

COPS, ABS SLEEVES & ABS TUBE

**Samruddhi Engineering – A Leading manufacturer of COPS, ABS
SLEEVES & ABS TUBE**

About Samruddhi Engineering

2+ decades of precision

— Our products are used across multiple industries —

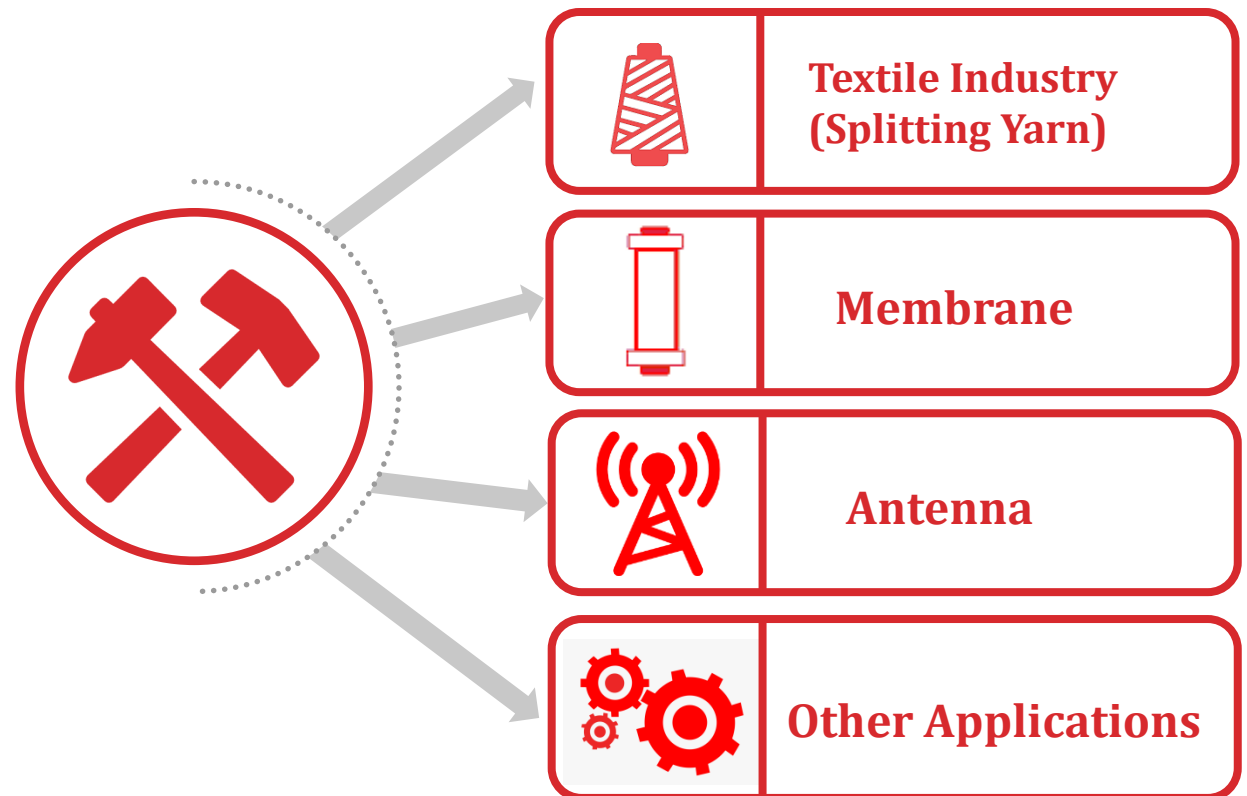
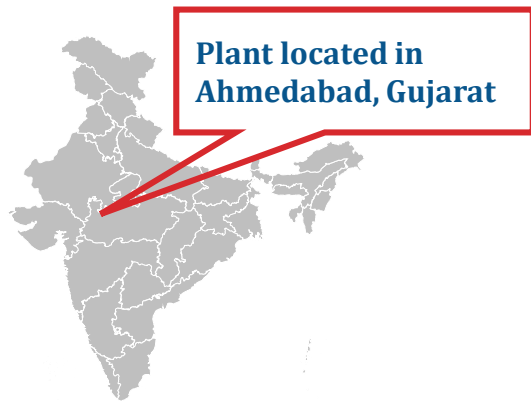


Who are we?

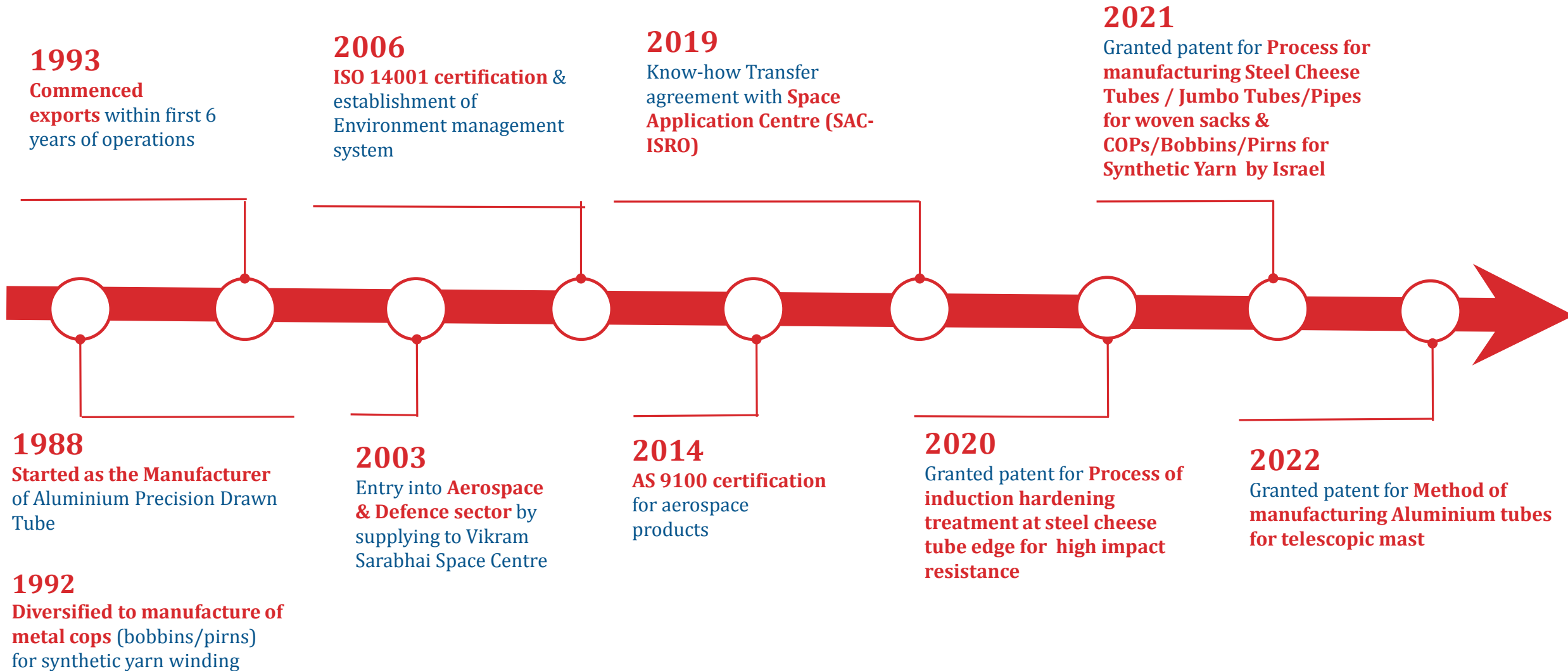
A leading manufacturer of world class **Metal COPs/Bobbins/Pirns, Acrylonitrile Butadiene Styrene - ABS (an Engineering Plastic) Sleeves & ABS Tubes.**



Strategically located in Western India to wide range of industrial segments



Our innovation led Journey that aimed import substitution for India...



Our manufacturing & quality assurance capabilities



COP Assembly



Sleeve Cutting Machine



Universal Testing
Machine



Run-out Testing



Measuring Equipment

..that helps us manufacture wide range of products



Aluminium Precision Drawn Tubes



Metal COPs & Accessories



Aluminium & Steel Cheese Tubes



ABS Tubes



**30 million mtrs
Aluminium
tubes delivered**



**15 million
metal cops
exported**

MULTIUSE COPS (RETURNABLE COPS)



- Highly recommended for in-house purpose.
- Can be used for multiple cycles.

RANGE	
Size	45 mm OD to 55 mm OD
Thickness	1.00 mm to 1.30 mm
Length	340 mm to 450 mm
Weight Range	387 grams to 680 grams
STEEL TUBE TYPE	CDW
SUITABLE FOR YARN	Nylon (Polyamide) & Polyester
SUITABLE FOR MACHINE	Draw Twisting & Splitting

SINGLE USE COPS (NON RETURNABLE COPS)



- Most suitable for Yarn exports.
- Cost-effective compared to Multi use Cops.

RANGE	
Size	45.15 mm OD to 48.55 mm OD
Thickness	0.80 mm
Length	340 mm to 420 mm
Weight Range	325 grams to 440 grams
STEEL TUBE TYPE	ERW & CDW
SUITABLE FOR YARN	Nylon (Polyamide) & Polyester
SUITABLE FOR MACHINE	Draw Twisting & Splitting

SUPER HIGH STRENGTH COPS (For Monofilament / Split Yarn)



Specially developed by Samruddhi Engineering, **Super High Strength Cops** have been used by customers for **100+ cycle & still working well.**

RANGE	
Size	45.15 mm OD to 48.55 mm OD
Thickness	0.80 mm TO 1.00 MM
Length	340 mm to 420 mm
Weight Range	387 grams to 476 grams
STEEL TUBE TYPE	ERW & CDW
SUITABLE FOR YARN	Polyester & Nylon (Polyamide) Monofilament / Split Yarn
SUITABLE FOR MACHINE	Splitting Machine

ABS Sleeves - Range Options



RANGE	
Size	44.45 mm to 55.00 mm ID
Thickness	0.35 mm to 0.60 mm
Surface Finish	Plain / Micro Grooving / Matt (Orange Peel) Finish
Colors	Grey , Blue , Green , Violet , Yellow, Black or as per customer's requirement

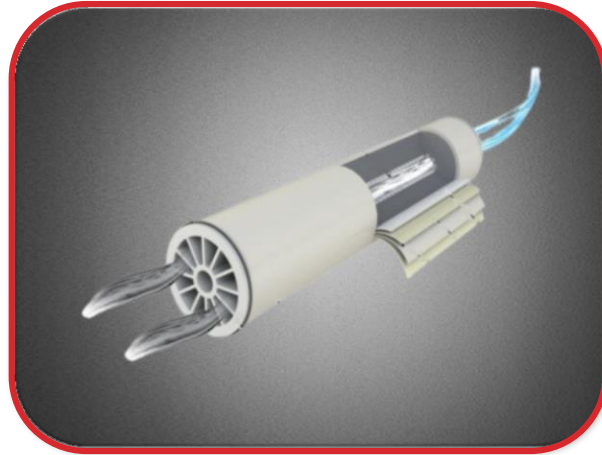
ABS Tubes - Range Options



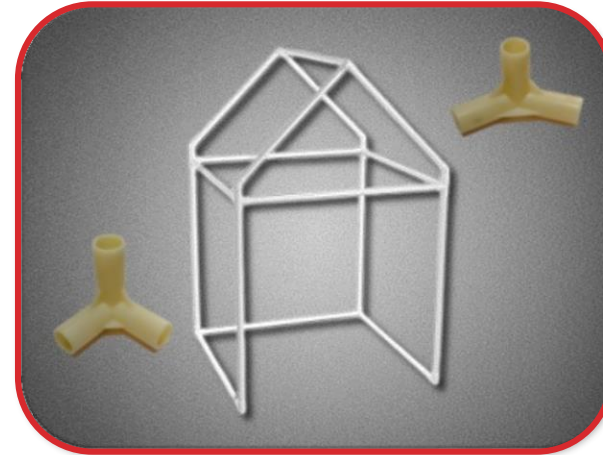
RANGE	
Outer Diameter	10mm to 75mm
Thickness	1mm to 4mm
Length	As per customer's requirement
Colors	Grey , Blue , Green , Violet , Yellow, Black or as per customer's requirement
Grades	Normal Extrusion High Impact Fire Retardant UV Stabilized Anti Static

ABS TUBES APPLICATIONS

MEMBRANE



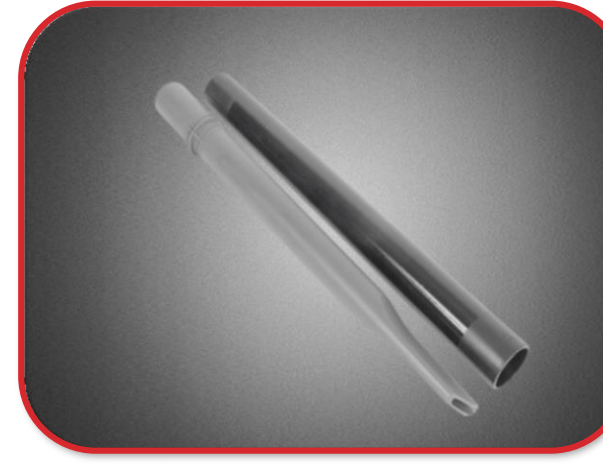
PLAY HOUSE & TOYS



ANTENNA



VACUUM BLOW GUN



And many other industrial applications...

Awards & Certifications



50+ awards and counting

Certifications



Export Excellence



Research & Development



Entrepreneurship



Banker's award



Make in India award



Gold Medals from SAME (2009, 2017)

ZERTIFIKAT ♦ CERTIFICATE ♦ 證書

CERTIFICATE

The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that


SAMRUDDHI ENGINEERING
"SIDDHI HOUSE" 6, Virkunj Society,
Near Vidyanagar School, Usmanpura,
Ahmedabad - 380014, Gujarat, India

has implemented Quality Management System
in accordance with ISO 9001:2015
for the scope of

Sales and Marketing of Steel/ Aluminium COPS (Bobin/Pirn) and COPS
Accessories including ABS Antistatic Sleeves used for Synthetic Yarn
Winding, ABS & Engineering Plastics Extruded Tubes, Cheese Tube &
Yarn Carrier.

The certificate is valid in conjunction
with the main certificate from 2024-06-02 until 2027-06-01
Subject to successful completion of annual periodic audits
The present status of this certificate can be obtained through TÜV SÜD website by entering below QR code and by
entering the certificate number (without space) on web page. Further information regarding the status & scope of
this certificate may be obtained by consulting the certification body at info@tuvindia.com

Certificate Registration No. 99 100 2392501
Date of Initial certification: 2009-06-02
(Note: initially the organization was certified by a different certification body)
Issue Date: 2024-05-28 Rev. 00


Rohit Kalia
Head of Certification Body
of TÜV SÜD South Asia Private Limited
Member
Member of TÜV SÜD Group





TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Gaff House • Anchor Point • Mumbai - 400077 • Maharashtra • India

ZERTIFIKAT ♦ CERTIFICATE ♦ 證書

7 Patents Received

INDIA



Process of Induction hardening treatment at steel cheese tube edge for high impact resistance

ISRAEL



Process for Manufacturing Steel Cheese tubes/ jumbo tubes/ pipes for woven-sacks and cops/ bobbins/ pirns for synthetic yarn

INDIA



Method of Manufacturing Aluminium tubes for telescopic mast

INDIA



Process for Manufacturing of Steel cops/bobbins/prins for synthetic yarn

High focus on R&D and Innovations

Spends around **5% of revenue** on R&D

7 Patents Received

INDIA



Process for **manufacturing of Aluminium alloy cheese tube, cheese pipe or bobbin for woven sack**

INDIA



Process for **Manufacturing Steel Cheese tubes/ jumbo tubes/ pipes for woven-sacks and cops/ bobbins/ pirns for synthetic yarn**

INDIA



An Aluminium Alloy Bobbin With Internal Knurling for Improving Gripping And Manufacturing Method Thereof

High focus on R&D and Innovations

Spends around **5%** of revenue on R&D

Why **Siddhi Group** is best suited partner for your business



State-of-the-art manufacturing facility with robust quality management processes that ensures reliability and consistency



Our commitment to manufacture products that have enhanced features for higher functional performance



In-house product development capabilities & customization to embedded in strong in-house research and development



Our demonstrated success of delivery in import substitution in 30+ years



Our partnership centric approach with our customers to solve their deepest problem in cost-effective and efficient way (E.g. ISRO, DRDL, BAPL etc.)

Successful client case studies of co-development, innovation and problem solving



Supporting SAC(ISRO) to design and build efficient and cost-effective satellite payload systems

Context: SAC(ISRO) wanted low weight substitutes for Brass/Copper/Aluminium-based waveguide tube of thickness 1.2 mm

Approach: Siddhi Engineers innovated & developed 0.63 mm thick aluminium based waveguide tubes

15-20%



lower weight leading to saving satellite launching cost

2 Gold Medals



from Society of Aerospace Manufacturing Engineer (2009, 2017)



Helping Israel-based textile player in developing cost-effective bobbin to save reverse logistics cost

Context: Nilit used heavy metal cops that led to cost (reverse logistics) and supply chain hassles (inventory management, paper work, etc.)

Approach: Samruddhi Engineers re-designed & commercialized optimal grade steel tubes

60%



lower weight and zero reverse logistics

2 pronged approach to drive research and development within the group



Collaboration and partnership with institutions to drive research and development



Building culture of innovation and continual improvement



Monthly cadence of idea generation by involving shopfloor manpower (Karmayogi) to improve **product and processes**



Have developed **full time in-house innovation team** to drive change in equipment, process and products



Development of unique product features (light weight, better tolerance, optimal alloy composition, exceptional concentricity, etc.)

Innovative team & culture building practices being adopted



Daily Exercise, Prayer and Good News Sharing



Quarterly Karmayogi Meet



Graveyard for negative thoughts



Book distribution every month to all team members with their salary



Blood Donation & Dental Health check up Camps



[illegible][illegible][illegible][illegible]

Nayan Dave | TNN

Ahmedabad: During their college days in early 80s, these two roommates dreamt of reaching for the sky. Three decades on, the mechanical engineers have done it, literally. Siddhi Engineers, a firm promoted by Bhagavat Patel (50) and Prashant Gandhi (50) recently bagged an award from Union Ministry of Micro, Small & Medium Enterprises for designing high-precision tubes for Indian Space Research Organisation (ISRO). The space organisation will use these tubes to establish contact with GSAT-12, which is likely to be launched in 2010.

After passing out from Bir-la Vishwakarma Mahavidhyalay in Vallabh Vidyanagar, both Patel and Gandhi worked for seven years in different companies. "It was our dream that brought us together again in 1988. We thought of doing something on our own and launched a partnership firm with an initial invest-

ment of Rs 40,000," said Patel. Soon, they started manufacturing aluminium tubes for television antenna. Gradually, they started supplying a variety of aluminium tubes for industrial use. Their big moment came in 2002. The

firm supplied fuel supply line to ISRO for GSLV F01 satellite. There has been no looking back since then. Today, the Rs 10-crore firm employs over 150 persons.

"Scientists from Space Application Centre (SAC) wanted us to design a hollow aluminium rectangular tube, which is extremely lightweight and sturdy at the same time. Even a variation of 10 microns was not allowed. We took it as a challenge and succeeded," said Gandhi, talking about the award-winning product, which is used to manufacture 'Wave Guide', a crucial component for space-earth linkage. Siddhi Engineer's managed to nudge out a large multinational giant to bag the project from ISRO.



Prashant Gandhi (left) and Bhagavat Patel



Contact details

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