



MASTERBATCH SOLUTIONS · 2026

PLASCOM

Company Profile

Customized White · Color · Black · Functional M/B Solutions

Engineered for reliable production, stable quality and application-specific performance.



Executive Summary | PLASCOM at a Glance

Customized solutions backed by 26+ years of masterbatch expertise, production capability and quality infrastructure

“A masterbatch partner that turns customer requirements into formulation design, process validation and stable mass production”

2000

Founded

Established Jan. 25, 2000

26+

Experience

Accumulated masterbatch expertise

268M

Capital

Paid-in capital KRW 268M

45

Specialists

R&D · Production · Sales · Quality

CUSTOMER VALUE

Custom Development

M/B design by resin, application and color

Mass-Production Stability

MES-based production control & capacity expansion

Quality Validation

Stage-by-stage inspection from incoming materials to shipment

Supply Responsiveness

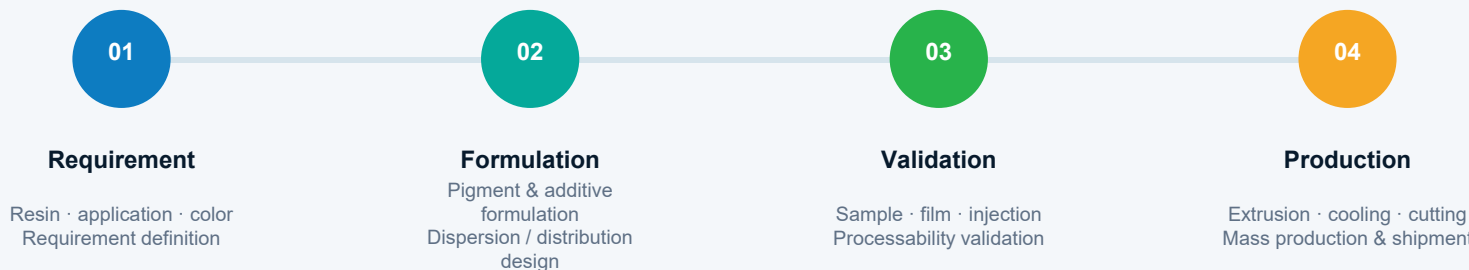
Korea production base with Vietnam network

PLASCOM combines color matching, dispersion technology and production/quality management to deliver solutions tailored to customer processes.

Business Positioning | Value for Customers

A masterbatch solution partner from color matching to mass-production stabilization

FROM REQUEST TO MASS PRODUCTION



Customer-Facing Value

More than a supplier: a partner that connects requirement analysis, formulation design, process validation and mass-production stabilization.

DIFFERENTIATORS

- High concentration · high dispersion**
Full coverage across White / Color / Black / Functional M/B
- Testing & analysis-based support**
Quality validation with DSC, FT-IR, MFI, colorimeter and more
- Smart Production System**
MES-based production management and enhanced LOT traceability

Growth & Investment | Stable Growth & Capacity Investment

Strategic equipment investment strengthens production efficiency, quality stability and new-product responsiveness

SALES STATUS

KRW 15.1B

2025 Sales



KRW 20B

2026 Target

+32% Target Growth

The key message is not only sales growth, but stronger customer responsiveness through investment.

INVESTMENT FOCUS

Facility Investment

About 17% of 2024 sales reinvested in equipment

Enhanced Extrusion Capability

Advanced Twin-Screw extruder introduced

Black M/B Expansion

Dedicated line based on Kneader + Twin extruder

Quality & Efficiency Improvement

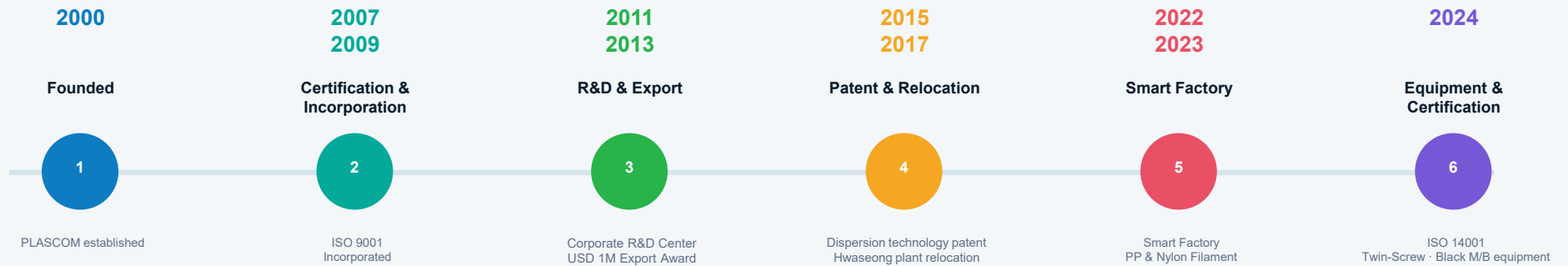
Maximized production efficiency and quality stability

Investment focused on delivery, quality stability and new-product responsiveness - not capacity alone.

Company History | 26 Years of Technical Accumulation

From start-up and R&D to innovation, smart manufacturing and diversification, PLASCOM has strengthened its equipment and certification base

MILESTONES

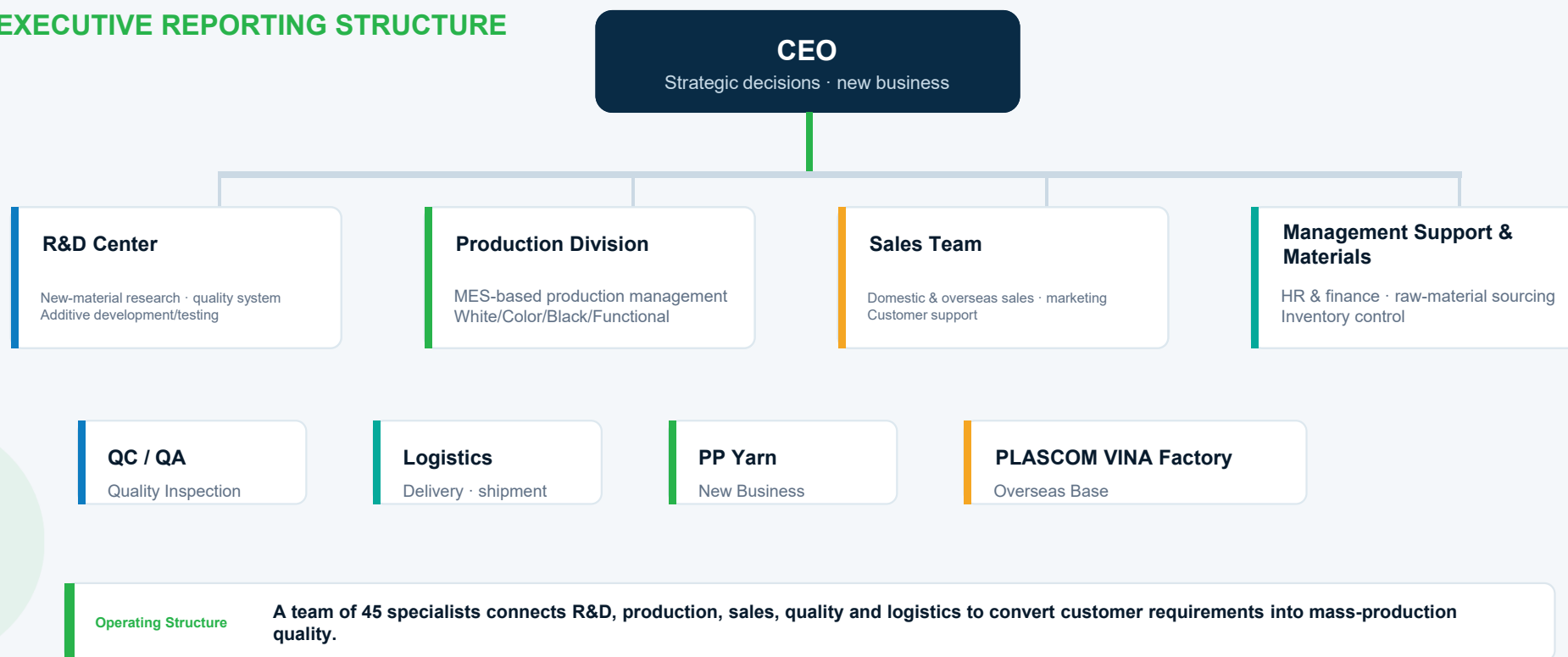


Today: an integrated manufacturing platform covering all masterbatch lines, R&D, production and quality systems

Organizational Structure | Operating Model

Under the CEO, R&D, production, sales and management/materials teams collaborate with quality, logistics and overseas operations

EXECUTIVE REPORTING STRUCTURE



Masterbatch Portfolio | Core Product Portfolio

White, Color, Black and Functional Masterbatch tailored to diverse resins and application requirements



White M/B

High-concentration TiO₂ pellets for whiteness, opacity and thermal stability



Color M/B

26 years of color-matching data and pigment dispersion technology for customized color solutions



Black M/B

High-dispersion Carbon Black/Graphite technology for diverse industries



Functional M/B

Adds antibacterial, antistatic, UV stability, flame-retardant and conductive functions



Product Positioning Specialized production systems and optimized processes ensure quality stability.

White Masterbatch | White M/B Solutions

High-concentration TiO₂ dispersion technology delivers whiteness, opacity, thermal stability and processability

500+

White M/B Data

Data-backed support by resin and application

Max. 80%

TiO₂ Content

High-concentration White M/B for LDPE/LLDPE

Multi

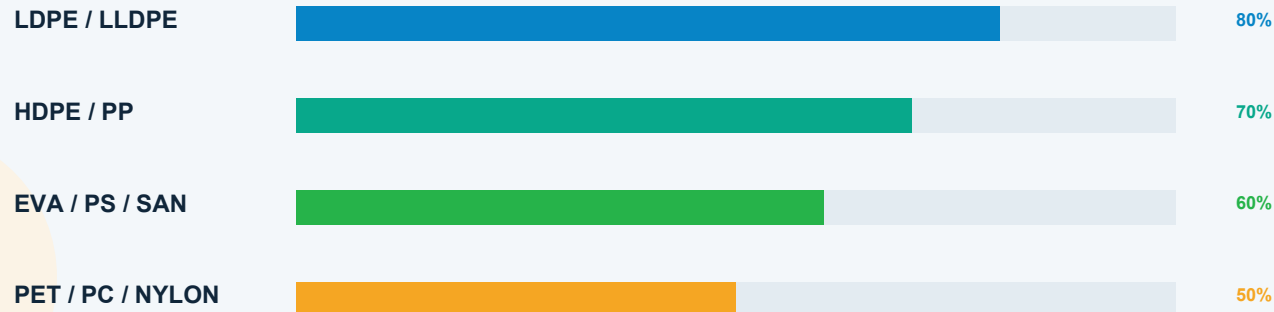
Application

Film · Extrusion · Sheet · Injection · Filament



**WHITE
M/B**

TiO₂ MAX. BY CARRIER



Typical applications

Film / Extrusion

OPP / CPP Film

Sheet / Injection

Filament / Textile

Electronics / Automotive

Design Perspective

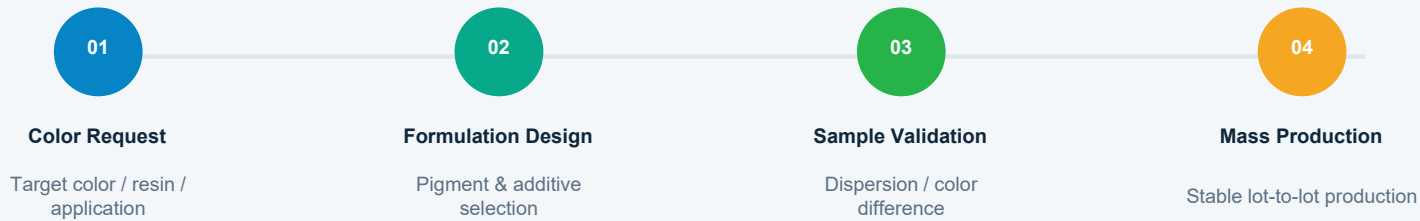
We balance opacity, color stability, weatherability and processability for each customer process condition.

Color Masterbatch | Color M/B Solutions

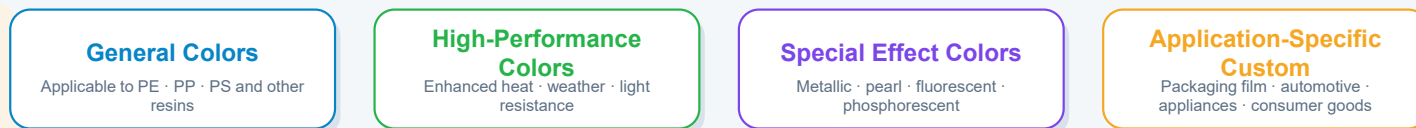
Color-matching expertise and pigment dispersion technology ensure color reproducibility and production stability



COLOR MATCHING PROCESS



LINE-UP



26 Years

Color Matching Data

Balanced design for dispersion,
tinting strength, thermal stability and
lot-to-lot reproducibility



Quality Features: excellent dispersion · tinting strength · high thermal stability · consistent color reproducibility · broad resin compatibility

Black Masterbatch | Black M/B Solutions

High-dispersion Carbon Black / Graphite technology and dedicated production lines support diverse industrial requirements



TECHNICAL FOCUS

Max. 50%

Carbon Black / Graphite

High-concentration solutions for PE and EVA/POE

20-40%

Engineering plastics

Applicable to PA, PBT, Nylon, PET and more

Custom

Viscosity & application

Supports low, medium and high-viscosity requirements

APPLICATION SUMMARY

PE

C.B / Max. 50%

Pipes

Cables

Films

Packaging

Auto

ESD

EVA / POE

Graphite / Max. 50%

ESD

Heating

Thermal

Footwear

PP / SAN

C.B / Max. 40%

Fibers

Electronics

Interiors

Compounding

PA / PBT / Nylon / PET

C.B / Dye Black / 20-40%

Automotive

Electrical

Construction

Appliances

Key Message

Black M/B is not just a coloring material; it is a technical product that must control dispersion, conductivity and process stability.







Functional & High-Performance | Functional M/B

High-value masterbatch solutions for filler, functional additive and specialty-performance requirements

FUNCTIONAL FILLER M/B

CaCO₃ 70-80% Opacity · Strength	Talc 50-70% Matt finish · Heat resistance · Stiffness	CaO 60-75% Moisture removal · Bubble prevention	SiO₂ 20% Antiblocking · IR reflection	Zeolite 50% Moisture adsorption · VOC removal
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HIGH-PERFORMANCE FUNCTIONS

 Heat Resistance Stabilizes performance in high-temperature environments	 Flame Retardancy Improves product safety	 Antibacterial Adds hygienic performance
 UV Stability Prevents discoloration and degradation	 Conductivity Supports ESD / EMI shielding	 Scratch Resistance Maintains surface appearance

Functional M/B directly addresses product property, safety, hygiene and durability requirements as a high-value solution.

Production Process | Manufacturing Workflow

From raw and subsidiary material receiving to final packaging, staged quality control and process validation are performed

PROCESS FLOW



QUALITY GATES

Incoming Inspection

Verify material properties and specification compliance

First-Article Inspection

Check key quality factors of extruded product

Process Inspection

Comprehensive verification of properties, appearance and color

Quality Management

Quality gates proactively manage raw-material variation, color deviation and processability issues at each stage.

Production Capacity | Equipment & Supply Capability

Domestic production and Vietnam network expand masterbatch supply capability

ANNUAL CAPACITY

10K

Korea Annual Capacity

Masterbatch annual capacity

2.4K

Vietnam Hanoi Branch

Masterbatch annual capacity

580t

Monthly Capacity (Korea)

Based on White · Color · Functional lines

EQUIPMENT SNAPSHOT

Category	Quantity	Main Application
Twin Screw Extruder	6 units	White · Color · Functional M/B
Single Screw Extruder	2 units	Color M/B
Kneader + Twin Extruder	2 units / 2 units	Dedicated Black M/B line
Pilot Twin Extruder	1 unit	New-product development & testing
Vietnam line	TSE 3 units / SSE 1 unit	Overseas-base production support

Dedicated Black M/B Line

Kneader + CO-TSE
Monthly 500t basis

Supply Capability

Our Korea production base and Vietnam network strengthen customer delivery and supply stability.

Testing & Laboratory | Testing & Analysis Infrastructure

Analysis, processing, color and film-evaluation equipment support product development and quality validation

EQUIPMENT GROUPS

Material Analysis

DSC

FT-IR

MFI Tester

Moisture Analyzer

Electric Furnace

Processing Validation

Injection Molding Machine

Spinning Machine

Lab Compounder

Hot Press Machine

Hot-Air Dryer

Color & Film Evaluation

X-rite Colorimeter

Lab Blown Film Machine

Film Processability Evaluation

Dispersion & Optical Property Validation

Color Check

QUALITY USE CASES

Raw Material Characterization

Analysis of moisture, thermal properties and molecular structure

Processability Validation

Evaluate actual performance in injection, film and spinning conditions

Color Stability

CIE Lab-based color quantification and lot management

Quality & Certifications | Reliability Foundation

Sustainable manufacturing quality built on patents, quality management and environmental management certifications

CERTIFICATIONS & TECHNOLOGY

Patent

Core patent in the masterbatch field

Based on high-dispersion/high-distribution and nano-composite material technology

ISO 9001

Quality management system certified since 2007

Quality management from raw-material selection through production

ISO 14001

Environmental management system certified since 2024

Strengthening eco-conscious production and sustainability

NEXT STEP

01

Requirement Discussion

02

Sample Development

03

Quality Validation

04

Mass-Production Supply

Contact jeremylee@plascom.co.kr

Thank you!