
Financial Liabilities		
(i) Borrowings	46.5	30.0
(ii) Trade Payables	9.3	9.6
(iii) Lease Liabilities	0.0	0.0
(iv) Other Financial Liabilities	5.1	15.5
Other Current Liabilities	3.0	3.9
Current tax liabilities (net)	0.0	1.9
Provisions	1.8	2.0
Total Equity & Liabilities	748.6	725.7

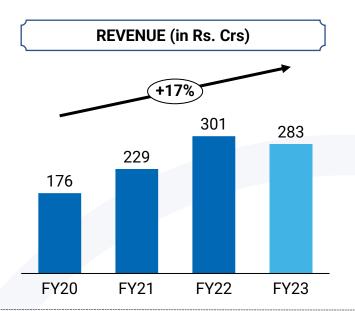
Cash Flow Statement

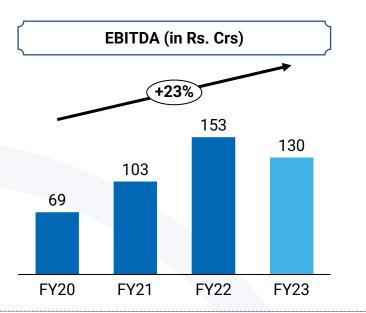


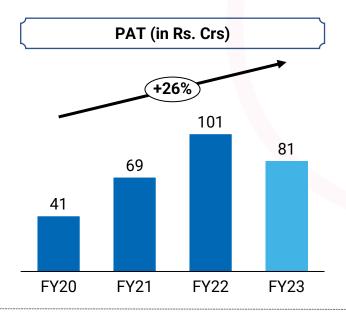
Particulars (in Rs. Crs)	H1FY24	H1FY23
Net Profit Before Tax	30.2	56.0
Adjustments for: Non -Cash Items / Other Investment or Financial Items	19.9	11.2
Operating profit before working capital changes	50.0	67.3
Changes in working capital	8.6	-20.7
Cash generated from Operations	58.6	46.6
Direct taxes paid (net of refund)	-10.6	-12.1
Net Cash from Operating Activities	48.0	34.5
Net Cash from Investing Activities	-92.4	-88.0
Net Cash from Financing Activities	9.0	38.9
Net Increase/Decrease in Cash and Cash equivalents	-35.4	-14.7
Add: Cash & Cash equivalents at the beginning of the period	59.1	77.4
Exchange difference on translation of foreign currency	0.0	0.0
Cash & Cash equivalents at the end of the period	23.7	62.8

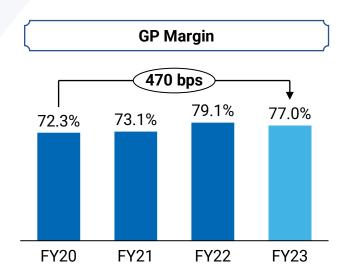
Historical Consolidated Financial Highlights

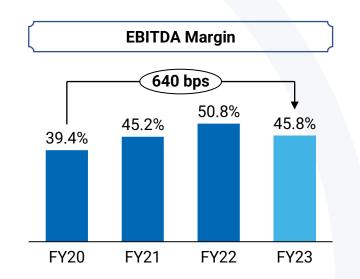


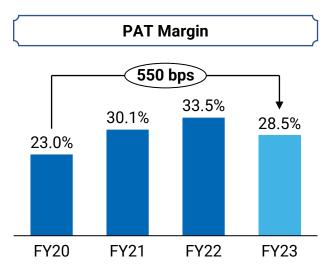












Historical Consolidated Profit & Loss Statement Trust DELIVERED



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Profit and Loss (in Rs. Crs)	FY23	FY22	FY21	FY20	CAGR (FY20- FY23)
Revenue from Operations	283.2	300.8	228.9	175.9	17.2%
Cost of Goods Sold	65.1	62.9	61.5	48.7	
Gross Profit	218.2	237.9	167.4	127.2	19.7%
Gross Profit Margin	77.0%	79.1%	73.1%	72.3%	470 Bps
Employee Cost	34.1	31.4	24.4	20.1	
Other Expenses	54.4	53.8	39.5	37.9	
EBITDA	129.8	152.7	103.4	69.3	23.3%
EBITDA Margin	45.8%	50.8%	45.2%	39.4%	640 Bps
Depreciation	28.5	22.0	13.7	14.2	
Other Income	11.9	8.5	5.4	4.2	
EBIT	113.2	139.2	95.2	59.2	24.1%
Finance Cost	4.5	4.2	2.7	6.1	
Profit before Tax	108.7	135.0	92.4	53.1	27.0%
Tax	28.0	34.3	23.6	12.6	
Profit After Tax	80.7	100.7	68.9	40.5	25.8%
Profit After Tax Margin	28.5%	33.5%	30.1%	23.0%	550 Bps

Historical Consolidated Balance Sheet





Assets (in Rs. Crs)	Mar-23	Mar-22	Mar-21	Mar-20
Non - Current Assets	473.7	299.7	183.1	128.9
Property Plant & Equipment's	217.7	181.4	113.7	87.6
CWIP	119.0	32.2	21.5	19.3
Other Intangible assets	0.5	0.7	0.0	0.0
Right of use asset	6.6	6.7	6.8	4.4
Intangible Assets under development	0.0	0.0	0.6	0.0
Financial Assets				
(i) Other Financial Assets	4.1	5.9	3.1	2.2
Current Tax Assets (Net)	2.2	2.5	2.4	1.8
Other Non Current Assets	123.6	70.3	35.1	13.5
Current Assets	252.0	244.5	112.8	119.8
Inventories	114.4	82.4	46.7	48.7
Financial Assets				
(i) Trade receivables	65.8	65.2	47.0	38.2
(ii) Cash and cash equivalents	59.1	77.4	2.3	25.3
(iii) Bank balances other than (ii)	0.9	8.4	0.8	0.9
Other Financial Assets	0.1	0.1	0.0	0.0
Other Current Assets	11.8	11.1	15.9	6.7
Total Assets	725.7	544.2	296.0	248.7

Equity & Liabilities (in Rs. Crs)	Mar-23	Mar-22	Mar-21	Mar-20
Total Equity	569.3	489.9	244.3	197.6
Share Capital	10.6	10.6	0.2	0.2
Other Equity	558.7	479.2	244.1	197.4
Non-Current Liabilities	93.5	19.5	9.8	10.7
Financial Liabilities				
(i) Borrowings	80.7	9.3	3.3	5.9
(ii) Lease Liabilities	0.0	0.0	0.0	0.0
(iii) Other Financial Liabilities	0.0	0.1	0.1	0.1
Other Non Current Liabilities	7.3	5.6	3.2	1.5
Deferred Tax Liabilities	5.4	4.4	3.3	3.2
Current Liabilities	62.9	34.9	41.8	40.4
Financial Liabilities				
(i) Borrowings	30.0	12.3	30.2	30.0
(ii) Trade Payables	9.6	13.0	6.0	5.9
(III) Lease Liabilities	0.0	0.0	0.0	0.0
(iv) Other Financial Liabilities	15.5	3.5	2.7	1.9
Other Current Liabilities	3.9	4.7	1.4	1.5
Current tax liabilities (net)	1.9	0.0	0.0	0.0
Provisions	2.0	1.5	1.5	1.1
Total Equity & Liabilities	725.7	544.2	296.0	248.7

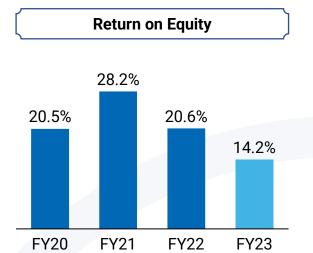
Historical Consolidated Cash Flow Statement

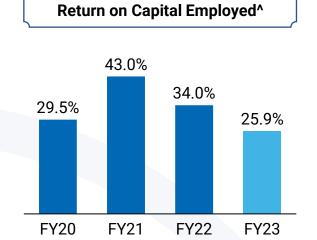


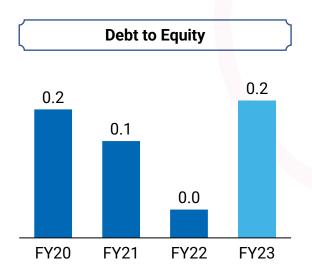
Particulars (in Rs. Crs)	FY23	FY22	FY21	FY20
Net Profit Before Tax	108.7	135.0	92.4	53.1
Adjustments for: Non -Cash Items / Other Investment or Financial Items	27.5	23.7	15.8	20.0
Operating profit before working capital changes	136.2	158.7	108.2	73.1
Changes in working capital	-36.3	-41.8	-16.0	6.4
Cash generated from Operations	99.9	116.8	92.2	79.5
Direct taxes paid (net of refund)	-24.3	-33.4	-24.1	-15.3
Net Cash from Operating Activities	75.6	83.5	68.2	64.2
Net Cash from Investing Activities	-178.5	-137.9	-63.9	-25.4
Net Cash from Financing Activities	84.6	129.6	-27.2	-13.8
Net Increase/Decrease in Cash and Cash equivalents	-18.4	75.1	-23.0	25.0
Add: Cash & Cash equivalents at the beginning of the period	77.4	2.3	25.3	0.5
Exchange difference on translation of foreign currency	0.0	0.0	0.0	-0.2
Cash & Cash equivalents at the end of the period	59.1	77.4	2.3	25.3

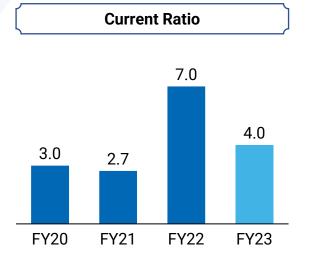
Key Consolidated Historical Ratios

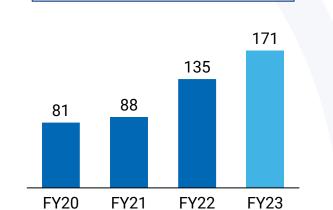




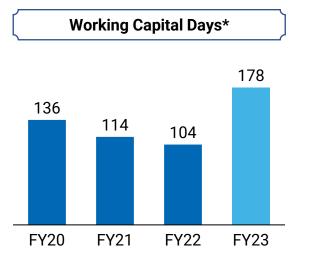








Working Capital* (in Rs. Crs)

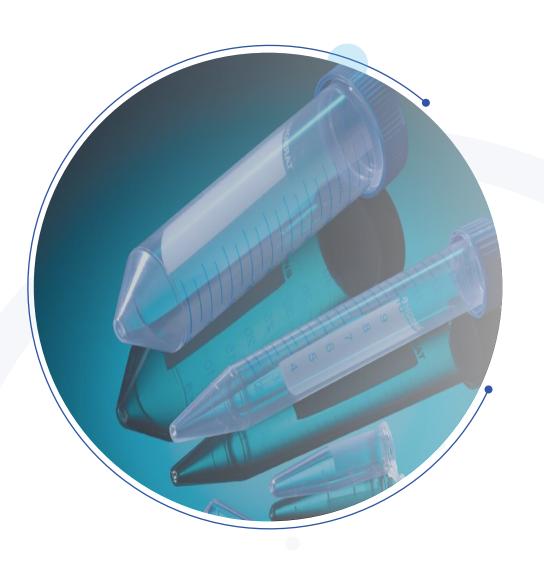




Tarsons - at a Glance









One of the **leading Indian labware company** engaged in the designing, development, manufacturing and marketing of consumables, reusables and others (including benchtop equipment & instruments)



Products used in laboratories across research organizations, academia institutes, pharmaceutical companies, CROs, diagnostic companies and hospitals



40+ years of experience in the life sciences industry delivering trusted high-quality products.



Robust market share in the highly fragmented Indian labware market*



Diversified product portfolio with 1,700+ SKUs across 300 product segment



5 vertically integrated manufacturing facilities in West Bengal



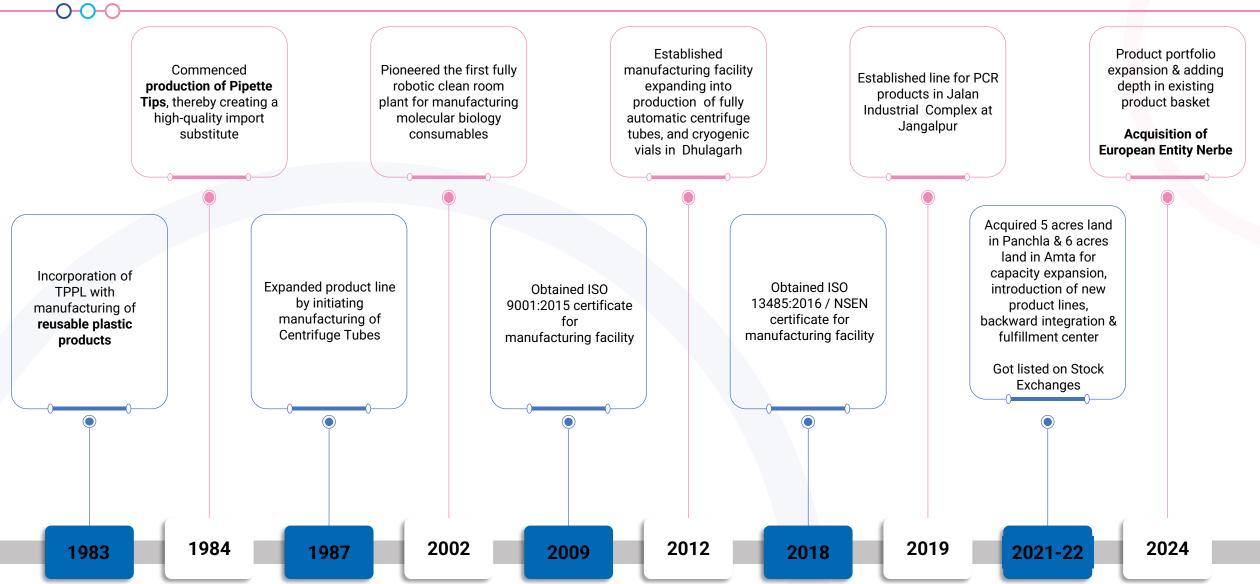
Pan-India distribution network with long-standing relationships with the distributors



One of the few players in India to have a **global reach**# in the labware market with 45+ authorized distributors & partners **supplying products to over 40 countries**

Our Journey





Leading Indian Labware Supplier



Trusted Brand for high quality products in the plastic labware market with 40+ years vintage in the industry

Expertise in production of a wide range of labware products & **amongst the top 3 players** with a robust market share*

Ability to offer differentiated, user friendly, reliable quality & cost-effective products has **enabled strong brand** recognition & customer loyalty



Individual product brands like

Maxipense, Spinwin, Cryochill are
well-recognized by the scientific
community

Pioneered the first fully automated plant for manufacturing molecular biology consumables

In-house engineering team

driving innovation & ensuring exceptional liquid handling performance across the liquid handling products

Our Competitive Edge





Catering to diversified End User Industry...





iCell INC

FC-BIOS SDN BHD

Avantor, Inc.

Exports Market

6

Toei Kaisha

Limited

entrenched relationships

21

Our State-of-the-art Manufacturing Facilities...











Units	Land Area (in sq. mts.)	Ownership	Mfg Revenue Contribution (FY23)
Burroshibtolla I	530	Leased	5.04%
Burroshibtolla II	1,022	Leased	7.18%
Kasba	515	Leased	3.38%
Jangalpur	15,142	Owned	62.12%
Dhulagarh	4,047	Leased	22.27%
Panchla	21,550	Owned	-
Amta	24,280	Owned	-

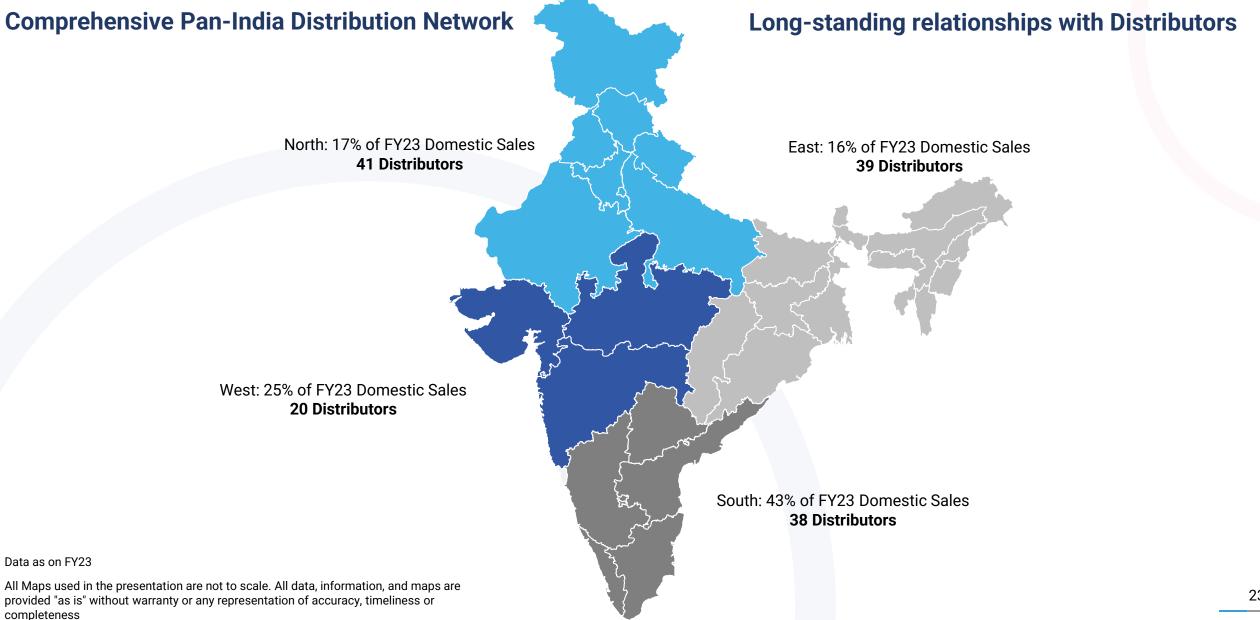
Upcoming Facility

Key Highlights of the High Precision Manufacturing Process

- ✓ Vertically integrated manufacturing capabilities with design & development being carried out in-house
- Automated manufacturing with use of robotics & other technologies developed in collaboration with overseas partners
- **Production process free from human touch** & thus helps to achieve the **desired levels of purity** required for use in life sciences products
- Manufactured in clean aseptic environment; manufacturing process is carried out in fully-validated & 3rd-party certified ISO 8 clean rooms
- Quality Certifications: ISO & CE certifications
- In Amta, West Bengal, the Company is expanding in some key products and developing a new fulfillment center with in-house sterilization capability
- Company is expanding into new product categories and capacity expansion at upcoming production facility in Panchla, **West Bengal**

... with widespread Domestic Sales & Distribution network...





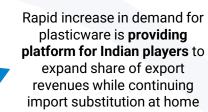
... with huge underlying Export Market Potential... 🕡



Huge Export Opportunity Market

Demand for plasticware expected to grow at 10% CAGR for developing markets like APAC & MEA, developed markets like Americas & Europe also expected to grow healthy

Factors such as supplier reliability, cultivating new relationships, deepening existing relationships and meeting demands in timely manner will enhance the export market share

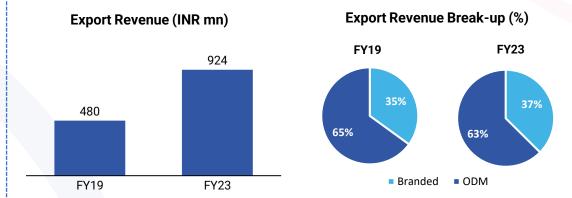


Established Indian players can further expand export market share on back of high-quality & reliable products with enhanced R&D and independent design & customization capabilities

Domestic companies in India can take advantage of their **competitive pricing** in order to capture larger share of global market

One of the very few players to have a Global Reach

- ✓ As of 31st March 2023, the company sold its products to 40+ countries via
 45+ distributors
- ✓ Export operations are a blend of branded and ODM sales
- ✓ Under the ODM model, the product is independently designed & developed by the company as per the requirements given & then sold to the respective brand owners



Key Overseas Clients (ODM Sales)







Toei Kaisha

... offering Wide Range of High-Quality Products... 🕡



Our products are made from high-quality medical grade DMF registered resins which are selected to minimize additives & reduce potential leachables

Consumables

56% of FY23 Revenues

- Portfolio of products under this category include:
 - Centrifuge ware
 - Cryogenic ware (tubes & accessories)
 - PCR consumables (tubes, plates, and strips)
 - Petri dish
 - Pipettes



Reusables

39% of FY23 Revenues

- Portfolio of products under this category include:
 - Bottles & Carboys
 - Beakers
 - Measuring cylinders
 - Racks
 - · Others (jars, desiccators etc.)
 - High quality standards maintained to ensure the products are leakage proof through specially designed lip-sealing geometry



Others

5% of FY23 Revenues

- Products under this category includes benchtop instrumentation such as:
 - Vortex shakers
 - Centrifuges
 - Pipettors
- These products enable molecular works of cell collection, extraction, simple spindown and f-tube separation







...diversified product portfolio of Plastic Labware

Pipette Tips



Mostly used research work for transferring small volume of liquids with high precision

Centrifuge **Tubes**



Perfect for versatile applications, these are used for storage, spinning down separation colloidal solution

Petri Dishes



- · Mostly used in culture microbes sensitivity assays Used once & discarded
- which optimizes time consumed in washing and sterilizing

Sterile Media **Bottles**



Suited to preparation & containment of buffers, cultures or prolonged storage of pH sensitive liquids such as culture media

Cryo Vials



Used for storage of biological materials at temperatures as -196°C low as (vapour phase of liquid nitrogen) to 121°C

Storage Vials



Designed for use with samples from -80°C to 121°C. Used for storage of PCR reagents, enzymes & other diagnostics, biochemical reagents or samples

Serological Pipette



Disposable pipettes for tissue culture, microbiological and research various applications. Certified DNase. RNase, and Pyrogen free

Bottles



- containment. protection and transportation of various kinds of reagents
- Leakproof, strong and durable

Carboys



Used for media formulation and mixing, aseptic protocols, stirring and storage of intermediates

Beakers



- Used for mixing; graduations are approximate and not intended for accurate liquid measurement
- Economical enough to discard after one use, or strong enough to reuse

Cylinders



Used to measure the volume of a liquids, chemicals, and solutions during daily lab work

Benchtop Instruments



- Wide variety products which include benchtop instrumentation like vortex shakers, centrifuges, pipettors
- Enable molecular works of cell collection, extraction, simple spin-down and f-tube separation

Glimpse of our product portfolio & processes







Video link - Click here



Video link - Click here



Video link - Click here





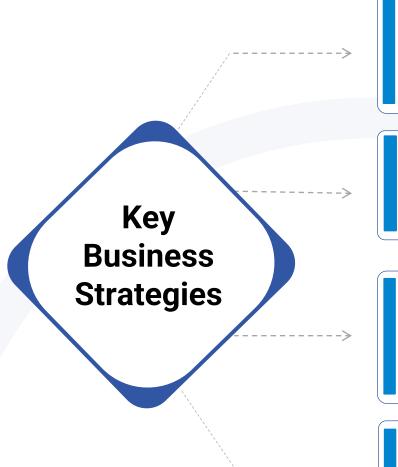
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Key Business Strategies







Enhance existing & expand product portfolio



Enhance manufacturing capacities to leverage growth



Increasing presence in overseas markets



- Focus on **branding & promotion** to enhance visibility in the labware industry to increase brand awareness & loyalty
- **Manufacture New Products** in the cell culture & robotic handled consumables and expand into the import dominated markets of these products
- Leverage the advantage of "Make in India" and grow our domestic sales vis-à-vis exports
- Expand manufacturing capacities in popular product categories like liquid handling, centrifuge ware, & cryo ware through additional machines, moulds and ancillary infrastructure
- Acquired 5 acres of land to develop a new manufacturing facility in Panchla, West Bengal to **expand & enter into the new product segment** comprising of cell culture
- Also, acquired 6 acres of land at Amta to develop fulfilment center, radiation facility and manufacture few products
- Plans to **export to ~120 countries in the next 5-10 years** through the extensive experience and proven track record of catering to overseas customers
- Acquired Nerbe, a Hamburg-based distributor specializing in plastic labware products
- Two-pronged approach:
- Branded sales targeting emerging markets such as Asia Pacific, Middle East and South America
- **ODM sales** to supply products to developed markets such as USA and Europe
- Implemented strategic cost-saving and efficiency improvement processes such as advanced automation solutions to improve productivity which resulted in a ~26% PAT CAGR from FY20 to FY23
- Continue to invest in automation in order to avoid human error & consequently improve throughput

Experienced Board of Director & Managerial Team



Sanjive Sehgal Chairman & Managing Director

- Chairman & Managing Director of Tarsons Product Limited
- · Has over 31 years of experience in the company



Rohan Sehgal Whole Time Director

- · Whole-time Director of the company
- Has over 8 years of experience working in the company



Santosh Agarwal
Chief Financial Officer & Company Secretary

- Qualified as a Chartered Accountant & Company Secretary
- Has over 21 years of experience



Gaurav Podar
Non-Executive Nominee Director

- · Currently, Director with ADV Partners
- Investment professional with 11+ years of experience



Girish Vanvari Independent Director

- Founder of Transaction Square a Tax, Regulatory & Business Advisory Firm
- Oualified as a Chartered Accountant



Sucharita Basu Independent Director

- Co-founder AQUILAW
- 21+ years of experience in commercial & corporate agreements, capital markets & real estate



Viresh Oberai Independent Director

- 22+ years experience with Tata Steel
- Conferred with "Udyog Rattan" award from Indian Economics Society

Contribution towards Environmental, Social & Governance



Clean room conditions

eliminates all chances of contamination

Productivity optimisation with use of **high automation**

Use of **Medical Grade**

Plastics. Products are designed to withstand critical use

NO Hazardous materials consumed

NO litigations faced for pollution or degradation of environment over the past five years

NO impact of Climate change

Employee Welfare: Multipronged approach towards employee development. Company has **NOT** witnessed any employee unrest / strikes or lockouts since inception

Some of the CSR activities has been directed towards **TATA Cancer**Hospital & Narayana
Hrudayala

The Board has an optimum combination of Executive and Non-Executive directors

Company has **Clean Track Record** of Liability payments to various stakeholders

Regular **Review & Updation** of policies for change requirements.

Whistleblower policy implemented

DELIVERING TRUST



Industry Update







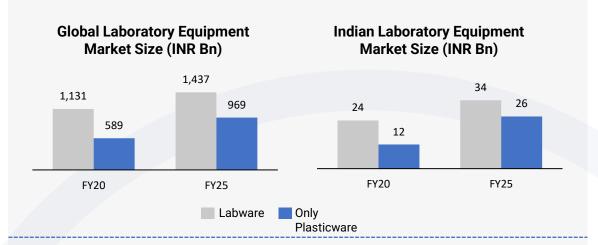


Plastic Labware Market



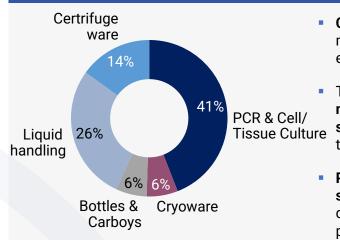


Indian plastic labware market is expected to grow at 16% CAGR from 2020-2025

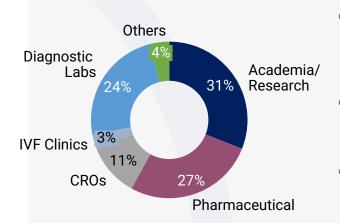


- Expected increase in investments by various pharmaceutical majors to advance research into various chronic diseases treatment
- COVID-19 pandemic has led to an increase in long term demand for laboratory investigations, vaccine development activities and clinical trials
- Key growth drivers of the Indian market include:
 - Urbanization & growing middle class coupled with sedentary lifestyles are resulting in increasing incidence of chronic diseases which in turn drive healthcare research & demand for labware products
 - Highly underpenetrated healthcare sector provides significant room for growth
 - Growth in pharmaceutical R&D outsourcing to India will serve as a huge catalyst for the labware space

Split of Global Market Size of Plastic Labware (2020)



- Centrifuge & Liquid Handling market dominate the Laboratory equipment market
- The automated liquid handling market is anticipated to witness a significant market growth during the forecast period
- PCR product segment has seen a strong growth lately due to high demand on account of the pandemic

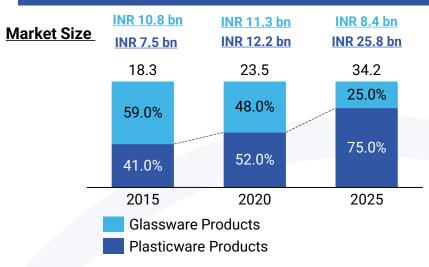


- The Academia/Research and Pharmaceutical segments contribute to majority of the end use making up ~60%
- With strong increase in outsourcing by pharma companies, CROs are expected to grow strongly
- Diagnostic labs are expected to grow at a robust pace on account of increasing awareness and need of testing

Rapid Shift from Glassware to Plasticware in



Indian Laboratory Equipment Market (Breakup of Glassware and Plasticware segments)

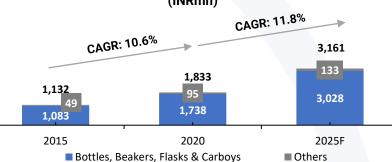


Key reasons for the shift:

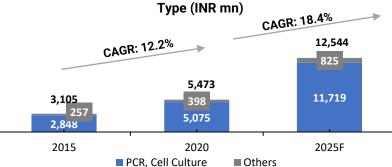
- Increased Applicability: Superior ability to handle radioactive isotopes, hazardous & carcinogenic chemicals or substances
- Enhanced Safety: Inherent characteristics of plasticware including thermo-stability & safety of laboratory personnel in case of accidents
- Less Contamination: Samples stored in glass containers are prone to contamination due to leaching of inorganic
 ions into aqueous solutions or exposure to light in case of light-sensitive materials; thus, making plasticware a
 preferred choice vis-à-vis glassware
- **Ease of Handling :** Plastic Labware is significantly lighter in weight and much easier to handle over long hours than glassware
- Durability: Plastic equipment is unbreakable & has a longer shelf life as well allowing for better use & flexibility to scientists & researchers
- Cost Effective: Plastic Labware is more cost effective than glassware

India Plasticware Laboratory Consumables Market by Product Type (INR mn) CAGR: 15.2% CAGR: 8.6% 1.167 3,698 3,279 332 1,253 1,883 4,938 2.395 1.622 2015 2020 2025F ■ Centrifuge Ware Liquid Handling Cryoware Others

India Plasticware Laboratory Reusables Market by Product Type (INRmn)



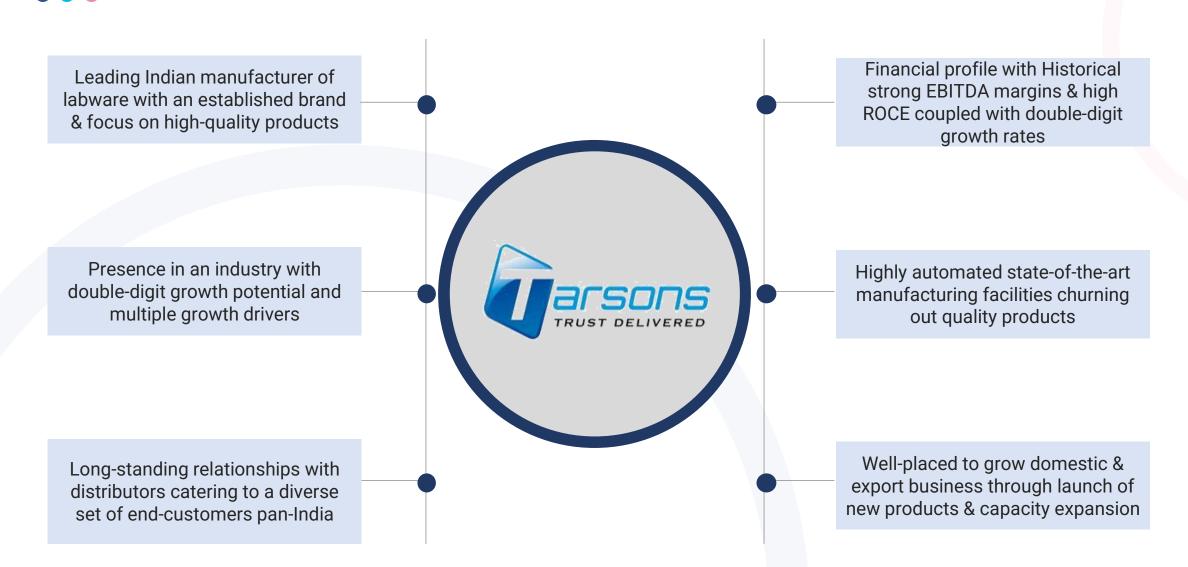
India Plasticware Laboratory PCR/Cell Culture Market by Product



- Centrifuge ware is largest segment within consumables with 48% market share
- Increased investments in life sciences sector including omics research, advanced healthcare, microbiology, drug development, and clinical diagnostics are key factors supporting higher usage of laboratory products
- India being a vaccine manufacturing hub is also a driving point for use of laboratory ware especially consumables for quality testing and approvals
- India being price sensitive country prefers plastic reusables as they have long shelf life in addition to being unbreakable and inexpensive as compared to glass
- Increase in automation in biotech & diagnostic labs will boost demand for plasticware reusables where storage and machine handling requires products with better flexibility and dexterity
- Cell / Tissue Culture is high end, large & growing market in India with huge potential for growth
- Increase in R&D in field of cell engineering is also expected to propel growth of cell culture supplies market
- Stringent license and accreditation procedures involved with maintaining cell cultures allow only specific companies to operate in the market

Key Takeaways





Thank You



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Strategic Growth Advisors Private Limited

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