



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





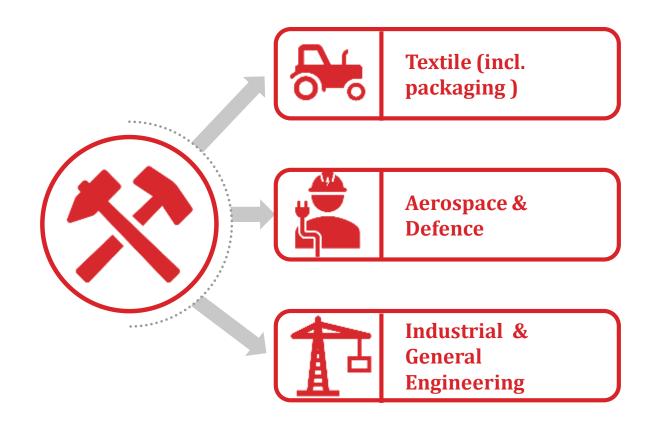
Diversified Group with 2 holding companies

- 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





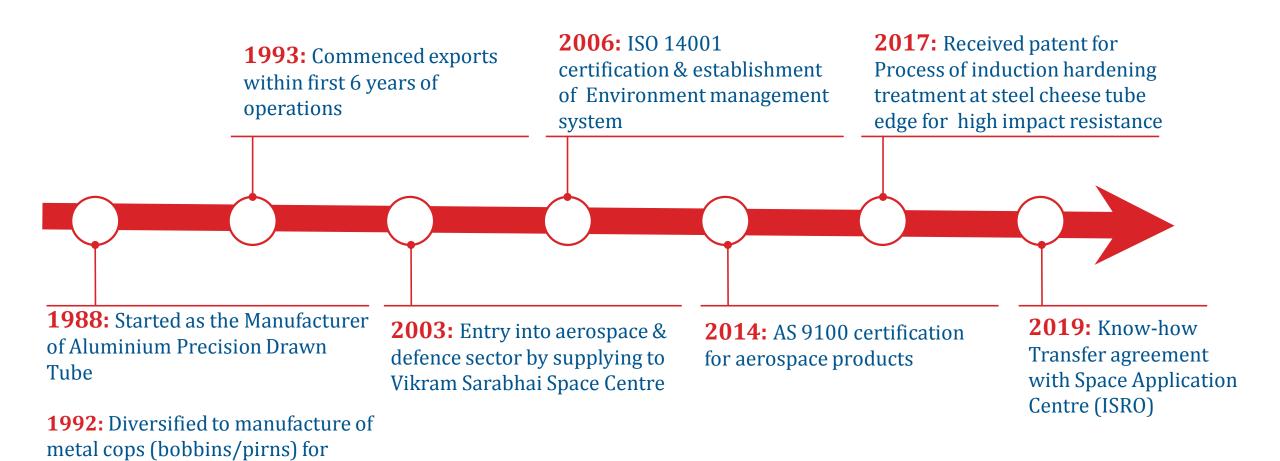
Our products are used across multiple industries →



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

synthetic yarn winding





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



Aluminium Precision Drawn Tubes











Aluminium & Steel Cheese Tubes







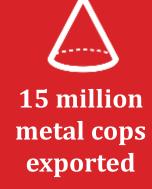














Products for Woven Sack & Allied Industries

STEEL / ALUMINIUM CHEESE TUBES









Woven Sack Industry

FIBC Industry

JUMBO TUBES











GEO-TEXTILE



CARPET BACKING

PAIN POINT FOR WOVEN SACK INDUSTRIES











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

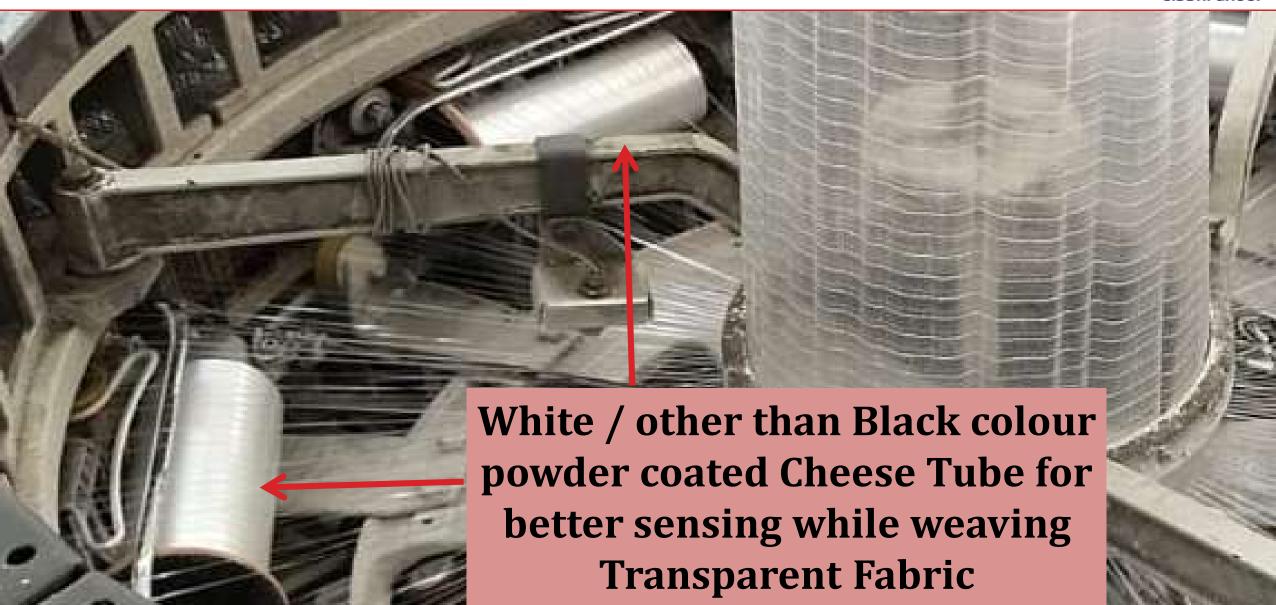
and

COST PER KG OF PRODUCTION

RESIST
DEFORMATION or
DAMAGE problem
due to BETTER
HARDNESS











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







Aluminium CHEESE Tubes offered with

Black Powder Coating

Micro Grooving with/without Anodizing

Longitudinal Grooving







Value Proposition









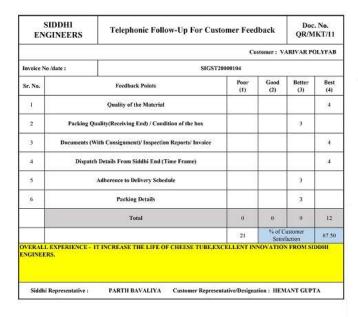
Provide Product Samples

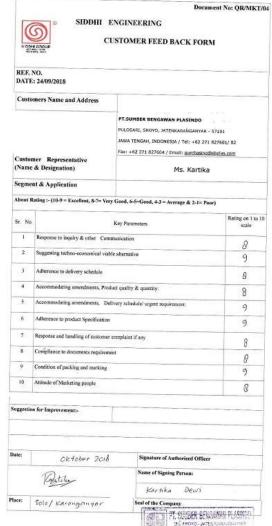
MOQ 5000 Nos.

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 Cu	Doc. No. QR/MKT/11 INDUSTRIES PVT LTI					
Invoke N	o sdate :	SIGST2000C151						
Sr. No.	Feedback Points		Poor (I)	Good (2)	Better (3)	Bast (4)		
1	Quality of the Material					1		
2	Packing Quality(Receiving End) / Condition of the box				3			
3	Document: (With Consignment)/ inspection Feports/ Invoice							
4	Dispetch Details From Siddhi End (Time Frame)					•		
5	Afherence to Delivery Schedule				33			
6	Packing Details				3			
	Total		0	0	9	12		
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SIDDHI ENGINEERS		Telephonic Follow-Up For Customer Feedback			Doc. No. QR/MKT/11		
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Invoice No : SIG			GST20000188				
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 Schodule				3		
6	Packing Details				3		
	Total		0	-0	18	0	
			.18	% of Customer Satisfaction		75,00	

Other useful Products





Aluminium Jumbo Tube for

Multifilament Yarn

1st time in the WORLD (Patent Applied)

Size: ID 110 x OD 116 (in mm)

FROM PAPER TUBE

TO ALUMINIUM TUBE



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

Quick payback within 3-6 Months



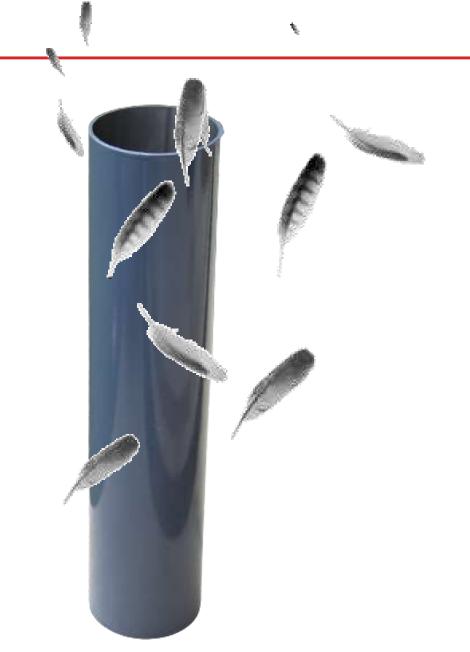


Aluminium Cheese Tube

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



45+ awards and counting



Export Excellence



Research & Development



Entrepreneurship





Banker'award



Society of Aerospace Manufacturers



Make in India award

Certifications



ISO 9001 - 2015 quality management



ISO 14001 - 2015 Environment management



EN 9100 - 2018 Aerospace Products

Patent Applications made and in process



High focus on research and innovative solutioning

Spends around 5% of revenue on R&D

1 patent received



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

5 Patents applications in process



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



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



Process for **manufacturing of steel cops**/ bobbins/ pirns for synthetic yarn



Method of **manufacturing Aluminium tubes** for telescopic mast



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





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

Why Siddhi
Group is best
suited partner
for your
business

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



Select Examples



Helping ISRO design and build efficient and cost-effective satellite systems

Context: ISRO wanted low weight substitutes for wave guide tube: brass/copper-based wave guide tube of thickness 1.2 mm used

Approach: Siddhi Engineers developed & innovated 0.63 mm aluminium based wave guide tubes

Gold



from Indian Space and Defense Programme (2009)



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%

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lower weight and zero reverse logistics

15-20%

lower weight leading to efficient space system design

2 pronged approach to drive research and development within the group



Collaboration and partnership with institutions to drive research and development



राष्ट्रीय डिज़ाइन संस्थान NATIONAL INSTITUTE OF DESIGN













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



Good Book every month to all team members with their salary

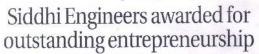


Blood Donation & Dental Health check up Camps



Media publication and press releases







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

SMALL resometimes big. This is to exten Kalal-hased Reffcremeurshing New Delhi on August 28, 2009.

Siddrif Engineers menufactures aluminium pipes for aerospare Industries and supplies them to Indian Space Research Organisation (ISRO) and Spare Application Satellite (SAC), Alimedated These processors organily imported. This is the first time that Gojard-based Industries have re-

We are banaged that a small company located in Atal Kapan

ISRO is now sourcing aluminatum pipes from us. It is much cheaper than the earlier ones apposed from France These pipes are being unlised to time tradeout munication

from France. Now with Soldhist negroes supplying these press in only smalled benegate schenges being seven by a state you mailed benegate schenges being seven by a state based a transporties were recipients of this presspons a state based a transporties were recipients of the presspons. The recipients of the presspons of the recipients of the recipients of the recipients of the presspons of the recipients of the r Appreciating the corresponding to 84-0, prime immission, a matter of great grade losses. This is a testimony to the en-Mammolian Single presented if a award to Bhagwar Patel. Trepreneus and impostance sport of Gujerat's industries, said Gularat State Small Industries Federation president.

more Siddii Engineers the recovery of national awards for curry, small and mediumen recovers show a standing entre. We have also bagged contracts from the defence serior," said Mr Patel. Along with Siddle Engineers, a total of 15 MSMEs of Caljural were awarded by the central government for their in-



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Sky's the limit to page 100 5/9/2009 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 Mahavidhyalay in Vallabh Vidyanagar, both Patel and Gandhi worked for seven years in difdream that brought us together again in 1988. We thought of doing something on our own



Prashant Gandhi (left) and Bhagavat Patel

ment of Rs 40,000," said Patel.

Soon, they started manuferent companies. "It was our facturing aluminium tubes ally, they started supplying a firm with an initial invest- moment came in 2002. The bagthe project from ISRO.

firm supplied fuel supply line to ISRO for GSLV F01 satellite. There has been 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 holaluminium rectangular tube. which is extremely lightweight and sturdy at the same time. Even a variation of 10 microns was not allowed. We tookitasachallenge succeeded. said Gandhi, talk-

ing about the award-winning product, which is used to manufacture 'Wave Guide', a crufor television antenna. Gradu- cial component for spaceearth linkage. Siddhi Engivariety of aluminium tubes neer's managed to nudge out a and launched a partnership for industrial use. Their big large multinational giant to



Key team & contact details



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Mr. Bhagwat Patel Partner



Mr. Shailesh Patel
Partner



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