



Manjushree 2.0
ADVANCED PACKAGING SOLUTIONS

Manjushree Technopack Limited



Introducing Manjushree Technopack Limited 2.0



Manjushree is **India's largest Rigid plastic packaging** producer



Serving containers, preforms, closures, pumps, pails for more than 4 decades, we today have the largest capacity in both containers and preforms



20 manufacturing facilities to serve our customer across geographies



Strong and long lasting relationship with major Indian and Global brands



Our **4000+ customer & stock products** serve customers across multiple segments



Run by a **professional management** team & governed by independent **high calibre Board of Directors**



Employee Centric Approach – Collaboration, Agility, Customer responsiveness, motivation & leadership development

*Geographically spread to serve
all locations across India*



MTL Story

Kedia brothers start plastics business under aegis of "Manjushree"

1978



MTL forays into flexible plastic packing, with the first factory - Guwahati, Assam; Manjushree Technopack Limited incorporated

1987



MTL expands into rigid plastic packaging - greenfield facility in Bangalore, Karnataka

1996



2003



MTL introduces the multilayer Co-Ex barrier & Hot fill PET Technology in India, a pioneering innovation

2010



MTL becomes India's largest PET preforms & bottles manufacturer.

2011



MTL unveils their Sustainability Vision' and commissions a 3.4MW Wind Energy Farm

2013



With the Bidadi preform production plant, MTL becomes SE Asia's largest PET converter

MTL acquires 100% business of Hitesh plastics, entering the highly specialized caps & closures market

2022



MTL acquires the B2B Business of Pearl Polymers and Classy Containers, thus adding further to its manufacturing footprint and capabilities

2021



Sets up a greenfield manufacturing facility in Silvassa (West India). Sets up a plastic recycling in South, under the brand "Born Again".

2020



2019



MTL acquires Napla - India's largest pumps & triggers manufacturer.

2018



Advent International acquires MTL - changing from a promoter-run to a professional managed company.

2017



MTL sets up a greenfield manufacturing facility in Guwahati, Assam.

2016



MTL acquires 100% B2B business of Varahi Limited, strengthening their presence in North India

Best-in-Class Asset Base with High Quality Standards

Best-in-Class Equipment

HUSKY®

Sidel

SACMI

AOKI

Reifenhäuser

MILACRON®

**KAUTEX
MASCHINENBAU**

ASB
Form Your Vision

TECHNE®

TOSHIBA

FANUC

State-of-the-Art
Manufacturing
Capabilities

Breadth of Technology Platforms



Preform
Injection
molding



Preform,
ISBM, IMM,
Film



Compression
molding



Injection
molding



Injection
Blow
molding



Film
Extrusion



Extrusion
Blow molding



Barrier
Co-extrusion

Significant Scale of Operations

Region	Location	Capacity(MTPA)	Technology
South	Bangalore	105,000	Preform, ISBM, IMM, Film
South	Bangalore	24,000	ISBM, IMM, EBM, IBM
North	Pantnagar	20,000	EBM, ISBM, Preform, IMM
North	Baddi	15,000	EBM, ISBM, IMM
East	Guwahati	4,000	ISBM, EBM, Preform, IMM
North	Manesar	2,000	EBM, IMM, ISBM
West	Silvassa	5,000	ISBM, EBM, IMM
North	Amritsar	NA	IMM
West	Jalgaon	18,000	CM, IMM

Certifications & Standards

Quality
Certificates



intertek
P1100, W11, W11.1

Environment &
Sustainability



Vendor
Certifications



CERTIFIED BY
COKE AND PEPSI

L'ORÉAL



Regulatory
Certifications



US FDA Certified



One stop Shop for Multi-Technology Platforms ...



ISBM

Injection Stretch Blow Molding of PET Jars and Bottles, PP and HDPE bottles



EBM (multilayer)

For PP / HDPE bottles and containers including Angular neck bottle Co-extruded six and four-layer Barrier container



COMPRESSION

Sacmi technology for Precision closures for CSD and water application



IM

Injection Molding of caps, closures & Other promotional giveaways



IML

For thin wall containers for ice-cream, curd & other applications



Recycled Resin

High quality rHDPE and rPP granules which can be used up to 100% dosing



IBM

Clean sterile containers (less than 250mm) for Various pharma and food industries



SHRINK FILM

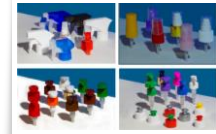
Reifenhauser, State-of-the-art blown Films for shrink and Lamination application



POST MOULDING

DECORATION Wadding, Sleeving, 3D Printing & Labeling, IML & pad printing

..... Complemented by a Broad Product Portfolio



PET/PP Bottles

Thick PET Bottles

Wide Mouth Containers

Angular Neck Bottles

Multilayer / Squeezable Bottles

Sterile Containers less than 250 ml

PP Containers

LED Diffusers, Housings & Holders

Pumps, Dispensers and Trigger Sprays

Caps and Closures

Application

Beverages, Liquor, Pharma, Agro, Confectionery

Cosmetics, Liquor

Food products, Dairy

Home care products

Sauces and condiments

Pharma, Nutraceuticals

Malt-based drinks, Promotional products

Electrical products

Personal care, Pharma, Cosmetics

Beverages, Water, Juices

Resin

PET / PP

PET

PP / HDPE

PP / HDPE

PP / HDPE with EVOH / nylon barrier

PP / HDPE

PP / HDPE

Polycarbonate

PP/ LDPE / LLDPE

HDPE / PP

Technology

Injection stretch blow molding

Injection stretch blow moulding

Extrusion blow molding

Extrusion blow molding

Barrier co-extrusion molding

Injection blow molding

Injection molding

Customized injection blow technology

Injection moulding

Compression Moulding, Injection moulding

Operating in multiple Segments



FOOD PRODUCTS

Over 350 varieties in various Shapes and sizes and other SKU family options



EDIBLE OIL

Multiple options in CTC, novel and others



BEVERAGES

Range of preforms from 200ml to 2.5l. Option of color, smoky appearance available



DAIRY PRODUCTS

Retains freshness, Protects food and Extends shelf life



PICKLES & SPICES

Options with dispensers, sprinklers and specialty closures



HEALTH DRINKS

Wide range of designs serving the biggest names in health drinks



HEALTH DRINKS

Wide range of designs serving the biggest names in health drinks



SAUCES & CONDIMENTS

Barrier layer retains flavor, Taste and aroma by protecting from oxidation and moisture



LUBES

Auto & Industrial lubes bottles & cap available with ability to customize design development



AGROCHEMICALS

Monolayer and Barrier. Container options in PET / PP and HDPE



PERSONAL CARE

Clean and simple design with various dispensing options



HOME CARE

Versatile designs, Convenient & user -friendly



LIQUOR & SPIRITS

From 60 milliliters To 2 liters in Attractive shape



PHARMA

Safe, child-resistant and regulatory compliant



NUTRACEUTICALS

A wide range of safe and hygienic containers in innovative designs manufactured in clean room environment



PROMOTIONAL ITEMS

Attractive range of daily use products in Innovative designs to suit all your brand promo requirements



RETAIL

Comprehensive range of food safe containers for the modern kitchen



LED

Customized technology with Advanced material LED Diffusers, housings & holders

Container Division

**Delivering
2500Mn
containers
every year**

- Containers from 9 ml to 20 ltr
- Neck sizes from 14 mm to 120 mm
- 600+ design options
- 24/7 operations
- GMP certified ISO 9000 facility



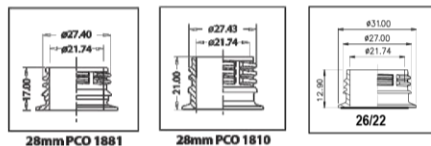
PREFORMS DIVISION

Leveraging our wide product portfolio across pack type and fill volume



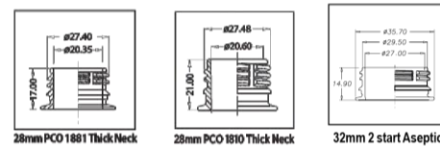
Sparkling Beverages

- Widest application offering (150ml - 3000ml)
- HUSKY platform - Highest Quality & Consistency
- All Necks for CSD Application



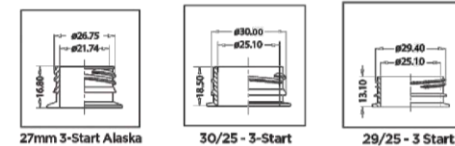
Hot Fill / Juices

- Widest application offering (250ml - 1500ml)
- Offerings On both platforms, TN & PCOI 881
- Aseptic 32mm preforms



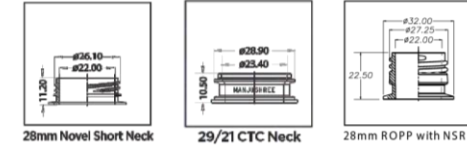
Water

- Widest application offering (200ml - 2000ml)
- HUSKY platform - Highest Quality & Consistency
- All necks for water application



Edible Oil

- Offering on both solutions CTC & NSN neck types
- Application offering from (200ml - 1000ml)



MTL Caps & Closures division



Engaged in business of Compression moulded caps made from SACMI machines & injection moulded caps



Having two state of art facilities at Jalgaon, Maharashtra



Production capacity of more than 6.7 billion closures per annum



Supplying caps and closures to beverages like soda, water, Juice, Milk, sauces, sanitizer industry globally

About



Having closures from 19mm to 38mm suitable to various application and neck



First company in India to manufacture recyclable valve for two ways caps suitable to downside bottle



First one to make Pocket spray for ENGAGE brand of ITC and exclusive supplier for ITC



Exporting to Sri Lanka, Dubai, Africa countries



Online and offline camera system helps us to supply zero defect closures to clients



Marquee global and Indian beverage brands endorse our products



CSD 1881 – 2 Piece Closures with Liner (2.5 gm & 2.75 gm light weight)



CSD 1881 Single Piece Closures



Alaska 27mm (1.35 gm & 1.5 gm Closures)



27ml Closures



30/25 Closures



20L Closures



25mm Closures



25mm Closures

MTL Pumps & Dispenser Division



Engaged in manufacturing of spraying and dispensing solution



Automated facility at Amritsar and Baddi, India



Production capacity of more than 6,00,000 units per day



Supplies to all leading FMCG companies in India

Products Offered

Lotion Dispenser pumps (Screw down)

Lotion Dispenser pumps (Left – right pump)

4CC Pumps – 28mm and 33mm

All Plastic Pumps

Foamer Pumps

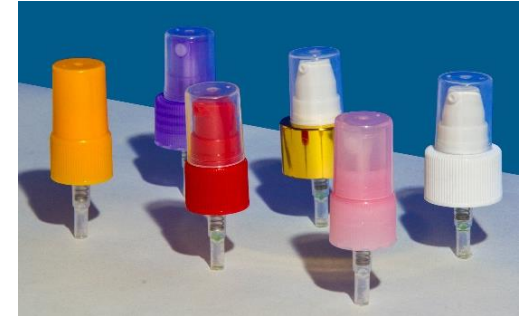
Trigger Sprayers

Card / pocket Sprayers

Cosmetic pumps / sprayers

Disc-top caps

Flip-top caps



Long Standing Relationships with Customers Across Key End Markets

Containers

Preforms

				
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Pumps & Dispensers

									
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Caps & Closures

Design to Delivery

Manjushree has a tailored approach to fulfill customer needs – from early design to commercial production – to reduce lead times, accelerate customer product launches, and reduce overall cost for customers.

New Idea

3-D Modelling
& Refinement

Engineering
& Drawings

Rapid
Prototyping

Pilot Tools
and Trials

Commercial
Production

Design

- **In-house design capabilities** from ideation research to conceptual design
- **Developing low cost India innovation ("INDOVATION")** solutions for the customer with significant investment in research & development and cutting edge technology
- **R&D department recognized by** the Department of Scientific & Industrial Research (DSIR) under the Ministry of Science & Technology, Government of India



Jar Library

The best of the world of packaging in a single room

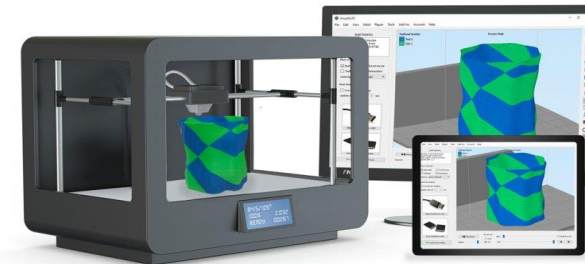


Sparsh Centre

Over 180 proprietary designs

Validation

- **In-house tool shop** ensures quick customization to molds
- **3D printing capabilities** to ensure fast and accurate turnaround time of designs
- **Rapid prototyping** supports easy decision making
- **Smaller machines for trial lots** and to test and validate molds
- **Expertise in troubleshooting**



Validation

- High quality best **in class manufacturing** capabilities and capacities
- **Quality and consistency** in production
- **Fail safe detection** and 100% backup of critical equipment
- **Advanced automation** to reduce human error



Some of our Existing Facilities

South – Bidadi, Bangalore



FY2013

ISBM

IMM

2 Stage

Preform

HUSKY

ASB
Form Your Vision

Reifenhäuser

South – Bommasandra, Bangalore



FY2003

ISBM

EBM

2 Stage

Multilayer

ASB
Form Your Vision

SPEEDEX

KAUTEX
A Textron Company

East – Guwahati



FY2017

ISBM

EBM

IMM

Preform

ASB
Form Your Vision

MILACRON

West – Silvassa



FY2019

ISBM

EBM

IMM

Preform

ASB
Form Your Vision

MILACRON

North- Baddi, Himachal Pradesh



FY2001

ISBM

IMM

EBM

ASB
Form Your Vision

Pantnagar, Uttarakhand



FY2011

ISBM

IMM

EBM

2 Stage

ASB
Form Your Vision

SPEEDEX

Manesar, Haryana



FY2018 (shifted from Noida)

ISBM

IMM

EBM

2 Stage

ASB
Form Your Vision

Amritsar, Punjab



FY2020 (Acquired Napla)

IMM

Pumps

Dispensers

Trigger Sprays

TOSHIBA MACHINE

MANUFACTURING FACILITY

Manjushree 2.0
ADVANCED PACKAGING SOLUTIONS



DELIVERY

ISO & FSSC compliant facilities 24X7 operations

Quality & Consistency in production

Fail Safe detection and 100% backup of critical equipment

Highly trained and motivated workforce
Advanced automation to reduce human error



Bangalore Unit - CLEAN ROOM IMAGES



Certifications and Accreditations

FSSC 22000

ISO 9001:2015

DMF Certification for FDA

DNV-GL

MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 197731-2016-FSMS-IND-RVA Initial date: 25 April 2016 Valid: 25 April 2019 - 29 June 2021

This is to certify that the management system of

Manjushree Technopack Limited
60 E & F, Bommasandra Industrial Area, Hosur Road, Bangalore - 560099, India

has been assessed and determined to comply with the requirements of
FOOD SAFETY SYSTEM CERTIFICATION 22000

Certification scheme for food safety management systems consisting of the following elements: ISO 22000:2005, FSSC 22000 V4.1 - ISO TS 22002-4:2013 (Packaging) and additional FSSC 22000 requirements.

This certificate is applicable for the scope of:
Manufacture of plastic preforms, rigid containers, closures and moulded articles for food products. Category 1

The certification system consists of a minimum annual audit of the food safety management systems and a minimum annual verification of the PRP elements and additional requirements as included in the scheme and applicable technical specification for sector PRPs. Validity of this certificate can be verified in the FSSC 22000 database of certified organizations available on www.fssc22000.com.

Date of Certification Decision: 2 May 2019
Place and date: Barendrecht, 2 May 2019

FSSC 22000

For the issuing office:
DNV GL - Business Assurance
Zwaluweweg 1, 2994 LB, Barendrecht,
Netherlands

MANJUSHREE
RVA C 124

Erle Kook
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV GL Business Assurance B.V., Zwaluweweg 1, 2994 LB, BARENDRECHT, NETHERLANDS, TEL: +31102922689, assurance.dnvgl.com

TÜV INTERCERT Saar India Pvt Ltd

Certificate of Registration

This is to certify that

MANJUSHREE TECHNOPACK LIMITED

Located at: 60 E & F, Bommasandra Industrial Area, Hosur Road, Bangalore - 560 099, Karnataka, INDIA.
No. 71/72, Phase 2, Sector 2, Shanmangala Village, Bidadi Industrial Area, Bidadi - 562 109, Karnataka, INDIA.

Operates a quality management system which has been assessed as conforming to
ISO 9001:2015
for the scope of activities:

Manufacture of Plastic Rigid Containers, Preforms, Closures & Molded Articles including Food Products.
Manufacture of Plastic Preforms, Rigid Containers, Closures, Blown Films and Molded Articles for Food Products.

Permissible Exclusions: 8.3 - Design & Development

Certificate No: TIC /15209 Issue Date: 14-03-2018

Valid Till **13-03-2021** subject to adherence to the agreed ongoing audit programme, successful endorsement of certification following each audit and compliance with TÜV Intercert Saar India Pvt Ltd - Group of TÜV Saarland Regulation.

(Original issue date of certificate: 28-02-2015)

TÜV INTERCERT SAAR INDIA

NABCB
QM 028

IAF
CERTIFICATION MANAGEMENT

Head of Certification

This Certificate is valid subjected to periodic conductance of surveillance Audit.

Regd Office: No 122/1, 3rd Main Road, Margosa Road, Malleswaram, Bangalore - 560 003, India

DEPARTMENT OF HEALTH AND HUMAN SERVICES

Food and Drug Administration
Silver Spring MD 20993

DMF 030923

DMF ACKNOWLEDGEMENT

MANJUSHREE TECHNOPACK LIMITED
ATTENTION: MR. ANKIT KEDIA, DIRECTOR
60 E & F, BOMMASANDRA INDUSTRIAL AREA, HOSUR ROAD, BENGALURU, KARNATAKA 560 099, INDIA

Dear Mr. Ankit Kedia,

The Food and Drug Administration acknowledges receipt of the following Drug Master File (DMF) submission:

DMF NUMBER ASSIGNED: 030923
DATE OF SUBMISSION: SEPTEMBER 16, 2016
DMF TYPE: III
SUBJECT (TITLE): PET & HDPE BOTTLES
HOLDER: MANJUSHREE TECHNOPACK LIMITED
SUBMITTED BY: MANJUSHREE TECHNOPACK LIMITED
AGENT: PERFECT PHARMACEUTICAL CONSULTANTS PVT. LTD.

All subsequent correspondence to this DMF should be identified with the information as provided above.

Your DMF will be reviewed only in connection with a New Drug Application, Abbreviated New Drug Application, Investigational New Drug Application, Biological License Application, New Animal Drug Application, Abbreviated New Animal Drug Application, Investigational New Animal Drug Application, or DMF it is intended to support when a Letter of Authorization (LOA) is submitted to the DMF and a copy of the LOA is submitted in the application e.g., NDA, that references the DMF.

You are responsible for compliance with 21 CFR314.420. See "The Guideline for Drug Master Files" <http://www.fda.gov/Drugs/DevelopmentApprovalProcess/FormsSubmissionRequirements/DrugMasterFilesDMFsucm073164.htm>

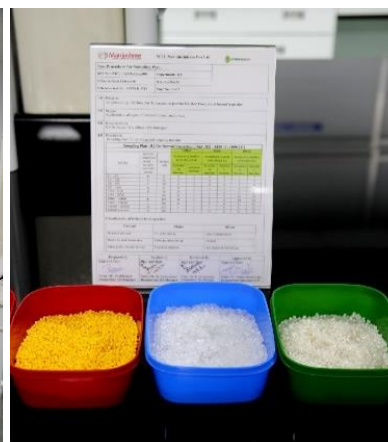
You are required to submit all changes in information regarding the DMF (21 CFR 314.420(c)). In particular the FDA must be notified of any changes in the holder name or ownership and/or the agent and/or the name of the contact person.

The types of information to be submitted may be found at the DMF Web Site. See "Submission of Amendments, Annual Reports, and Letters of Authorization."

ence ID: 3987035

Enabling Circular Economy – MTL Recycling Plant

We aim to become a prominent player in the Circular Ecosystem to provide end to end solution to our customers from collection to bottle



MTL has set up a PCR plant in Bangalore (fully commissioned in June 2020)



MTL will directly source input material (PCW) by being a part of the collection ecosystem and partner with NGOs like 'Saahas'



MTL will then clean and process this waste and convert it into high quality PCR resin



MTL will use this PCR resin in producing containers for key customers as per customer's choice



Advantages to customer

Guarantee on quality and consistency of PCR resin

Guarantee on supply consistency of PCR resin

Certificate for EPR obligation and PCR usage

ESG Initiatives in MTL



Extended Producer Responsibility (EPR)

The Plastic Waste Management (PWM) 2016 rules & amendments in 2021, 2022 lay down EPR guidelines for brands with clear implementation ask from FY25-26. MTL is geared up for supporting our customers to meet their requirements under this regulation.



Recycling

MTL has set up a green field recycling plant in Bangalore (6k MT capacity p.a.)

Recycling unit has "Post Waste management" certification which enables to offer complete certification for EPR



CSR

MTL aims to build a vibrant society in its sphere of influence.



Corporate Sustainability Assessment

MTL CSR activity is contributing to Swachh Bharat mission with focus on preventing open defecation.

MTL recycling initiative connects it to most marginalized members of the recycling supply chain via its collection partners who give them access to health care facilities and a regular income.



Towards "Net Carbon" and "Net Water" Neutrality

55% of our total Production is manufactured with the help of renewable power sources like wind, Solar & Hydel

MTL harvests more than 60% of rainwater and has 100% treatment of effluent waste



Maintaining high standards in corporate governance

Highly acclaimed professionals in board of directors.

Achieved credit rating of AA- from **CRISIL**

MTL Board of Directors



ASHOK SUDAN

Chairman

Former Chairman & CEO SGD Group; EVP Graham Packaging

40+ years of experience



MANU ANAND

Director

Former Chairman & CEO PepsiCo India; President Mondelez AMEA

40+ years of experience



JAYESH MERCHANT

Independent Director

Former CFO Asian Paints

30+ years of experience



SHWETA JALAN

Director

Managing Partner and India Head, Advent International

21+ years of experience



PANKAJ PATWARI

Director

Managing Director, Advent International

15+ years of experience



Experience to drive strategic direction

Ability to create businesses with scale

Strong domain expertise

Mgmt. team committed to driving long-term success

Management Team



Managing Director &
Chief Executive Officer

25+ years of experience



NP Thimmaiah



Rajiv Mehta

Head of Business -
Containers

24+ years of experience

CLASSY
KONTAINERS



S Satish

Chief Sales & Marketing
Officer

25+ years of experience



Manish Aggarwal

Business Head – Pumps &
Dispenser BU

15+ years of experience



Rajesh Ram

Chief Finance Officer

32+ years of experience



K Shreedhar

Chief Operating Officer

22+ years of experience



V.K. Baheti

Technical Director

50+ years of experience



Satyananda

Head – Container LMS

22+ years of experience



Anil Patro

Chief Human Resource
Officer

28+ years of experience



Ayanish Sen

Chief Procurement Officer

25+ years of experience



Thiagarajan N

Chief Information Officer

25+ years of experience



Gaurav Luniya

Chief Business Officer

12+ years of experience



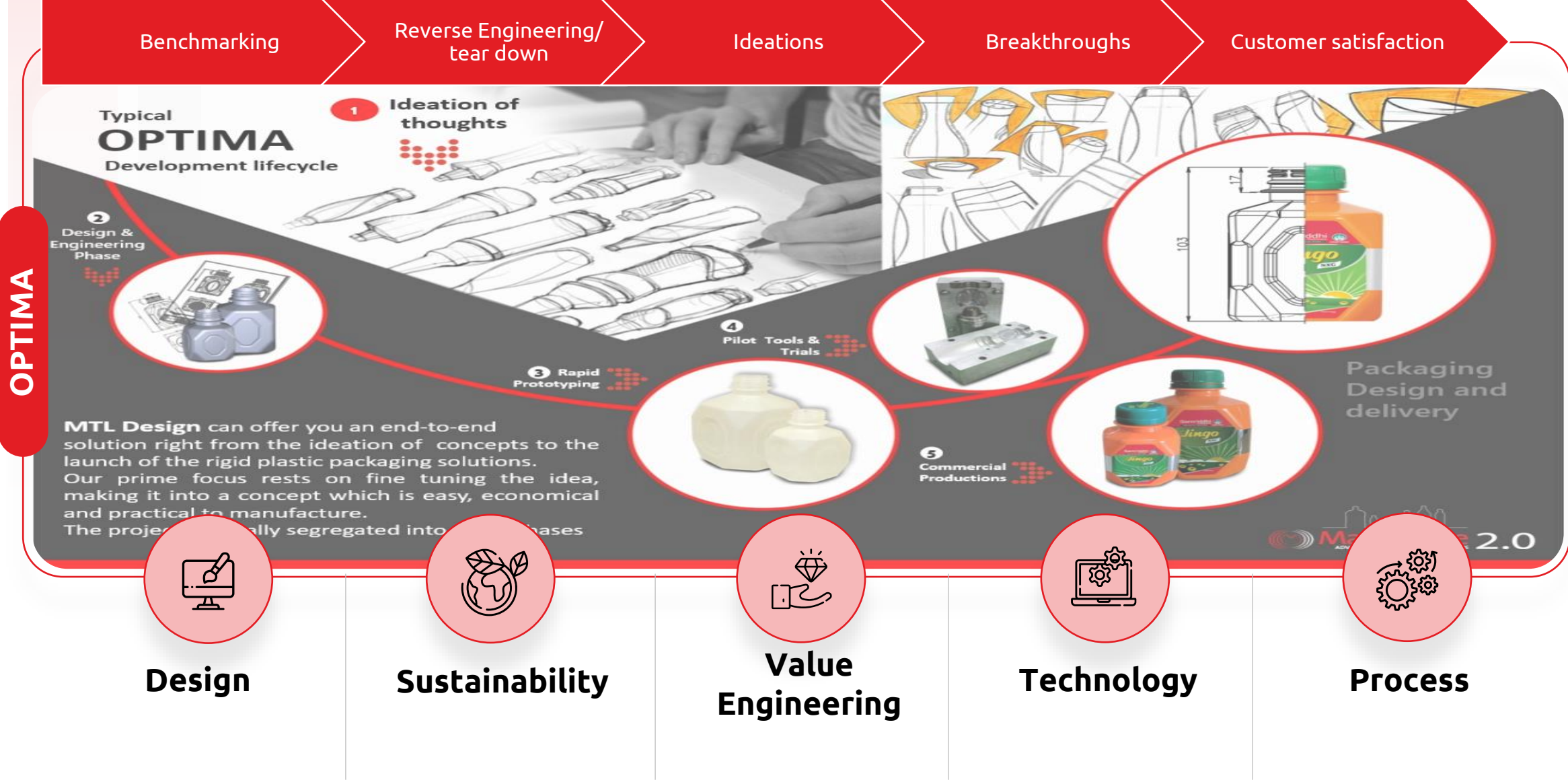
Navneet Yadav

Head – Innovation; R&D

20+ years of experience



MTL Innovation Approach



Leading by Innovation...Soft launched in 2023



T/E Snap cap

Manjushree introduced tamper evident featured cap for wad elimination with no increase in Jar & cap weight to attain T\E



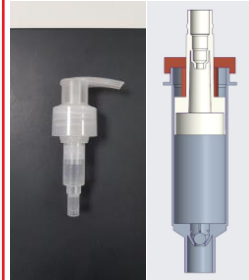
DOY Pack

Flexible moulded pack with ultra low weight container with customized options for sustainable monomaterial, refill packs etc.



ECO Nip Cap

Double T/E featured liquor cap with a sustainable non littering solution



All Plastic Pump

Elimination of metal spring to enable circular economy



PCR- Special grades

Enabled higher dosing of PCR by customized Prime/Class grades for Poly-olefins



Container

Light weighting solutions in various containers for e.g Liquidator. Complete set optimized to enable low carbon footprint

Commercialized Innovations..



Zero Cooling

Pioneer in India in adoption of zero cooling technology in ISBM, reducing cycle time by 15-25%



Bottle with Handle

2 ltr bottles with handle for liquor industry-USL



Angular neck for Harpic

Developed angular neck in EBM for Harpic



Glass to PET conversion

Pioneers of Glass to PET conversion in India with Dettol, Dabur, Bajaj etc.



Pioneers in Multilayer bottles in India

Kissan & Heinz ketchup

Project GARUDA

Manjushree – Building a world class institution led by a highly motivated, engaged and collaborative team



Profitable Growth

Prioritize Product segments

New segments to go after

SOW Strategy

Acquire New Customers

Devise GTM [How to win? strategy for new customer segments]

Innovate to create differentiation



Process Excellence

Quality Excellence

Cost Excellence

Capacity Unlock

Customer Satisfaction



Best Place to Work

Collaboration

Agility & Customer responsiveness

Motivation

People & Leadership development



THANK YOU!



Dispensers - LP Series

Used in

Hand Wash

Hand Sanitizers

Body wash

Shower Gel

Shampoo

Hair Conditioner

Lotions

Cleaning products

Others

Wide range of actuators
Varied surface decor options like
aluminum sleeves, UV Metallization

Sizes-24/410,24/415
Output- 2cc



Cream / Lotion Pumps (MLP / FMS)

Used in

FMS Series

Serums

Oils

Lotions

Pharma & Allied

Others

MLP Series

Body Mist

Fragrances

Pharma & Allied

Sanitizers & Disinfectants

Others

Sizes- 18/410, 20/410, 24/410
Output- 0.25cc



Recycling Division

