

Building Strength Shaping Skyline

Manufacturers
and suppliers
of Aluminium
formwork
systems
by eco friendly
construction
methodologies

ALCOMO
Technologies

Building Strength, Shaping Skyline

ABOUT US

Alcomo Technologies LLP is a trusted name in aluminium formwork solutions, delivering systems that help construction companies build faster, stronger, and smarter.

We specialize in high-performance aluminium formwork systems designed for speed, accuracy, and repeatability, making them ideal for high-rise, mass housing, and large-scale infrastructure projects.

At Alcomo Technologies LLP, we combine engineering expertise, quality materials, and on-site practicality to create solutions that reduce construction time, optimize labor usage, and deliver superior concrete finishes. Our systems are easy to assemble, highly durable, and reusable across multiple cycles, ensuring long-term value for builders and developers.

Driven by innovation and backed by a committed technical team, we partner with construction companies to increase productivity, control costs, and meet demanding project timelines without compromising on quality or safety.

CORE VALUES



Quality Without Compromise



Speed & Efficiency



Engineering Precision



Reliability & Accountability

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MODERN CONSTRUCTION METHOD

- Headquartered in Pune, Maharashtra, India, we began our journey in the formwork industry in 2024. Since then, ALCOMO TECHNOLOGIES LLP has taken great pride in introducing our aluminium formwork technology, designed to accelerate the construction process.
- Our system replaces the conventional column-and-beam method with a technique where walls and slabs are cast together in a single on-site operation. This is achieved using specially engineered, lightweight aluminium panels that are easy to handle, require minimal labor, and can be used without any additional equipment.
- This approach enables rapid construction, especially for projects involving multiple repetitive units, almost like an assembly-line process managed by a small team of semi-skilled workers. The system involves assembling and erecting pre-planned shuttering components, followed by concreting the walls and slabs. The props are engineered to remain stable during slab de-shuttering. With high dimensional accuracy built into the formwork, the chances of errors are virtually eliminated.



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MISSION

- To establish ourselves as a leading manufacturer, delivering a comprehensive range of products and services with uncompromising quality and timely solutions.

VISION

- Commitment in every word, excellence in every action. Our goal is to provide unparalleled services while upholding trust and reliability for all our esteemed clients.

KEY FEATURES

- Premium concrete finish
- Faster casting cycles
- Monolithic casting
- Cost effective
- 250+ repetitions
- Durable and high scrap value
- On time delivery and service
- Buy back option
- Reusable with minimal modification
- Easy to handle and assemble
- Support for installation and training
- Experienced staff and design team
- Low maintenance
- Rust proof longer life
- Customised software
- Higher automated fixtures and machines
- Maximum accessories provision





4mm surface thickness



T6 6061 Alloy of Aluminium



PU premium form finish



Wall panel load carrying capacity upto- 80 KN.



Robotic and Friction Welding FSW



Heavy support stiffer 8-9 nos. in a standard panel & side rail hence no undulation formation

MONOLITHIC FORMWORK SYSTEM (FULL SET)



Standard panel sizes:
600 x 1100
600 x 1200
600 x 2400
450 x 1200
450 x 2400
450 x 2700

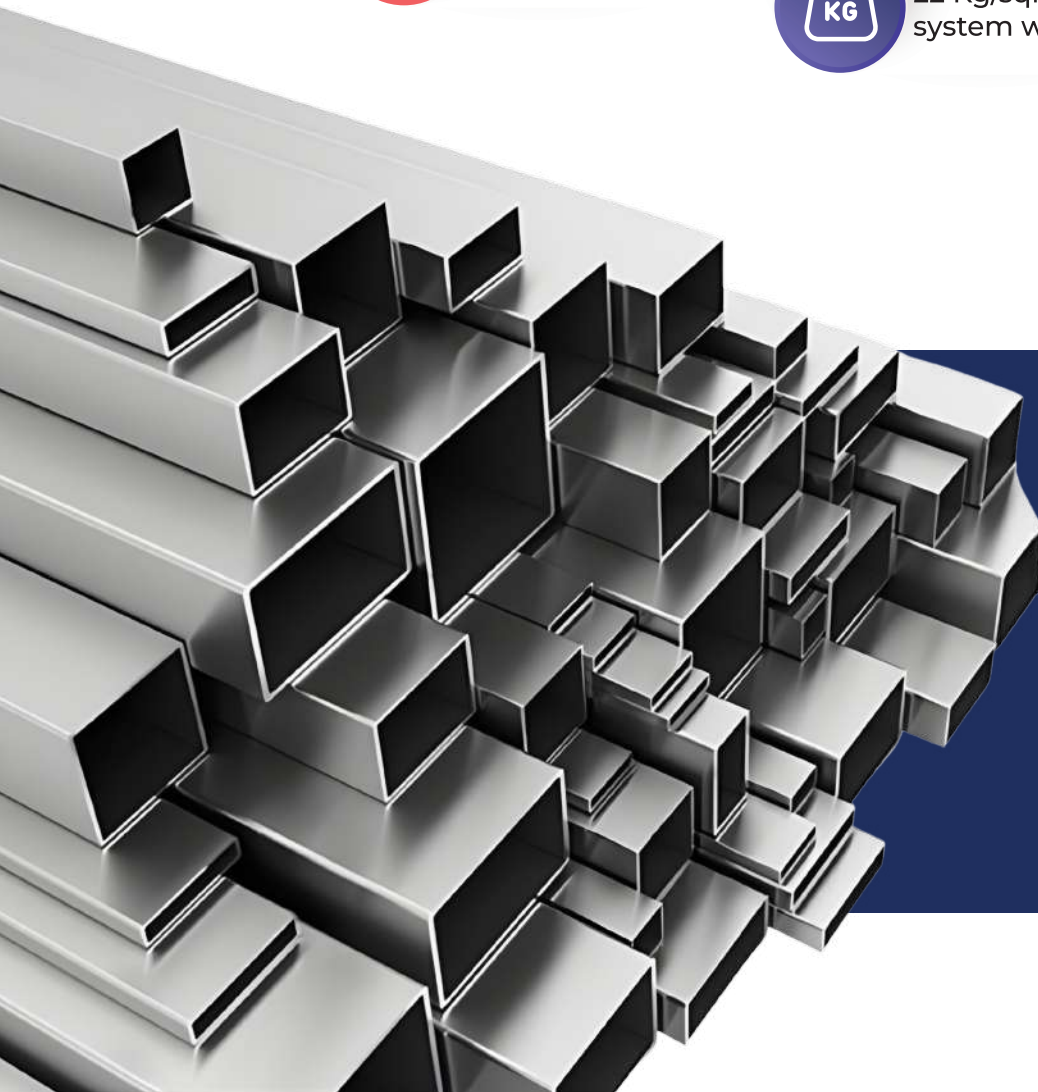


Dimension, alignment & hole accuracy



22 Kg/sqm system weight

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VERTICAL FORMWORK SYSTEM



PU lacquer form finish



High Load Bearing Capacity 60 to 80 KN.



Tie-Rod system for larger size columns



Heavy support stiffer 8-9 nos. in a standard panel



250+ repetitions



Carbon steel grade E350 wall ties for high tensile strength



3.6 meter single pour capacity



Dimension, alignment & hole accuracy



Standard panel sizes
600 x 2400
450 x 2400
450 x 2700



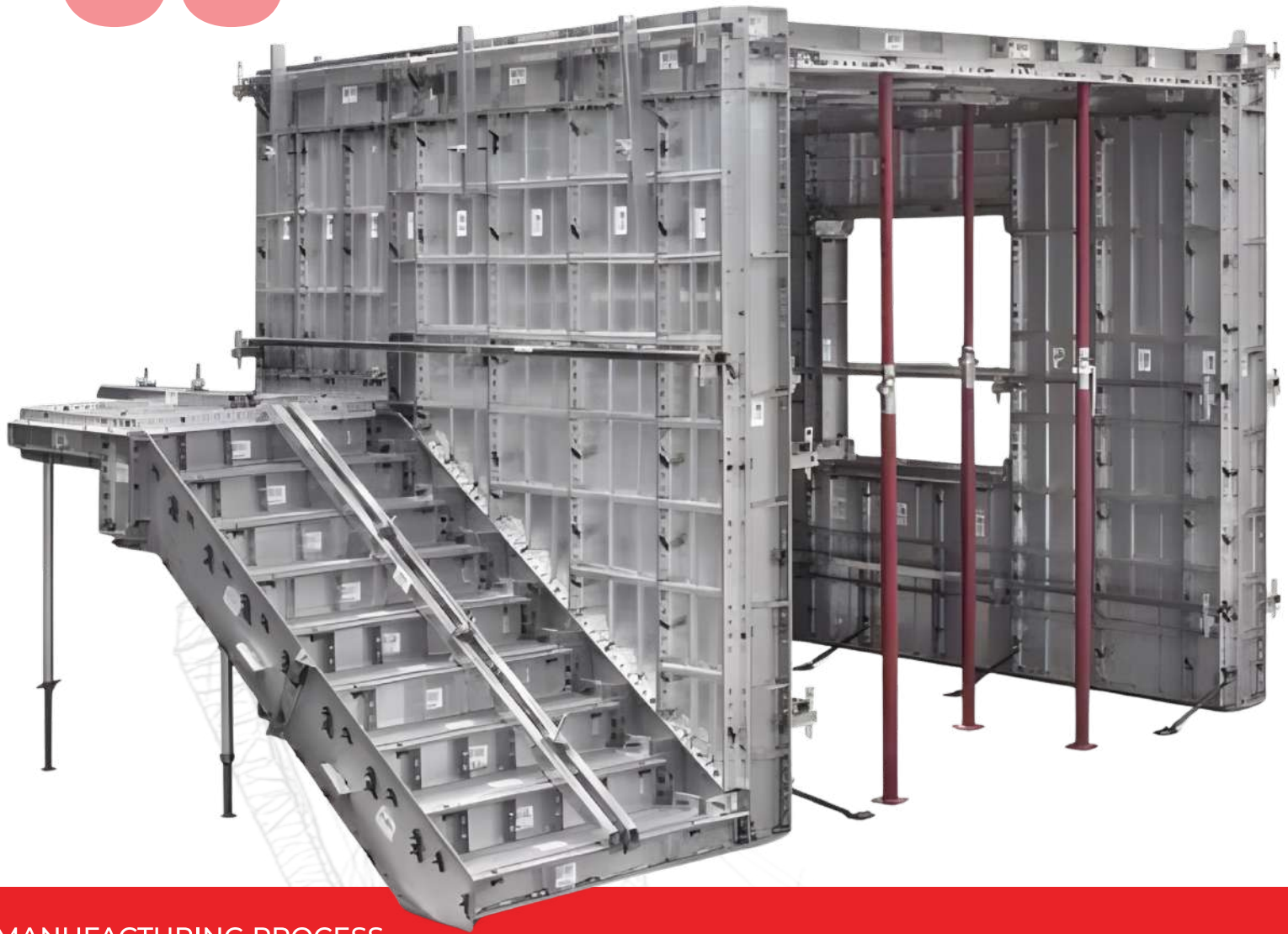
Wall formwork

Round column formwork

Retaining wall formwork

SCOPE OF WORK

1. Architectural structural drawings input from client
2. Shell plan preparation by ALCOMO TECHNOLOGIES & submission for approval
3. Shell Plan & Formwork Scheme Drawing Approval by Client
4. Modulation drawing
5. Bill of Quantity (BOQ)
6. BOQ Import to Software and Production Planning
7. Advanced Machineries & Robotic Semi-Automated fabrication Process
8. Buffing and lacquering process
9. Stickering
10. Accurate packing and dispatch
11. On-site Aluminium formwork assembly, supervision and guidance
12. Aluminium formwork shuttering and fixing
13. Client inspection and concrete casting by client



MANUFACTURING PROCESS

1.

Raw material

3.

Multi punching

5.

Robotic welding and FSW

7.

Laquering

9.

QR scanning and research

2.

Cutting

4.

Multi milling

6.

Straightening and buffing

8.

Quality check

10.

Dispatch

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TECHNICAL SPECIFICATIONS

S.N.	PARAMETER	DETAILS
1	Aluminium Face Thickness	4.0 mm $\pm$ 0.2 mm
2	Side Rail Dimension	65mm X 8mm Thk $\pm$ 0.2 mm
3	Average Weight of System Aluminium	22 Kg/Sqm $\pm$ 1Kg
4	Ms Components Average Weight	9 Kg/Sqm $\pm$ 1Kg
5	Side Rail Hole Pattern	@50mm c/c + Alcomo Pattern along length
6	Total Stiffeners in Single Panel	8 nos
7	Stiffener Type	V-Shape & Y-Shape handle stiffener
8	Aluminium Extrusion	6061 T6 Grade
9	Welding Wire, Electrode and Grade	5356 Aluminium grade electrode
10	Welding Type	A) Friction Welding (FSW) B) Robotic Welding C) Manual Welding
11	Load Capacity of Panel	80 KN/m ²
12	Corner Gussets	Triangular gusset. (4mm Thick)
13	Material Hardness	80 - 100 BHN
14	Ultimate Tensile Strength	310 - 350 N/mm ²
15	Estimated Repetition	150 + And 250 for Vertical
16	Rate of Pour of Concrete	4 mtr/hr
17	Max Height	4500mm
18	Hole Diameters	16.5mm
19	Accessories	Good quality and best required grade of MS with plating
20	Wall Ties	38 X 3 mm thick with plating
21	Fixing Components	Std MS pin, Wedges and other accessories as per design
22	Prop	Adjustable MS prop with pipe head and secondary with support plate with load capacity 20 KN
23	Supporting System	Double set or required as per design
24	Platform Brackets and Kickers	Double set
25	Standard Size of Panels	A) 600X2700 B) 600X2400 C) 600X1200 D) 450X2400 E) 450X1200
26	Surface Finish	PU lacquer coated with premium finish
27	Concrete Finish With Alcomo Formwork Panel	Premium concrete finish
28	Reuse for Next Project	75% - 85% of standard panels
29	Speed of Work and Cycle Time	15-20 Sqm/men/day or 7 working days cycle
30	Wall Thickness Casting done by Same Panel	Up to 450mm with wall tie system and Up to 1000mm thick with tie rod system
31	Drawings in A3 Size Hard Copy	1 set with lamination / 2 sets of normal copies
32	Technical Support on Site	Up to 2 slab casting

OUR CLIENTS



HONEST GROUP
— TRUE VALUES —



SOLITAIRE



MITTAL[®]
BROTHERS

You first.

**Pillar Point
Project**

Kumar[®]
REALTY

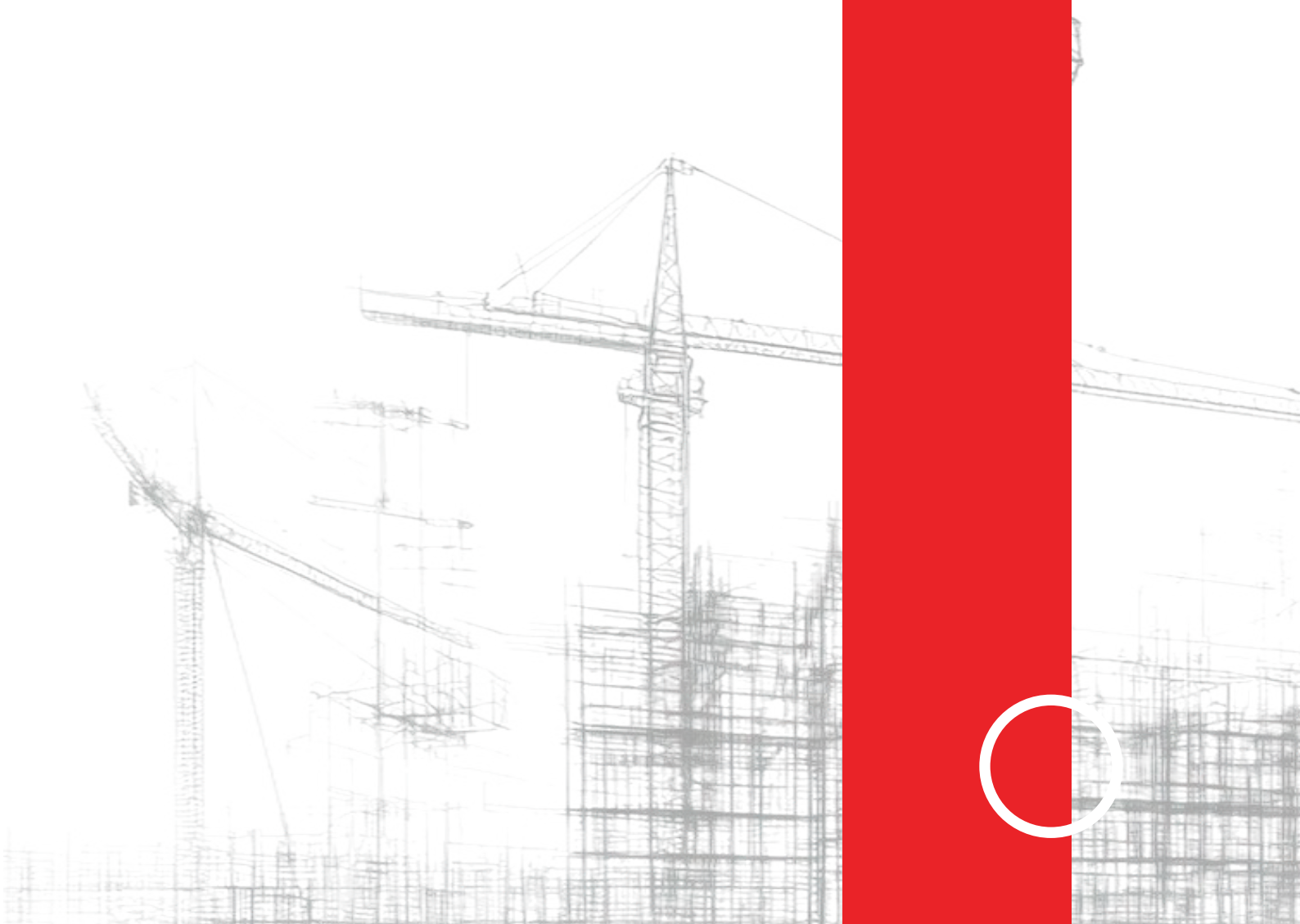
DEVELOPING
SPACES
શ્રેયઃ સમૃદ્ધિઃ સુચિતો ગમ્યતુ

MIPL



Home Utilities & Building Services

**Building
Equipments**



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