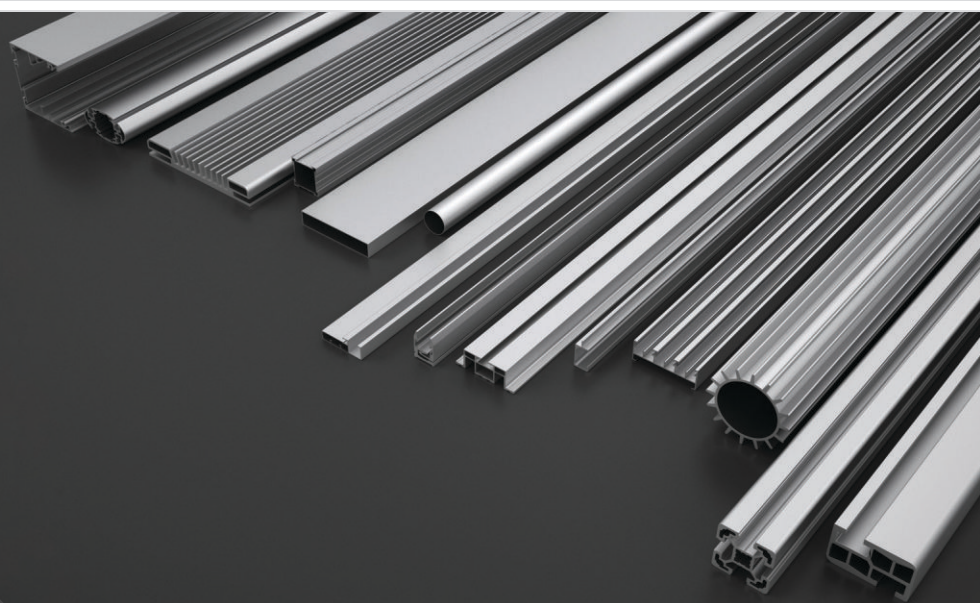




Manufacturer of Aluminium Profiles



Engineered to Perfection



AN ISO 9001: 2015 & 14001: 2015 Certified Company

Engineered to Perfection

History

Ratnashri Aluminium Pvt. Ltd. is a joint venture of Raajratna Group of Companies and Rolling Mills (India) engaged in manufacturing of stainless steel products since 1978.

Company Profile

Ratnashri Aluminium is an ISO 9001:2015 & 14001:2015 certified company. mainly engaged into manufacturing of Aluminium Extrusion Products like Profiles, Sections, Solids etc. having a huge market with varied industrial as well as architectural uses. The company has set-up a brand new plant with imported machinery & best available technology at Village: Rajpur, Taluka: Kadi, near Ahmedabad. The plant is equipped with highly testing equipment like Spectrometer, Hardness tester, UTM, Profile Projector (IMS) etc. Also we have hired a team of the best technical and managerial staff to achieve our goals.

The Vision

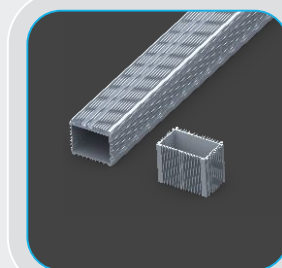
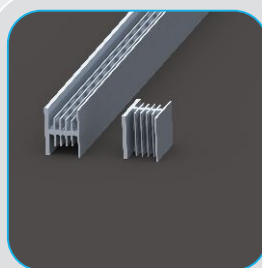
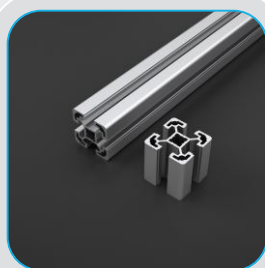
The vision of the directors of company is to produce the best available quality of Aluminium Extruded Products.

The Motto

Our policy is not only to surprise our customers but to amaze them with our quality of products and service of the customers' needs with on time delivery of quality products.

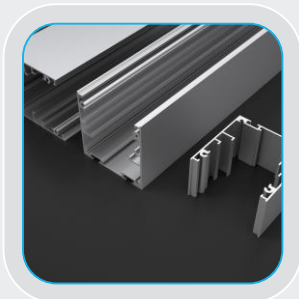
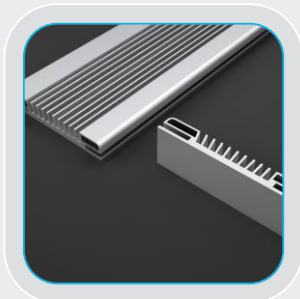
Our Infrastructure

- Highly Energy Efficient Alloying & Melting Furnace
- Hot Top Casting Facility for Quality Billets
- Homogenizing Furnace
- Highly Energy Efficient Single Log Heater with Hot Log Shear
- Energy Efficient Modern 1000 M. tons & 2000 M. tons Extrusion Press
- Fully Automatic stretcher with Automatic Handling Table
- Aging furnace for Heat Treatment of finish material



Alloy Standards

EUROPEAN STANDARD	BRITISH STANDARD	US STANDARD (AA)	GERMAN STANDARD (DIN)	ISO STANDARD	INDIAN STANDARD	CANADIAN STANDARD
EN AW-1050A	1E	1050	Al99.5	Al99.5	19500, 19501	1 S
EN AW-1070A	—	1070	Al-99.7	Al-99.7	19700	—
EN AW-1100	1C	1100	Al-99.0	Al-99.0	19000	2 S
EN AW-3003	N3	3003	AlMnCu	AlMn1Cu	31000	3 S
EN AW-3103	—	3103	—	AlMn1	—	—
EN AW-5083**	—	5083	AlMg4.5Mn0.7	AlMg4.5Mn	54300	—
EN AW-6005	—	6005	AlMgSi0.7	AlSiMg	62400	C51S
EN AW-6005A	—	6005A	AlMgSi(A)	AlSiMg(A)		
EN AW-6060	—	6060	AlMgSi 0.5	AlMgSi	—	—
EN AW-6061	He20	6061	AlMgSiCu	AlMg1SiCu	65032	65S
EN AW-6063	He9	6063	AlMgSi0.5	AlMg0.7Si	63400	50S
EN AW-6082	He30	6351	AlMgSi1	AlSi1MgMn	64430	B51S
EN AW-6101B	E91E	6101	E AlMgSi 0.5	E AlMgSi(A)	63401	D50S
EN AW-6351	He30	6351	AlMgSi1	AlSiMg0.5Mn	64430	B51S
EN AW-6026LF**	-	6026	AlMg3	-	-	-
EN AW-6042**	-	6042	-	-	-	-
EN AW-6262**	-	6262	AlMg1SiPb	-	-	-

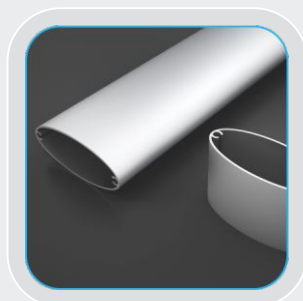
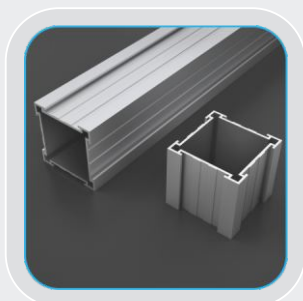
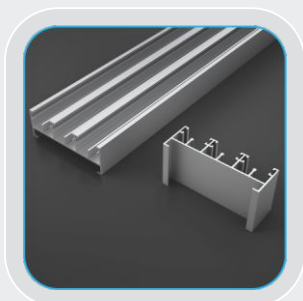


Engineered to Perfection

Chemical Composition

ALLOY	% Si	% Mg	% Mn	% Cu	% Fe	% Cr	% Zn	% Ti	% OTHERS	% Al
ENAW-1050A	0.25Max	0.05Max	0.05Max	0.05Max	0.40Max	—	0.07Max	0.05Max	—	99.5Min
ENAW-1070A	0.20Max	0.03Max	0.03Max	0.03Max	0.25Max	—	0.07Max	0.03Max	—	99.7Min
ENAW-1100	Si+Fe0.95Max	—	0.05Max	0.05-0.20	—	—	0.10Max	0.05Max	—	99.0Min
ENAW-3003	0.60Max	—	1.00-1.50	0.05-0.20	0.70Max	—	0.10Max	—	0.15Max	Bal.
ENAW-3103	0.50Max	0.30Max	0.90-1.50	0.10Max	0.70Max	0.10Max	0.20Max	0.10Max	—	Bal.
ENAW-6005	0.60-0.90	0.40-0.60	0.10Max	0.10Max	0.35Max	0.10Max	0.10Max	0.10Max	—	Bal.
ENAW-6005A	0.50-0.90	0.40-0.70	0.50Max	0.30Max	0.35Max	0.30Max	0.20Max	0.10Max	0.15Max	Bal.
ENAW-6060	0.30-0.60	0.35-0.60	0.10Max	0.10Max	0.10-0.30	0.05Max	0.15Max	0.10Max	—	Bal.
ENAW-6061	0.40-0.80	0.80-1.20	0.15Max	0.15-0.40	0.70Max	0.04-0.35	0.25Max	0.15Max	—	Bal.
ENAW-6063	0.20-0.60	0.45-0.90	0.10Max	0.10Max	0.35Max	0.10Max	0.10Max	0.10Max	—	Bal.
ENAW-6082	0.70-1.30	0.60-1.20	0.40-1.0	0.10Max	0.50Max	0.25Max	0.20Max	0.10Max	—	Bal.
ENAW-6101B	0.30-0.7	0.40-0.90	0.03Max	0.05Max	0.40Max	—	—	—	0.10Max	Bal.
ENAW-6351	0.70-1.30	0.40-0.80	0.40-0.80	0.10Max	0.50Max	—	0.20Max	0.20Max	0.15Max	Bal.
ENAW-6262**	0.40-0.80	0.80-1.20	0.15Max	0.15-0.40	0.70Max	0.04-0.14	0.25Max	0.15Max	Bi: 0.40-0.70 Pb: 0.40-0.70	Bal.
ENAW-6042**	0.50-1.2	0.70-1.20	0.40Max	0.20-0.50	0.7Max	0.04-0.35	0.25max	0.15max	Bi: 0.20-0.80 Pb: 0.15-0.40	Bal.
ENAW-6026LF**	0.60-1.40	0.60-1.20	0.2-1.00	0.20-0.50	0.70Max	0.30Max	0.30Max	0.20Max	Bi: 0.50-1.50 Pb: 0.05Max	Bal.

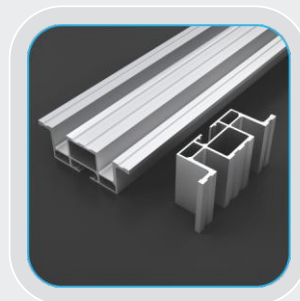
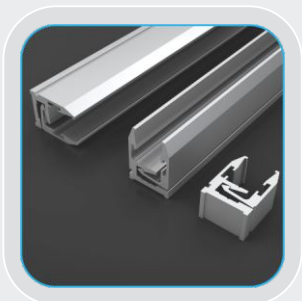
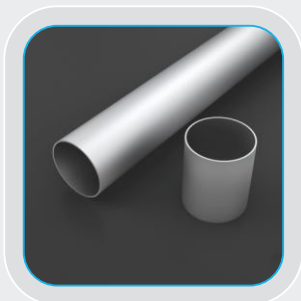
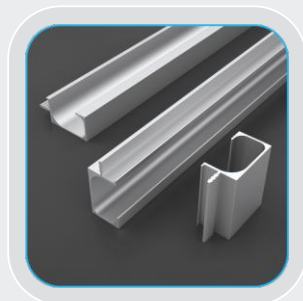
Note : Composition is in maximum unless shown as a range or as a minimum.



Mechanical & Electrical Properties

ALLOY	TEMPER	UTS (MPA)		YIELD STRENGTH (MPA)		ELONGATION (%)	ELECTRICAL PROPERTIES	APPLICATIONS
		MIN	MAX	MIN	MAX	A 50 mm(MIN)	% IACS (MIN)	
EN AW-1050A	F	60	—	20	—	23	60	Electrical Conductors, Bus bar, wire, cable sheathing, imact- extruded products, pressing utilities of anodizing quality, pen, caps, piping
	O	60	95	20	—	23	61	
EN AW-1100	O	75	110	—	—	25	61	
							-	
EN AW-3003	F	95	—	35	—	20	-	Medium strength applications for tubing, heat exchanger, condenser, air-conditioning
	O	95	135	35	—	20	-	
EN AW-3103	F	95	—	35	—	20	-	
	O	95	135	35	—	20	-	
EN AW-6005	T4	180	—	90	—	13	-	Screw machine products, camera patrs, nuts, couplings, marine fittings, tubing for
	T6	270	—	225	—	6	-	
EN AW-6005A	T4	180	—	90	—	13	-	
	T6	270	—	225	—	6	-	
EN AW-6060	T4	120	—	60	14	12	-	Building hardware, architectural, medium strength furniture, and general application
	T5	160	—	120	—	6	46	
	T6	190	—	150	—	6	48	
	T64	180	—	120	—	10	48	
	T66	215	—	160	—	6	49	
EN AW-6061	O	—	150	—	110	14	-	Heavy duty structures, sections for transport body structuree.g bus, trucks, rail coach, Automotive, general machining
	T4	180	—	110	—	13	-	
	T6	260	—	240	—	6	-	
EN AW-6063	O	—	130	—	—	16	-	Pneumatic cyclinders, oxygen cylinders, Building hardware, architectural, medium strength furniture, and general application
	T4	130	—	65	—	12	-	
	T5	175	—	130	—	6	46	
	T6	215	—	170	—	6	48	
	T66	245	—	200	—	6	49	

(Cont...)



Engineered to Perfection

Mechanical & Electrical Properties (Cont...)

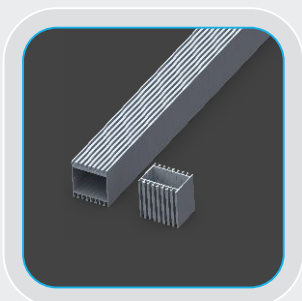
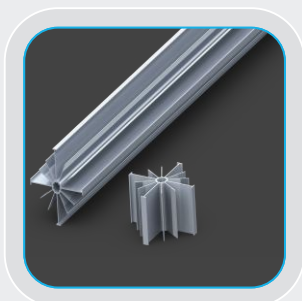
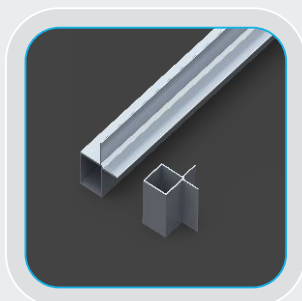
ALLOY	TEMPER	UTS (MPA)		YIELD STRENGTH (MPA)		ELONGATION (%)	ELECTRICAL PROPERTIES	APPLICATIONS
		MIN	MAX	MIN	MAX	A 50 mm(MIN)	% IACS (MIN)	
EN AW-6082	O	—	160	—	110	12	-	Heavy duty structures truss, crane, sections for transport body structure e.g bus, trucks, rail coach, Automotive components, general machining, general engineering
	T4	205	—	110	—	12	-	
	T5	270	—	230	—	6	-	
	T6	290	—	250	—	6	-	
EN AW-6101B/63401	T6	200	—	170	—	8	55	Electrical Conductors, Bus bar
	T7	170	—	135	—	8	56.5	
EN AW-6351	O	—	160	—	110	12	-	furniture, railways, ladders, transportation, general machining application
	T4	205	—	110	—	12	-	
	T6	290	—	250	—	6	-	
EN AW-6026LF**	T4	220	—	120	—	12	-	Lead free General Engineering, machining components, e.g Nuts, bolts, screw, textile components
	T6	360	—	300	—	6	-	
EN AW-6262**	T5, T5511	280	—	260	—	10	44	General machining with good conductivity, electrical/electronics components
EN AW-6042**	T5, T5511	265	—	242	—	10	44	

Note :

** Indicates minimum order quantity (MOQ) for the Alloy more then regular MOQ for regular Alloys.

We offer high strength electrical bus bar and conductors (EN AW-6101A)

We also produce alloys as per specific requirements.



Quality Control

We have installed following machines to ensure product quality as per international standards

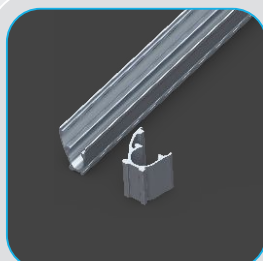
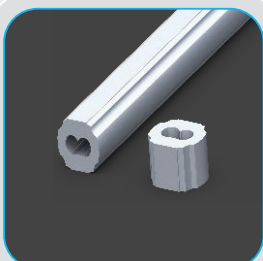
- Spectrometer
- UTS Machine
- Hardness Tester
- Webster Hardness Tester
- Electrical Conductivity Meter
- Profile Projector (IDMS / VMS)

We have installed a process of online inspection at every intermediate stage apart from final inspection before delivering the goods to ensure that all our products meet the quality requirement of our customers.

End Use Applications

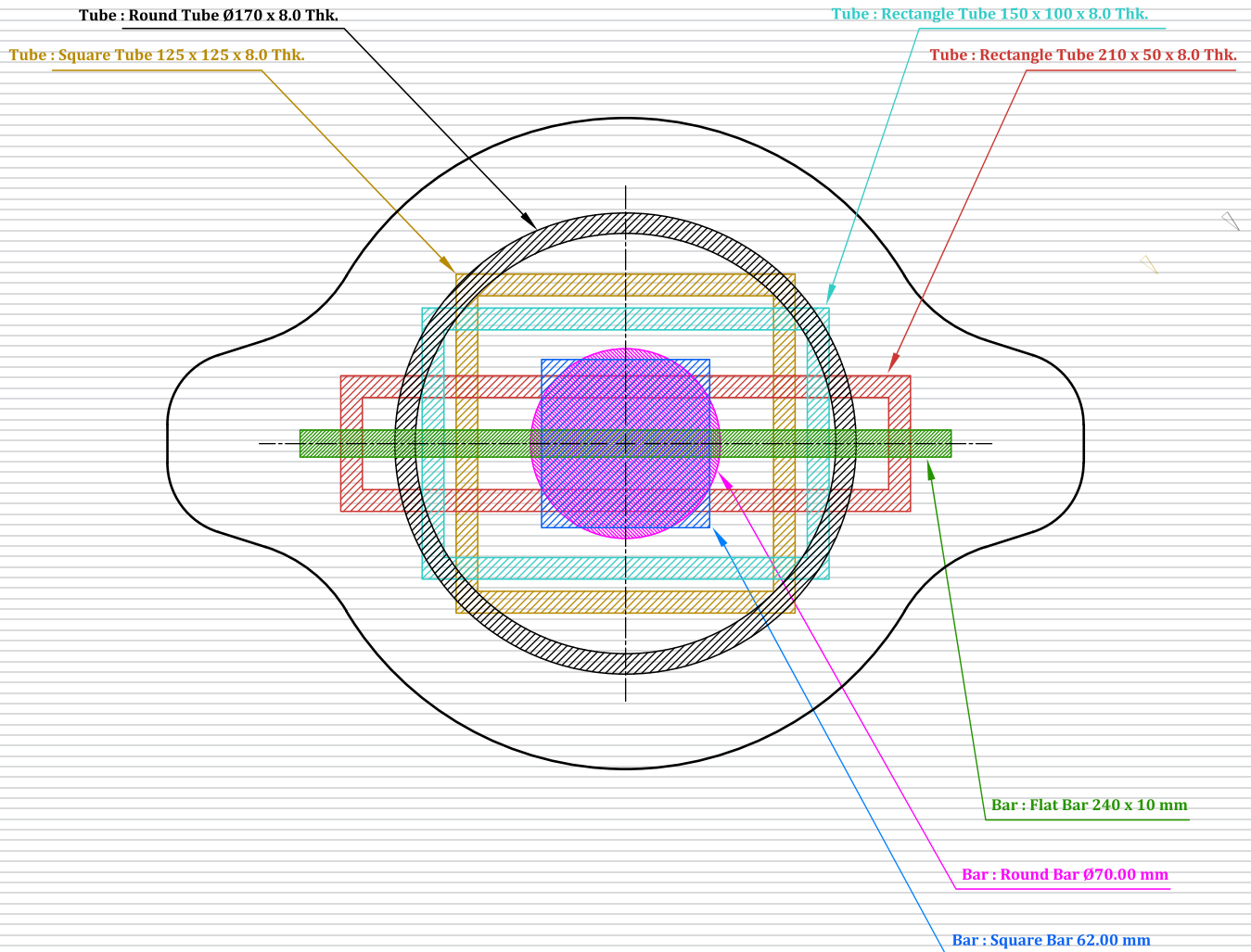
Our extrusion manufacturing facilities produce profiles to the highest quality for use in numerous applications, such as

- Architectural
- Solar Industry
- Electrical
- Automotive
- General Engineering
- Marine
- Road & Transport



Engineered to Perfection

Sizing Capabilities



Ratnashri[®]
Aluminium Pvt. Ltd.

Registered Office :
1307, 13th Floor, Phoenix,
Vijay Cross Road to Commerce
Six Road, Navrangpura,
Ahmedabad-380 009, Gujarat, India.

Works :
Survey No. : 672/1-2,
Behind Madhu Textiles,
Village : Rajpur, Taluka : Kadi,
District : Mehsana-382715, Gujarat, India.

Manufacturer of Aluminium Profiles

AN ISO 9001: 2015 & 14001: 2015 Certified Company

Tel : +91-79-2756 1333, 4032 1333

E-mail : sales@ratnashri.co.in | Web : www.ratnashri.co.in

CIN No. : U27203GJ2012PTC071625