

UNIVERSAL®

....Every Wire's Dream

MARUDHAR®

....Joining Lives & Building Bonds



 FRLS PVC CONDUIT PIPES & FITTINGS

COMPANY PROFILE

MACOPLAST PIPE INDUSTRIES was established in the year 1978 for the manufacture of rigid PVC conduits and fittings with an installed capacity of 200 TPA.

Today the **MACOPLAST** group has an installed capacity of 7000 TPA and nearing the magical 10000 TPA mark.

In the past few decades the **MACOPLAST** group has dominated the electrical market because of our stress on quality, innovation and service. The **MACOPLAST** group has stood by the three pillars which have made us what we are today:

QUALITY : ALWAYS THE BEST!

SERVICE : ON TIME EVERY TIME!

PARTNERSHIP : YOU DREAM WE DELIVER!



We are a company that has been the pioneer in innovation launching products that create new segments in our industry and help foster growth. The company is known for its reliability, humility, flexibility, quality and customer service. Our lofty moral standards in delivering quality products and transparency in our business policies have made us the premier company in the field. We have a team that is not just dedicated to their work but also enjoy what they do. That gives us the edge, because passion for work ensures that each and every one of our workforce strive to make things better than what they are. So we don't just match set quality standards, we exceed them. We are a rare mix of experience and youth which ensures energy and strength in all our policies.

Our biggest asset is that we never fail to try, this defines our work culture. We are a company that fits into the lives of people like salt in food, not highlighted but always essential. We are those that stand and support through the thick of things. Our biggest advertisement is our own product and are biggest advertisers are the people who have been using them for the past few decades. Our success is built on the fact that we don't just make business partners we make bonds of friendship for life.

OUR CHAIRMAN

A company is only as good as its chairman and we are proud to say that we have the very best!

Shri.B.Mahaveer Jain has directed the **Macoplast** group towards imbining humility and honesty in our practices. He is a self made man with his feet firmly on the ground and has been the guiding light that has led us through everything for the past few decades. His leadership and ethics has led us towards creating a principled and ethical business. His philanthropic nature and his stress on giving back to the community has led our CSR unit to give a new beginning to many a life. His simplicity and stress on quality has made us who we are today. He has diverse business interests but his heart belongs here. He is the pole star of this industry and under him the industry has grown manifold. His passion for delivering the best is why today we are the leaders in the field. His incredible business sense and love for innovation is what made us pioneers in the field.

We have tried to imbibe his humility and morals and hope to continue to follow his path of service before business which has been the key to our success.

OUR TEAM

We have a team of Highly qualified operators, Engineers and Graducates working tirelessly to give the best quality products at optimum pricing. **Our Sales & after Sales Service is regarded the best in the industry,** and this is contributed entirely by our operations, accounts, sales and manufacturing teams.

MANUFACTURING FACILITIES

We have 2 Manufacturing facilities in Bangalore, Karnataka with over 35000 sq ft of factory space with the latest twin screw extruders and High end Injection Moulding Machines with 100% Automation in our work.



OUR BRANDS

The **Macoplast** Group has the following brands in the electrical field:

UNIVERSAL®

**Perfection in everything is desired by few and acquired by one.
The one who has achieved it is called UNIVERSAL®**

This is a brand recognized in the market as a pioneer in the field. Under this brand, we manufacture Electrical ISI and FRLS Marked PVC Conduit Pipes, Bends, Couplers and Fan Boxes.

It is a Brand that symbolizes our presence in the market, UNIVERSAL®. It is a brand that is Universally recommended by every sector of the industry be it dealers, consultants, contractors, builders, fire & safety, telecom industry and individuals. Its Quality, pricing & consistency for the past four decades have made it into what it stands for, 'UNIVERSAL®'. From the home next door to the SEZ's everyone demands for 'UNIVERSAL®'.

- **A name to remember!**
- **A quality that has stood the test of time.**
- **A partnership with the people that will last forever.**

**MARUDHAR®**

We manufacture PVC FRLS Junction Boxes with brass inserts under this brand name. This brand has created a storm in the industry with its innovative triple thread technology which is suitable for both mm and inches based screws. Sizes that can be used are suitable for **BIS, CGS, SI, British Standards and American Standards**. The Brand with its streak of innovations is the brainchild of our MD, Shri B. Mahaveer Jain, who wanted us to enter an innovation-based market and continue our legacy with a new view point. For us it was an easy transition because of our expertise in innovation and product development with UNIVERSAL®.



The biggest milestone achieved by this young brand is the design, development and creation of a dream into a reality. It is the first brand in the world to develop a fully transparent Electrical PVC FRLS Fittings range including Junction Box, Couplers and Bends, among others.

FITTINGS-BENDS, COUPLERS, FAN BOXES & SOLVENT CEMENTS

What sets our company apart from the rest is our eye for detail. Most people overlook the fittings as an insignificant part of Conduits. We at the Macoplast Group beg to differ. We believe that the conduit experience only begins with piping but the journey can never be completed without the perfect fitting. With this in mind we develop, test and manufacture the perfect fittings for our pipes. All of them are also Eco Friendly and diesel free. We are constantly automating the labour intensive jobs and optimizing our production facilities. Each product is made from the best quality raw materials and crafted to perfection. So be it bends, couplers or fan boxes all are made of the same quality as those of our conduits. They are all designed for and capable of heavy duty load bearing capacities.

Another innovation in this field is the straight PVC Coupler that has become the darling of the industry with its amazing features such as FRLS PVC Material, Eco Friendly, Diesel Free, High Strength, Impact Resistance, perfect bonding capacity with any standard PVC Solvent Cement and easy and smooth movement for wires. It has completely overtaken the industry and removed the hand made Conduit based collars off the shelves.

All metal fittings including fan Boxes are Powder coated and are rust free.

PVC FRLS JUNCTION BOXES

Our Latest range under the 'MARUDHAR' brand has many first's, including:

- An **innovative triple thread technology** suitable for CGS, SI, British Standards, US Standards and Bureau of Indian Standards.
- A **fully moulded bottom end** to prevent cement entering and blocking the wire.
- **Brass inserts** for perfect locking by screws.
- **Multiple availability of screw lengths.**
- Pure, natural **FRLS Compounding.**
- PVC **Solvent cement bonding** capability.



PRODUCT RANGE
PVC PIPES-ISI MARKED : Technical Specifications
DIMENSIONS AS PER ISI

Nominal Size (in mm)	Minimum Inside Diameter (in mm)			Wall Thickness (in mm)						Standard Length (in metres)
	Light Mechanical Strength	Medium Mechanical Strength	Heavy Mechanical Strength	Light Mechanical Strength		Medium Mechanical Strength		Heavy Mechanical Strength		
				Min	Max	Min	Max	Min	Max	
16	13.70	13.00	12.20	1.00	1.15	1.35	1.50	1.75	1.90	3
20	17.40	16.90	15.80	1.15	1.30	1.40	1.55	1.95	2.10	3
25	22.10	21.40	20.60	1.25	1.45	1.60	1.80	2.00	2.20	3
32	28.60	27.80	26.60	1.50	1.70	1.90	2.10	2.50	2.70	3
40	35.80	35.40	34.40	1.90	2.10	2.10	2.30	2.60	2.80	3
50	45.10	44.30	43.20	2.20	2.45	2.60	2.85	3.15	3.40	3
63	57.00	-	-	2.70	3.00	-	-	-	-	3

PVC PIPES FRLS : Technical Specifications
DIMENSIONS

Nominal Size (in mm)	Minimum Inside Diameter (in mm)		Wall Thickness (in mm)				Standard Length (in metres)
	Special	Standard	Special		Standard		
			Min	Max	Min	Max	
19	16.00	14.80	1.35	1.50	1.95	2.10	3
20	-	15.80	-	-	1.95	2.10	3
25	22.00	20.80	1.35	1.50	1.95	2.10	3
32	-	27.80	-	-	1.95	2.10	3
40	-	35.80	-	-	1.95	2.10	3
50	-	45.80	-	-	1.95	2.10	3

PVC FRLS JUNCTION BOXES WITH BRASS INSERTS :

Molecular Weight	70000-140000	Durability of Threading	Made using brass inserts which cannot rust nor slip.
Density	1500Kg/m ³	Solvent - suitability	Can be perfectly bonded with any PVC Solvent.
Flammability	FRLS- Fire Retardant Low Smoke	Weight Strength to weight Ratio Solubility Impact Durability and ageing	Much lesser than metal which reduces the load on the mould. Very High Insoluble in water High Impact Strength Does not degrade nor age.
Electrical Conductivity	Non Conductor		
Screw sizes	CGS System: Inches:		
	▶ 3/16 Threading Machine screw, ½ inch length.		
	▶ 5/32 Threading screw, any length.		
SI System: mm:	▶ 4 mm threading Machine screw, any length.		
	Rust Free	Termites, insects, rodents e.t.c	Its performance is not affected.

(R & D) INNOVATION

How does a company survive for 40+ years in a highly competitive industry, in a tough business environment like ours ?

The answer is innovation and we are the most creative in the field. There is hardly any innovation in our field today that does not or has not passed through us. Our success has been based on our resistance to settling down with what we have made. We are constantly improvising the conduit experience. But what sets us apart is that we are not counterfeiters nor are we mad scientists. We are pure product innovators. We imagine, design, develop and manufacture from start to finish in the same facility. We develop products the market wants and we follow up on our dream projects and take them from seed to fruition stage, nurturing them with the utmost care. We are R & D Experts of the field. Our R & D Wing comprises some of the most famous researchers and product developers in the field. We also recruit and train young and ambitious innovators.

CSR

The Macoplast Group is a highly socially responsible group as guided by our Chairman, Shri. B.Mahaveer Jain who is a renowned philanthropist. Following in his footsteps, the Macoplast Group conducts various social activities including Diabetic Camps, blood donation drives, Education of Students, providing support to animal shelters, orphanages and old age homes. We also provide employment to the economically weaker sections of society and provide them with vocational training. The Macoplast Group also runs a free hospital in a small village called Antariksh, Washim Dist. for the less privileged.

THE DELIVERANCE OF A DREAM

Ten years back, forecasting the globalised market of today, our M.D. wanted to create a single product with multi thread technology suitable for both mm & inches threading based markets concurrently. He directed our research team to build the prototype. After many failed attempts and years of hardwork the dejected team went to our MD and requested him to shut down the project. They suggested that this product was impossible to make and if someone does manage it perhaps we could then make a similar design. Our MD, smiled and heard the team through. Thereafter he said but one thing...

"If your life was an imitation of someone else's would you live it?".

The team was stunned into silence. Then our MD said, "You have all heard of xerox haven't you? Xerox is actually a company that made the first photocopier or Xerox machine. There are hundreds of companies that make photocopiers today ,but common people like you and I, to this day ask for a xerox not a photocopy. That is the difference between the original pioneer and all the rest. That is the difference between UNIVERSAL and the rest. We may not have the largest market share in the future but we will always have what xerox has today.

A name to remember!

Because you dream and we deliver!



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....Every Wire's Dream

MARUDHAR®

....Joining Lives & Building Bonds

Macoplast

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