

EDGE (END) HARDENED Steel Cheese Tube (Patented for INDIA)

Specially developed Edge Hardened Steel Cheese Tubes (Patented), based on detail studying the problems for Deformation/Damage at the tube ends during handling and transportation.

About Siddhi Group

3+ decades of experience in Aluminum Precision Drawn Tubes & Metal Cops



— Our products are used across multiple industries —



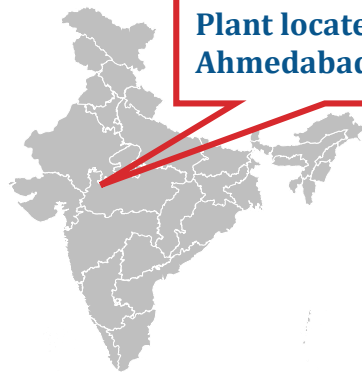
Who are we?

Diversified Group with 2 holding companies

- **Siddhi Engineers** : Manufacturer of Aluminum Precision Drawn Tubes from 20 different alloys since 1988
- **Samrudhi Engineering** : Engaged in manufacture of Metal Cops (bobbins/ pirns) for synthetic yarn winding since 1992



Strategically located
in Western India to
wide range of
industrial segments



Plant located in
Ahmedabad, Gujarat



Textile (incl.
packaging)

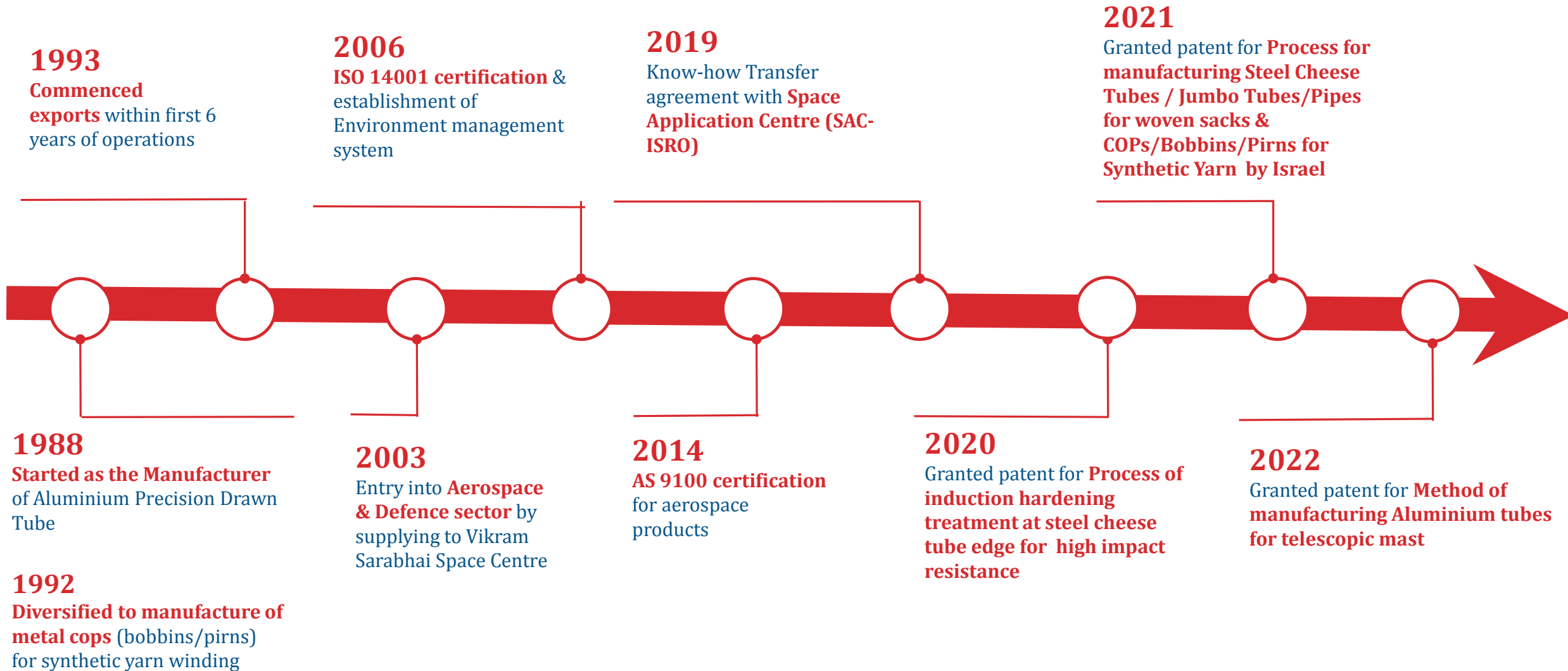


Aerospace &
Defence



Industrial &
General
Engineering

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



Our manufacturing & quality assurance capabilities



Draw Benches



Annealing Furnace



Straightening Machine



UTS Machine



Adapter Fitting Arrangement



Spindle Guide Fitting



Cop Assembly



Run-Out Measurement Arrangement



Cop Vibration Checking Arrangement

..that helps us manufacture wide range of products



Steel & Aluminium Cheese Tubes



Metal & Cops



Aluminium Precision Drawn Tubes



Plastic tubes & accessories



**30 million mtrs
aluminum
tubes delivered**

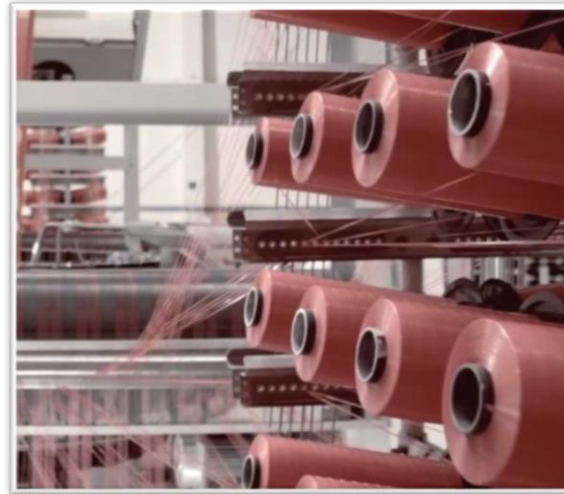
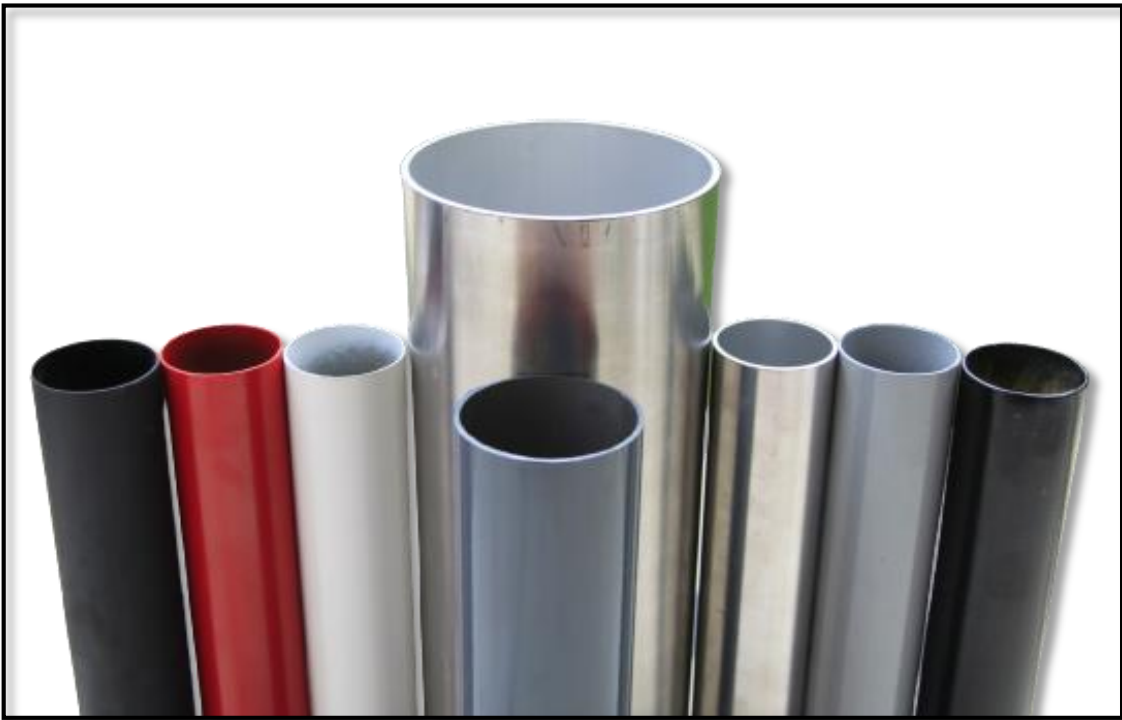


**15 million
metal cops
exported**



Products for Woven Sack & Allied Industries

STEEL / ALUMINIUM CHEESE TUBES



Woven Sack Industry



FIBC Industry

JUMBO TUBES



MULTI-FILAMENT



GEO-TEXTILE



CARPET BACKING

PAIN POINT FOR WOVEN SACK INDUSTRIES

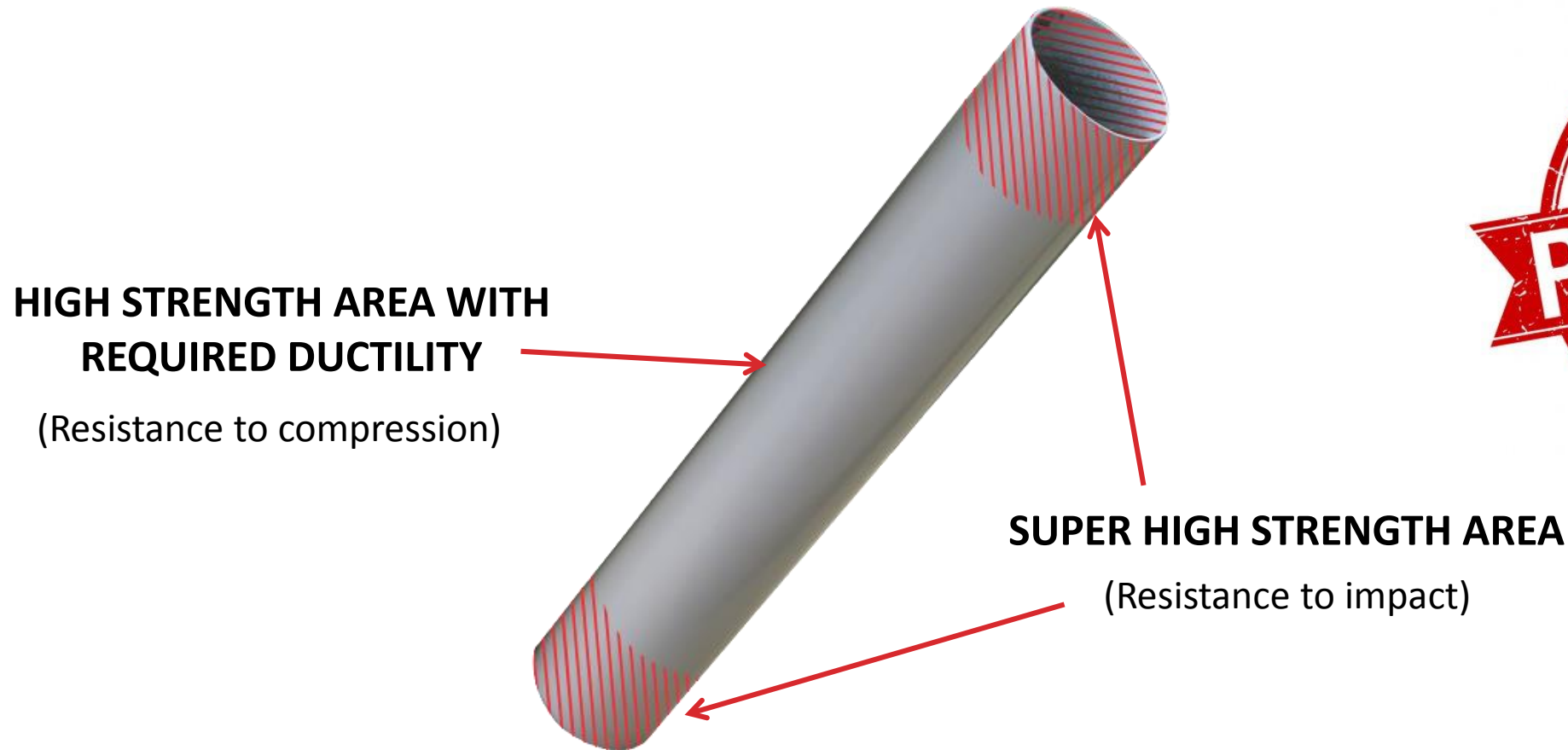


NAILS PROTECT THE FINGER FROM INJURY



SO DOES THE HARDENED EDGE FROM DAMAGE

“Quality is FITNESS FOR USE” – Joseph M. Juran



Added Value to the products

VALUE ADDITION

INCREASED LIFE

By number of cycles
due to

**BETTER
MECHANICAL
PROPERTIES**

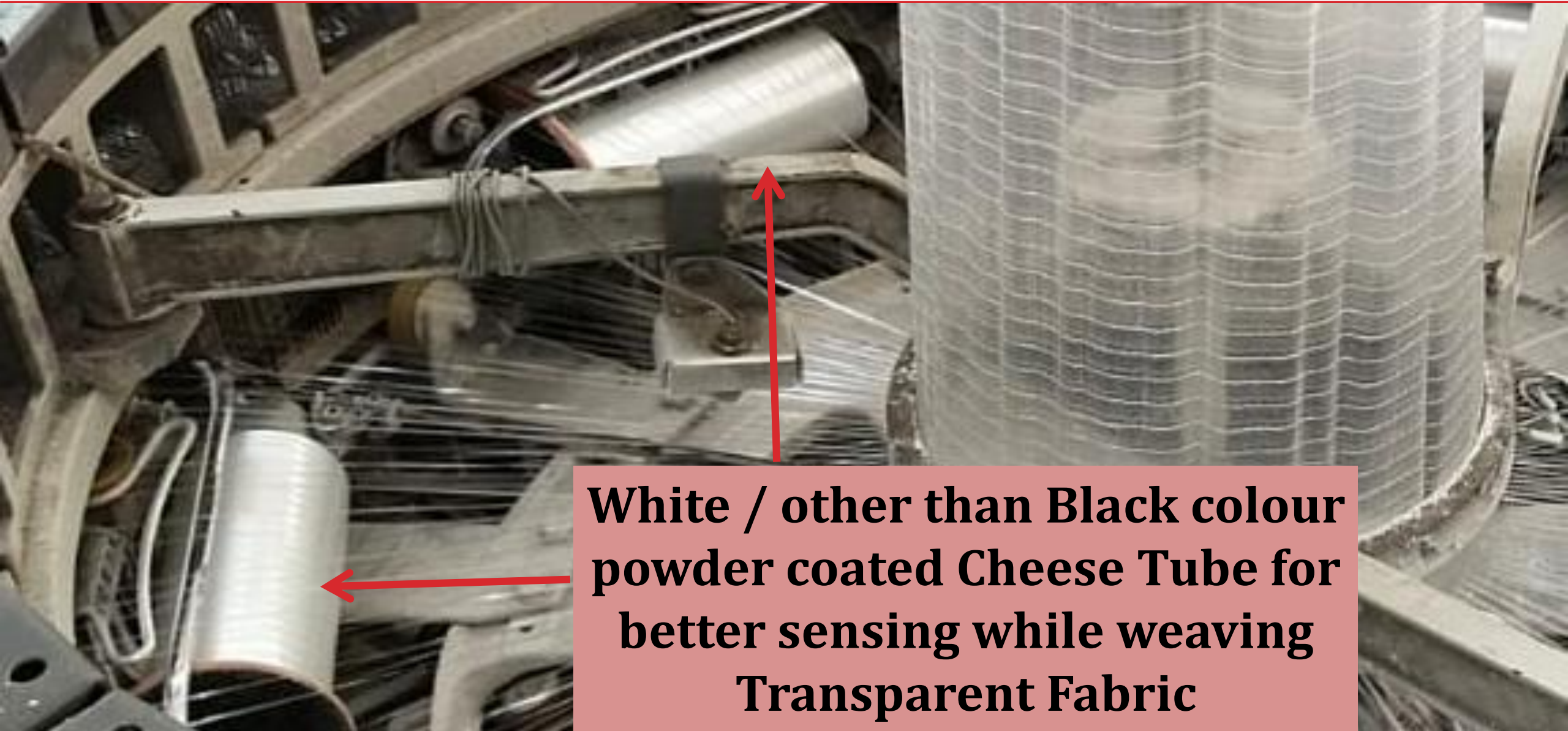
REDUCED COST PER CYCLE

and

**COST PER KG OF
PRODUCTION**

**RESIST
DEFORMATION or
DAMAGE** problem
due to **BETTER
HARDNESS**

Features



**White / other than Black colour
powder coated Cheese Tube for
better sensing while weaving
Transparent Fabric**

Features

Other color options like Red, White, Black, Green or more colours on request



Value Proposition

Aluminium CHEESE Tubes offered with

**Black Powder
Coating**



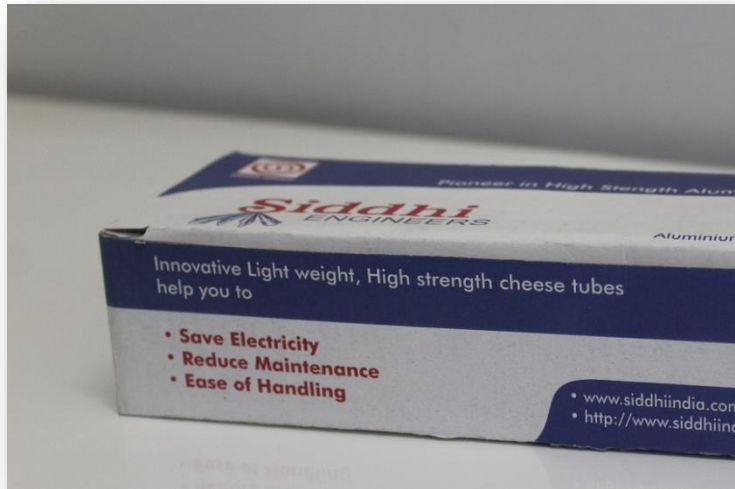
**Micro Grooving
with/without Anodizing**



**Longitudinal
Grooving**



Value Proposition



**Provide Product
Samples**



**MOQ
5000 Nos.**



**In 1-2 weeks from
confirmed order**

We have strong clientele base that can vouch for our commitment & delivery standards

SIDDHI ENGINEERS		Telephonic Follow-Up For Customer Feedback				Doc. No. QR/MKT/11	
Customer : VARIYAR POLYFAB							
Invoice No /date :		SIGST20000104					
Sr. No.	Feedback Points	Poor (1)	Good (2)	Better (3)	Best (4)		
1	Quality of the Material				4		
2	Packing Quality(Receiving End) / Condition of the box			3			
3	Documents (With Consignment)/ Inspection Reports/ Invoice				4		
4	Dispatch Details From Siddhi End (Time Frame)				4		
5	Adherence to Delivery Schedule			3			
6	Packing Details			3			
Total		0	0	9	12		
		21	% of Customer Satisfaction		87.50		
OVERALL EXPERIENCE - IT INCREASE THE LIFE OF CHEESE TUBE, EXCELLENT INNOVATION FROM SIDDHI ENGINEERS.							
Siddhi Representative : PARTH BAVALIYA Customer Representative/Designation : HEMANT GUPTA							

Document No: QR/MKT/04

SIDDHI ENGINEERING

CUSTOMER FEED BACK FORM

REF. NO.
DATE: 24/09/2018

Customers Name and Address

PT. SUMBER BENGAWAN PLASINDO
PULOSARI, SROYO, JATENKARAGANYAR - 57101
JAWA TENGAH, INDONESIA / Tel: +62 271 827601/ 02
Fax: +62 271 827604 / Email: purchasing@sbsplas.com

Customer Representative (Name & Designation)
Ms. Kartika

Segment & Application

About Rating :- (10-9 = Excellent, 8-7 = Very Good, 6-5 = Good, 4-3 = Average & 2-1 = Poor)

Sr. No.	Key Parameters	Rating on 1 to 10 scale
1	Response to inquiry & other Communication	8
2	Suggesting techno-economical viable alternative	9
3	Adherence to delivery schedule	8
4	Accommodating amendments, Product quality & quantity	8
5	Accommodating amendments, Delivery schedule/urgent requirement	9
6	Adherence to product Specification	9
7	Response and handling of customer complaint if any	8
8	Compliance to documents requirement	8
9	Condition of packing and marking	9
10	Attitude of Marketing people	8

Suggestion for Improvement:-

Date: 24 October 2018 Signature of Authorized Officer

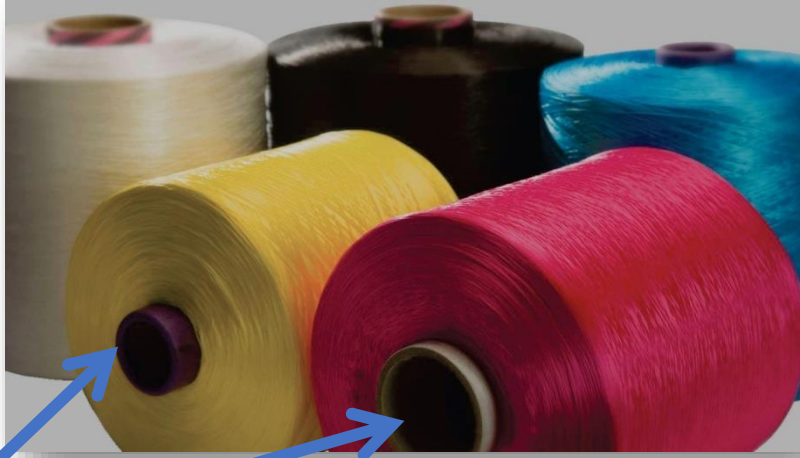
Name of Signing Person:
Kartika Dewa

Place: Solo / Karanganyar Seal of the Company

SIDDHI ENGINEERS		Telephonic Follow-Up For Customer Feedback				Doc. No. QR/MKT/11	
Customer : UNOVEL INDUSTRIES PVT LTD							
Invoice No /date :		SIGST20000151					
Sr. No.	Feedback Points	Poor (1)	Good (2)	Better (3)	Best (4)		
1	Quality of the Material				1		
2	Packing Quality(Receiving End) / Condition of the box			3			
3	Documents (With Consignment)/ Inspection Reports/ Invoice				4		
4	Dispatch Details From Siddhi End (Time Frame)				4		
5	Adherence to Delivery Schedule			3			
6	Packing Details			3			
Total		0	0	9	12		
		21	% of Customer Satisfaction		87.50		
OVERALL EXPERIENCE: THIS TUBE PREVENT FROM END DAMAGE. QUALITY IS VERY GOOD.							
Siddhi Representative : PARTH BAVALIYA Customer Representative/Designation : Mr. DEEYAK							

SIDDHI ENGINEERS		Telephonic Follow-Up For Customer Feedback				Doc. No. QR/MKT/11	
Customer : UNIASREE TEXPLAST							
Invoice No :		SIGST20000188					
Sr. No.	Feedback Points	Poor (1)	Good (2)	Better (3)	Best (4)		
1	Quality of the Material			3			
2	Packing Quality(Receiving End) / Condition of the box			3			
3	Documents (With Consignment)/ Inspection Reports/ Invoice			3			
4	Dispatch Details From Siddhi End (Time Frame)			3			
5	Adherence to Delivery Schedule			3			
6	Packing Details			3			
Total		0	0	18	0		
		18	% of Customer Satisfaction		75.00		
Suggestion for Improvement : Quality is good							
Siddhi Representative : VARUN RAWAL Customer Representative/Designation : CHETAN JOSHI (PURCHASE)							

Other useful Products



**FROM
PAPER TUBE**

**TO
ALUMINIUM TUBE**



Aluminium Tube for
Multifilament Yarn
1st time in the WORLD (Patented)

Size: ID 110 x OD 116 (in mm)

Paper Tube to be
replaced by
Aluminium Tubes for
In-house rotation

Quick payback
within 3-6 Months

Other useful Products

Aluminium Cheese Tube

100 Grams - 1st time in the WORLD
(lightest – Patent Applied)

Size: ID 35 x THK 1.5 x L 218 (in mm)



Useful Videos



Awards & Certifications

50+ awards and counting

Certifications



Export Excellence



Research & Development



Entrepreneurship



Banker's award



Banker's award



Make in India award



Gold Medals from SAME (2009, 2017)



AS 9100D
ISO 9110:2015
Quality Management



ISO 9001:2015
Quality Management

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 steel cheese tubes, jumbo tubes, pipes for woven sacks and cops, bobbin, pirns for synthetic yarn

High focus on R&D and Innovations

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

7 Patents Received

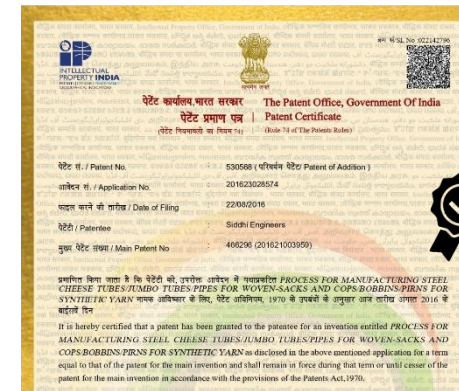
INDIA



PATENTED

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

INDIA



PATENTED

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

INDIA



PATENTED

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.)

Innovation and 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**



Media Coverage

Siddhi Engineers awarded for outstanding entrepreneurship

BIG ON EXCELLENCE

MSME ENTERPRISES		RESEARCH & DEVELOPMENT	
Award Winner	Company	Award Winner	Company
Vishwanath Parikh	Shipwreck Systems	Ghanshyam Dhamani	Model Refrigerators
Siddhi Parman	Energy Mission Engineers	Mangabhai Patel	Capitain Tractors
Mangabhai Patel	Capitain Tractors	Bharat Patel	Techno Industries
Harish Patel	Vasu Healthcare	Bhagavat Patel	Siddhi Engineers
Bharat Patel	Techno Industries	Harish Patel	Vasu Healthcare
Dinesh Daga	Shree Hing Alloys		
Chandrabhai Kothiyal	Ganesh Chemicals		
Bhagavat Patel	Siddhi Engineers		
Nilesh Shah	Sweet Sweets		

QUALITY PRODUCTS	
Award Winner	Company
Ramesh Khakhadiya	Capitain Polyplast

15 State-Based MSMEs Receive Awards From Centre For Innovation, Quality

Himanshu Dargi, Director, Centre for Innovation, Quality

SMALL is something big. This is true for Kala-based award-winning Siddhi Engineers, the recipient of national awards for its outstanding entrepreneurship for its outstanding entrepreneurship in New Delhi on August 28, 2019.

Siddhi Engineers manufactures aluminium pipes for aerospacelike industries and supplies them to Indian Space Research Organisation (ISRO) and Space Applications Satellite Centre (SAC), Ahmedabad. These pipes were originally imported from France, New York and Singapore supplying these pipes, not only valuable foreign exchange saving but also the cost of the pipes by 80%.

Appreciating the contribution in R&D, prime minister Manmohan Singh presented the award to Bhagavat Patel, chairman of the company, at New Delhi.

"We are honoured to be a part of this event," he said.

સ્માર્ટ ગુજરાતી

છેલ્લાં પાંચ વર્ષથી કંપનીના કર્મચારીઓ નાની મોટીવેશનલ પુસ્તિકાઓથી નવા વિચારોનું ઇંદણ લઈ જેમ ભરે છે

“મંગળ” યાત્રામાં આ ગુજરાતીનું અમૂલ્ય યોગદાન

સ્માર્ટ ગુજરાતી

ગુજરાતી રજૂ કરી રહેલા ‘મંગળ’ પુસ્તિકાનું સંપાદન કરનાર સ્માર્ટ ગુજરાતીના સંપાદકો અને લેખકોની ટીમની તસવીર.

સ્માર્ટ ગુજરાતીના સંપાદકો અને લેખકોની ટીમની તસવીર.

સ્માર્ટ ગુજરાતીના સંપાદકો અને લેખકોની ટીમની તસવીર.

Sky's the limit to their aspirations

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 Birla Vishwakarma Mahavidyalaya 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 investment 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 Engineers managed to nudge out a large multinational giant to bag the project from ISRO.



Prashant Gandhi (left) and Bhagavat Patel

હસરોના ઉપગ્રહમાં ગુજરાતની લઘુ ઉદ્યોગ ક્ષેત્રની કંપનીનું મોટું યોગદાન

ગુજરાતના 15 એકમને આર એન્ડ ડી એમએસએમઇ નેશનલ એવોર્ડ

સિદ્ધિ સન્માન

સિદ્ધિ ગૃપની સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો

સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો. આ એવોર્ડ સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો.

સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો.

સિદ્ધિ ગૃપની સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો

સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો.

સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો.

સિદ્ધિ ગૃપના સમૃદ્ધિ એન્જીનીયરીંગને માઈક્રો એન્ટરપ્રાઇઝ એવોર્ડ મળ્યો.



SIDDHI GROUP

Key team & contact details



Mr. Prashant Gandhi
Partner



Mr. Bhagwat Patel
Partner



Mr. Shailesh Patel
Partner



(M): +91 9328229012
(E): prg@siddhiindia.com



(M): +91 9327999014
(E): brp@siddhiindia.com



(M): +91 9328229013
(E): srp@siddhiindia.com



Siddhi Engineers
'SIDDHI HOUSE' 6, Virkunj Society,
Near Vidyanagar School, Usmanpura,
Ahmedabad – 380014, Gujarat - INDIA

<https://www.siddhiindia.com>

<https://www.cheesetubes.com/>