

Arvind
COMPOSITES
— ISO 9001:2008 certified —

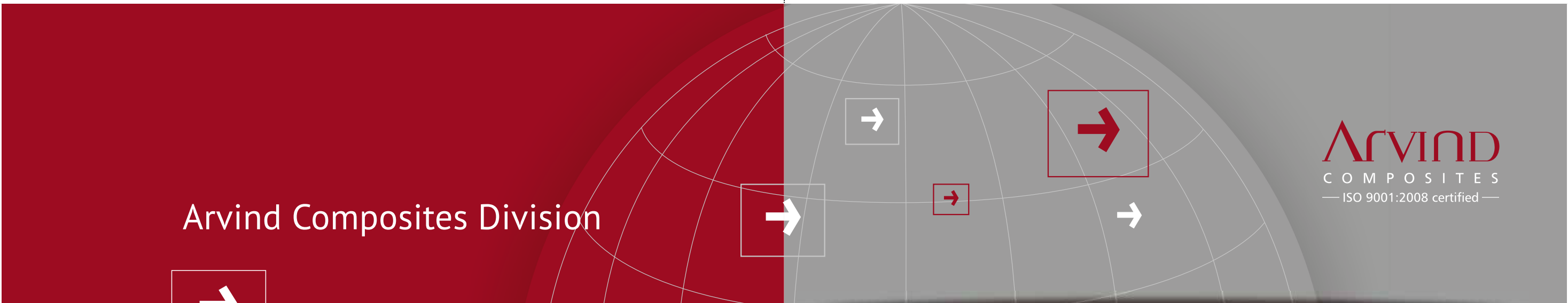
Head Office:
Arvind Limited
Arvind Composites Division PO. Khatraj,
Tal: Kalol, Dist: Gandhinagar - 382721,
Gujarat, INDIA.
☎ +91-2764-306502
✉ info.composites@arvind.in

Arvind
COMPOSITES
— ISO 9001:2008 certified —

**One Stop Shop –
FRP Cooling Towers**

www.arvind-amd.com





Arvind Composites Division



Our key competencies

- 40+ pultrusion lines with a monthly capacity of 500MT+ across 130+ profiles
- Own glass fabric manufacturing facility, in JV with German PD Group, with monthly production capacity of ~500MT
- Fully-equipped mechanical and chemical laboratory for testing based on customer needs
- 100+ skilled manpower for pultrusion/hand-lamination; capable of increasing production through contracted manpower suppliers
- Strong design team and CNC based fabrication facilities

We are a one-stop shop for all FRP requirements of cooling tower companies.

Founded in 1931, Arvind is one of India's largest integrated textile-to-retail conglomerates with successful forays in advanced materials, environmental solutions and real estate. A pioneer of denim in India, Arvind is a \$1.5bn company with an unmatched portfolio of owned, licensed brands and retail formats. Arvind is a supplier of fabrics to global brands such as Levi's, GAP, VF Corp, Tommy Hilfiger, Zara, H&M et al.

Known for its commitment to innovation and quality, Arvind manufactures high performance protective and industrial fabrics through its Advanced Materials Division, using world-class technology and research-led processes.

Arvind started its Composites Division in 2014 producing structural profiles and hand-laminated products catering to cooling towers and infrastructure customers. With a monthly production capacity exceeding 500MT, Arvind has been able to serve global customer with high standards of quality and delivery. Arvind provides complete solutions for all structural needs, including gratings, poles and hand laminated products.



Infrastructure and Facilities

Arvind
COMPOSITES
— ISO 9001:2008 certified —



Testing and R&D are important aspects of the Composites division. The team consistently strives to improve manufacturing processes, discover new efficiencies, develop new capabilities, and deliver a level of responsiveness that helps clients gain a competitive edge.



The R&D team at Arvind, follows a structured process of exploring all the possibilities and developing a shared knowledge base with end users. For every project this leads to creating and delivering long term manufacturing solutions.

Arvind Composites Cooling tower profiles meet the most stringent Fire retardant standard ASTM E 84 Class A and meet UV stabilization standard ASTM G 155/ISO 2782

Arvind Composites Cooling tower profiles have been tested at Intertek laboratory and meet CTI 137 standard.



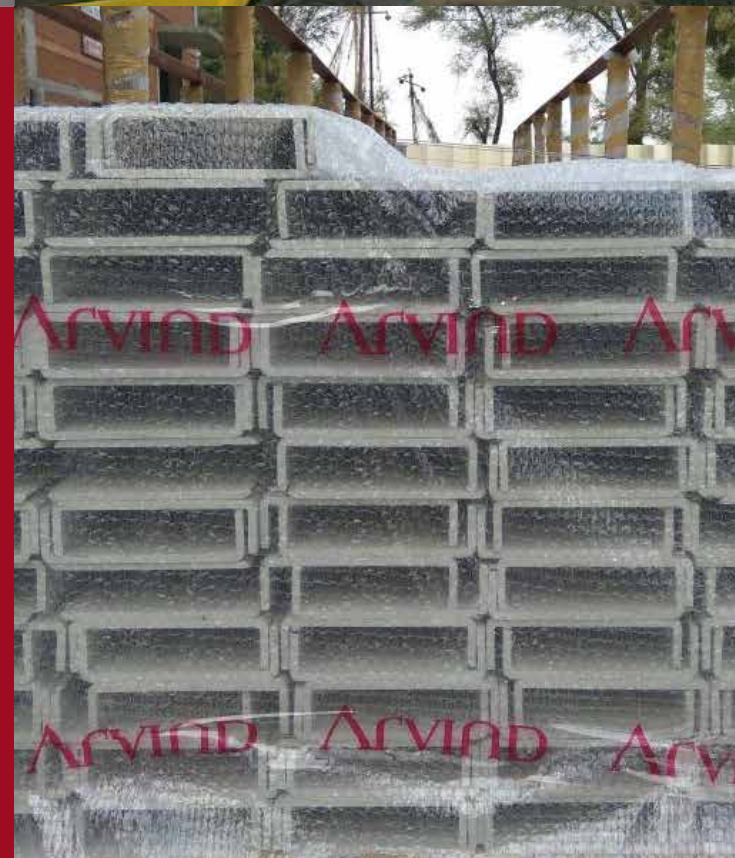
Some of our key orders

We have supplied 2,500MT+ of pultruded material to various global cooling tower manufacturers

- Key highlights amongst projects served
- ~700MT material of pultruded profiles
 - ~100+ sets of fan stacks (FR / non-FR)
 - 50+ sets of fan stacks
 - ~300MT of pultruded profiles within 1 month

Geographies exported to

- USA
- Middle-East
- Australia
- Europe
- Russia



List of pultruded profiles and gratings



Square Pipe				
25.4 x 25.4 x 2.5 mm	50.8 x 50.8 x 6.35 mm	88.9 x 88.9 x 3.175 mm		
25.4 x 25.4 x 3.175 mm	54 x 54 x 4.76 mm	88.9 x 88.9 x 5 mm		
32 x 32 x 6 mm	63.5 x 63.5 x 6.35 mm	88.9 x 88.9 x 6.35 mm		
38.1 x 38.1 x 3.175 mm	76.2 x 76.2 x 9.525 mm	101.6 x 101.6 x 5.5 mm		
50.8 x 50.8 x 3.175 mm	76.2 x 76.2 x 3.175 mm	101.6 x 101.6 x 6.35 mm		
50.8 x 50.8 x 5 mm	76.2 x 76.2 x 6.35 mm	101.6 x 101.6 x 8 mm		
		101.6 x 101.6 x 9.525 mm		
C-Channel				
40 x 11 x 3 & 4 mm	101.6 x 28.6 x 3.175 mm	152.4 x 41.3 x 6.35 mm		
50 x 25 x 3 mm	101.6 x 28.6 x 6.35 mm	152.4 x 41.3 x 9.525 mm		
50 x 25 x 4 mm	101.6 x 31.75 x 4 mm	152.4 x 42.86 x 6.35 mm		
50 x 50 x 4 mm	101.6 x 31.75 x 5 mm	152.4 x 42.86 x 9.525 mm		
50 x 50 x 3 mm	101.6 x 49.05 x 6.35 mm	160 x 28 x 2.5 mm		
55.5 x 28 x 2.5 mm	106.5 x 28 x 3 mm	200 x 100 x 4 mm		
75 x 25 x 4 mm	127 x 34.925 x 6.35 mm	200 x 50 x 3 mm		
88.9 x 38.1 x 4.76 mm	139.7 x 38.1 x 4.76 mm	200 x 50 x 4 mm		
88.9 x 38.1 x 6.35 mm	150 x 50 x 3.5 mm	200 x 100 x 10 mm		
100 x 50 x 10 x 3	150 x 50 x 4 mm	203.2 x 55.56 x 6.35 mm		
100 x 50 x 3 mm	150 x 75 x 4 mm	203.2 x 55.56 x 9.525 mm		
100 x 50 x 4 mm	152.4 x 41.3 x 3.175 mm	207 x 28 x 3 mm		
		355.6 x 88.9 x 9.525 mm		
Angle				
38.1 x 38.1 x 6.35 mm	76.2 x 76.2 x 6.35 mm	101.6 x 101.6 x 6.35 mm		
50 x 50 x 5 mm	76.2 x 76.2 x 9.5 mm	101.6 x 101.6 x 9.525 mm		
50.8 x 50.8 x 6.35 mm	85 x 85 x 6 mm (134°)	152.4 x 152.4 x 9.5 mm		
50.8 x 50.8 x 10 mm	85 x 85 x 6 mm (150°)	180 x 180 x 10 mm		
		200 x 200 x 21 mm (60°)		
I-beam				
101.6 x 50.8 x 6.35 mm	152.4 x 76.2 x 6.35 mm	241 x 50 x 3.5 mm		
152.4 x 152.4 x 6.35 mm	152.4 x 76 x 9.525 mm	38.1 x 15.2 x 3.6 mm		
152.4 x 152.4 x 9.525 mm	203.2 x 101.6 x 9.525 mm	50.8 x 25.4/15.2 x 3.8 mm		
Deck		Rectangular Tube		
500 x 40 x 4 mm		40 x 30 x 3.175 mm		
638 x 38 x 3 mm		50.8 x 25.4 x 3.175 mm		
635 x 28.7 x 3.3/4.83 mm		76.2 x 50.8 x 3.175 mm		
		101.6 x 25.4 x 3.175 mm		
Round Pipe				
25.4 x 3.175 mm	43 x 2.5 mm (Half Round)	80 x 7.5 mm		
33.4 x 2.5 mm	50.8 x 6.35 mm	100 x 4 mm		
Flat				
25 x 2.5 mm	60 x 20 mm	101.6 x 4.76 mm		
30 x 5 mm	60 x 40 mm	101.6 x 6.35 mm		
40 x 5 mm	70 x 35 mm	101.6 x 9.525 mm		
50.8 x 4.76 mm	76.2 x 12.7 mm	557 x 2.5 mm		
50.8 x 6.35 mm	76.2 x 6.35 mm	588.5 x 3 mm		
60 x 8 mm	76.2 x 9.525 mm	588.5 x 8 mm		
60 x 12 mm	100 x 3 mm	1219.3 x 12.7 mm	1219.3 x 6.35 mm	
60 x 15 mm	100 x 12 mm	1219.3 x 3.175 mm	1219.3 x 9.5 mm	
Moulded Grating				
38 x 38 x 38 mm	38 x 38 x 30 mm			
Pultruded Grating				
25.4 x 30.48 x 152.4 mm	38.1 x 30.48 x 152.4 mm	25.4 x 38.1 x 152.4 mm		
50.8 x 50.8 x 152.4 mm	38.1 x 38.1 x 152.4 mm			



Why Arvind?

- Lineage:** 90+ year-old financially strong and publicly listed corporate recognized for delivering high quality products to global customers
- Scale:** 500MT+ pultrusion production capacity per month with sufficient resources to expand; capable of building ~300 fanstack panels/month
- Systems and processes:** Strong in-house processes for production planning, export logistics support and quality control ensuring complete customer satisfaction
- Best cost structure:** Backward integration of glass fabrics, scale for glass and resin purchase, export logistics advantage
- Team capabilities:** An all-round and skilled team, supported by expertise across various areas by the larger Arvind Group