



NEWTECH DEFENCE AND AEROSPACE PVT. LTD.

BUILDING A SECURE AND STRONG NATION, ONE ALLOY AT A TIME.

MANUFACTURER AND STOCKISTS OF
ALUMINIUM - STEEL - TITANIUM
YELLOW METAL TO
**AEROSPACE AND
DEFENCE INDUSTRIES**



**ONE OF INDIA LARGEST AS9120B CERTIFIED SUPPLIER
TO LARGE OEMS AND THEIR VENDORS.**

ABOUT US

NewTech Defence and Aerospace Private Limited

NewTech Defence and Aerospace Private Limited is a distinguished group company of the Navbharat Group of Industries and Nirmal Steel Center, standing at the forefront of innovation and excellence in aerospace, defence, shipbuilding, and railway materials. With a legacy spanning over five decades and an annual turnover of ₹200 crores, we offer unmatched expertise and experience to our clients, making us a trusted partner for even the most complex metal alloy requirements.

Founded by **Mr. Dheeraj Jain** and **Mr. Vatsal Bhogayta**, second-generation entrepreneurs with profound knowledge of metal alloys and materials, NewTech is rooted in a commitment to quality, ethics, and customer-centricity.



Specializing in premium materials for the aerospace, defence, shipbuilding, and railway sectors, NewTech is your comprehensive solution for all metal alloy needs. Our strong global network of mills across North America, Europe, and beyond enables us to source only the finest raw materials from AS Certified Mills that meet rigorous international standards.

With a focus on understanding our customers' unique requirements, upholding the highest ethical standards, and delivering superior quality, we have earned a reputation as a trusted name in the industry. At NewTech, we are more than a supplier; we are a strategic partner dedicated to building a secure and resilient nation.

**Let's connect and build a secure and strong nation,
one alloy at a time.**

MOST COMMONLY SUPPLIED GRADES



ALUMINIUM ALLOYS:

Series 2xxx, 6xxx, 7xxx. BSL111, 113, 117, 118, 156, 157,158, 161, 162, 164, 168, 170. BS2L88, BS2L95, BS2L97, 98, BSH16, BSH17, HE20, HP20, HS20, HE30, HP30, HS30. Russian Grades -1201, AMg6, V95 (B95), AK-4-1ψ, Д16.

SPECIALTY STEEL/ SS:

304/304L, 316/316L/316 LN, 321, 347/347H, 310,301 Half/Full hard, 409, 410, 420, 430, 440/440C, 446, 450 Cb, A286, XM19.
11-10, 13-8,15-5, 15-7, 17-4, 17-7. 15CDV6, Maraging250/350. 12X18H10T, 06X18H10T, 20X13, 09X16HG6, 12X2H5T-В Д, 03X12H10MTP- В Д

TITANIUM BASED ALLOYS:

Ti-6Al-4V (Gr.5), Ti-6Al-4V ELI (Gr.23), Ti-3Al-2.5V (Gr.9), Ti-6-2-4-2, Ti8DV, Ti-15V-3Al-3Cr-3Sn, Ti-5Al-2.5Sn, Ti-6Al-6V-2Sn, Grade 1, Grade 2, Grade 4, Grade 17, Ti- CP70. BT5-1, BT6, BT6C, BT9, BT14, BT16, BT20, BT23, OT4, OT4-1, BT-1-0, BT-1-00

COBALT BASED ALLOYS:

L 605, HX 188, N155, MP35N

NICKEL BASED ALLOYS:

In 718, In 625, H-X, X-750, C-263, H230, N80A, N115, H242, H214, IN600, IN601, Waspaloy, Rene 41, IN617, 706, 90, 800H, C-276, C-22.

HANDLING MATERIALS WITH MANUFACTURER TRADEMARK

INCONEL	INCOLOY
NIMONIC	MONEL
HASTELLOY	NICROFER
HAYNES	UDIMET

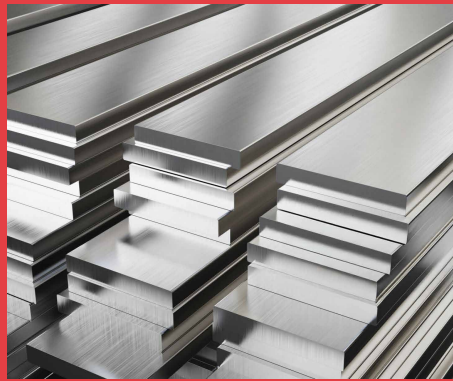
SERVICES



METAL CUT TO SIZE

New Tech is equipped with advanced metal sawing and cutting technology, catering to the Aerospace and Defence Industries.

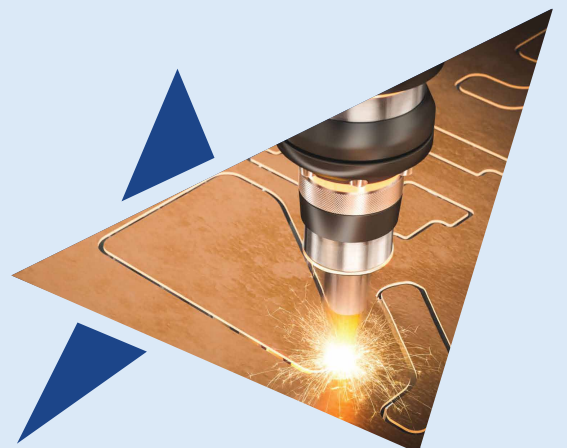
We offer a wide range of cutting solutions, featuring 7 plate saws, 2 bar saws, and 2 guillotines, allowing us to process metallic materials of any size as per customer requirements across our global facilities. Our capabilities include cutting metal up to 400mm in diameter and 550mm in thickness. Additionally, we can provide hard stamping/etching on billets and offer deburring and chamfering services.



CNC MACHINING

At NewTech, we have advanced CNC machining capabilities, allowing us to provide:

- Precision surface machining up to 4m x 2m
- Complete billet preparation
- Optimized nesting solutions to enhance material utilization and minimize lead times
- Drilling, tapping, and counter-boring services

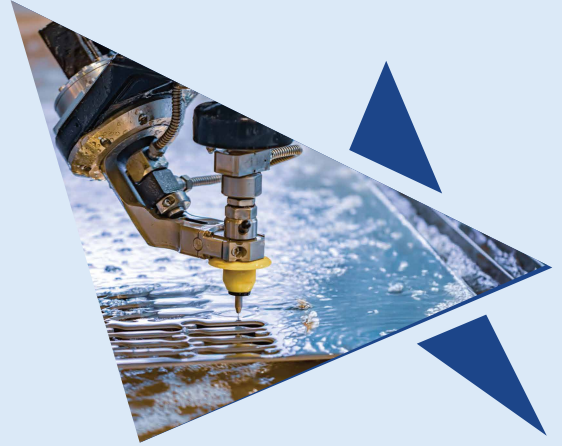


SERVICES



WATERJET CUTTING

- Cutting capacity up to 200mm thickness
- Worktable size of 4m x 3m
- Capable of producing virtually any shape
- Enhances material usage efficiency significantly



MATERIAL PROTECTION – COATINGS & FINISHES

We provide plastic coating solutions for both prime and cut-to-size metal sheets, available on one or both sides in various grades. Additionally, we offer custom packaging, including pallets, cases, and logistical management for client-owned protective units.

ALUMINIUM PLATE



SPECIFICATIONS BY COUNTRY

	SPECIFICATION	ALLOY	TEMPER
USA:	AMS 4025/4026/4027	6061	O/1451/T651
	AMS 4028/4029	2014	O/T651
	AMS 4035/4037	2024	O/T351
	AMS 4044/4045/4078	7075	O/T651/T 7351
	AMS 4050/4201	7050	T7451/T7651
	AMS 4089/4090/4202	7475	T7651/T651/T 7351
	AMS 4101	2124	T851
	AMS 4203/4204/4205	7010	T7351/T7651/T/451
	AMS 4252	7150	T7751
	AMS QQ-A-250/4	2024	O/T351/T851
	AMS QQ-A-250/11	6061	O/F/T451/T651
	AMS QQ-A-250/12	7075	O/F/TE51/T 7351
	AMS QQ-A-250/24	7075	T7651
	AMS QQ-A-250/29	2124	T351/T851
AMS QQ-A-250/30	2219	O/T351/T37/T87/T851	
FRANCE:	AIR 9048.610/.620	2214	T451/T451(1651)/T651
	AIR 9048.630	2024	T351
	AIR 9048.640	2618A	T351(T851)/T851
	AIR 9048.680/.690/.700/.710	7075	T651/T7351/T7351/T7651
	AIR 9048.720/730	7475	T7351/T1651
	AIR 9048.740	7050	T7451
GERMANY:	3.1354	2024	T351/T851
	3.1924	2618A	T651
	3.3214	6061	T451/T651
	3.4144	7050	T/451
	3.4364	7075	T651/T 7351
	3.4384	7475	T7351
	3.4394	7010	T/451
UNITED KINGDOM	L93	2024	T651
	L9S*	2618A	T651
	L97	6061	1351
	LIS	7050	T651
	DTD 5010	7075	T651
	DTD 5120	7475	T7651
	DTD 5130	7010	T/451
EUROPE	EN 2123	2024	T351/T851
	EN 2124	2618A	T451/T651
	EN 2126	6061	W51(T651)
	EN 2419	7050	1351
	EN 2422	7075	7351
	EN 2511	7475	T7351
	EN 2512	7010	T7351
	EN 2684/2687	2618A	W51(T7651)/T 7451
	EN 2805/4457	6061	T7651/T 7351
	EN 3982/3983	7050	T/451/T7651
	EN 4213	7075	T651
	EN 4214	7475	T651
	EN 6000 !	7010	T351

ALUMINIUM BAR & TUBE



ALUMINIUM BAR INTERNATIONAL DESIGNATION

	UK	US FEDERAL AMS-QQ-A	AMS	ASN-A	PRODUCT FORMS
2014A-T4511	L102	200/2>			Round, Flat
6082-16 T6511	L111				Round, Flat
6082 14				3097	
7075-173 T7351	L160	200/11	4167		Round, Flat
2014A-T6 T6511	L168				Round, Flat
2024-T3511	ABS5055A				Round, Flat
2618A-T8511				3357	Round
261 8A-T6511	DTD5014A MSRR8018				Round, Flat
2024 -T3 T3511 T8511		200/3	4152	3351	Round, Flat
2024-T351		225/6	4120	3058	Round, Flat
2026/7-T3511	AIMS03-05-018				Flat
5086-H111				3015/3018	Round
6061-T6/T6511		200/8		3277	Round, Flat
6061-T651		225/8	4117		Round, Flat
6061-14			4116/4161		Round, Flat
7075-T6/T6511		200/11		3055	Round, Flat
7075-O/T651/T 7351		225/9	4124		Round, Flat
7050-T 7451			4342		Round, Flat
7050-T 7451	ABS5239A				Round, Flat
7175-T7351				3388	Round
7449-T79511	AIMS03-05-015				Flat

ALUMINIUM TUBE INTERNATIONAL DESIGNATION

	BS	AIRBUS (ABM) or BS BAE (BACM) or HAWKER SIDDELEY (S)	US FEDERAL AMS-WW-T	AMS
5251 - O	L56			
2014A-T6	L63			
2014A-T4	L105	S07-1011/1012		
6082 - T4/T6	L114			
6061-T6		ABM2 - 3025/3026 SL17	700/6 AMS-T-7081	4083
6061-T4		ABM2 - 3023		
6061 - O		BACM171	700/6	
2024 - O/T3/T4		ABM1-3008/3009	700/3	4088
5052 - O			700/4	4071
7075 - T6			700/7	
3003 - H14			700/2	

STEEL BAR



TYPE	GENERIC NAME	BS SPEC.	US SPEC.	GERMAN SPEC.	EURO SPEC.	RELATED SPEC.
Stainless	1 5/5PH VAR/ESR		AMS 5659	W1.4545	Z7CNU15.05	ABS-5455, ABS 5750
Stainless	17/4PH AIR		AMS 5643	W1.4542	Z7CNU17.04	MSRR6601
Stainless	17/4PH VAR/ESR		AMS 5622	W1.4548	Z7CNU17.04	
Stainless	13/8Mo		AMS 5629	W1.4534		ABS-5442 A / C
Stainless	S80	S80		W1.4044	Z15CN17.03	431
Stainless	S130	S130	AMS 5646	W1.4546	Z6CNNb18.10	MSRR6522/ 3/4/5
Stainless	S143 TO S145	S143 TO S145	AMS 5719			MSRR6647, FV520B
Stainless	JETHETE M152	JETHETE M152	AMS 5719	W1.4939	Z12CNDV12	MSRR6502/3
Stainless	440C		AMS 5618/5630	W1.4125	Z100CD17	UNS44004
Stainless	304		AMS 5639			
Stainless	304L		AMS 5647			
Stainless	303		AMS 5638	W1.4305	EZ6NCT25	MIL-S-7720
Stainless	303 Se		AMS 5738	W1.4305	Z8CND17.04	
Stainless	321	S129	AMS 5645			
Stainless	A286		AMS 5731/2,5895	W1.4943		EN2303
Stainless	Z8CND17.04			W1.4418		
Stainless	CUSTOM 455		AMS 5617			
Stainless	CUSTOM 465		AMS 5936			ABS-5268, MLX17
Stainless	NITRONIC 60		AMS 5848			
Stainless	BG-42		AMS 5749			

STEEL BAR



TYPE	GENERIC NAME	BS SPEC.	US SPEC.	GERMAN SPEC.	EURO SPEC.	RELATED SPEC.
Alloy	4130		AMS 6348/70			MIL-S-5626
Alloy	4140		AMS 6382		40CD4	MIL-S-5000, BMS 7-28
Alloy	4340 AIRMELT	S149	AMS 6409/15			
Alloy	4340 VAR		AMS 6414			BMS 7-26, 300M
Alloy	4340Mod	S155	AMS 6417/19 6257			BMS 7-122
Alloy	4330Mod		AMS 6411			
Alloy	9310 AIRMELT		AMS 6260			
Alloy	9310 VAR		AMS 6265			
Alloy	8620		AMS 6274			
Alloy	8740	S147	AMS 6322			
Alloy	30NCD16		W1.6747	W1.6747		
Alloy	35NCD16		W1.6747		35NCD16	MAT 135
Alloy	32CDV13		AMS 6481	W1.7765	32CDV13	
Alloy	S97	S97	AMS 6481		32CDV13	S140/153/154 MSRR6043
Alloy	S98/S99	S98/S99		W1.6745		
Alloy	S106	S106				MSRR6001/2/3 MAT 123
Alloy	S132	S132		W1.8523	40CDV12	MSRR6011/12 MAT122
Alloy	S156	S156		W1.6722/3	16NCD17	MSRR6009/10/55
Alloy	S157	S157		W1.6657	16NCD13	
Alloy	S162	S162	AMS 6512	W1.6359		DTD 5212, MAT 102

STEEL BAR, PLATE & TUBE



STEEL SHEET & PLATE

TYPE	BS SPEC.	US SPEC.	GERMAN SPEC.	SIMILAR GEN. ENG. SPEC.	RELATED SPEC.
Carbon	S510		1.1151	EN3A/CR4/ MILD STEEL	MSRR 6057
Carbon	S511		AMS 6382	EN2A deep draw	MSRR 6058
Carbon	S514/515		1.1169	EN14A	
Stainless	S527	AMS 5512	1.4546	Type347S17	MSRR 6523 / EN3488
Stainless	S532/533	AMS 5512	1.4546	Type347S17	MSRR 6628 / BACM 11
Alloy	S534/5	AMS 6350	1.7214	4130	
Stainless		AMS 5510	1.4541/44	Type 321	ASNA3106
Stainless		AMS 5512	1.5446	Type 347	MIL-S-6721
Stainless		AMS 5513	1.4301	Type 304	FED-QQ-S-766
Stainless		AMS 5517	1.4310	Type 301 1/4 H	MIL-S-5059
Stainless		AMS 5518	1.4310	Type 301 1/2H	MIL-S-5059
Stainless		AMS 5519	1.4310	Type 301 FH	MIL-S-5059
Stainless		AMS 5525			A286
Stainless		AMS 5528	1.4310	17-7 PH	MIL-S-25043 / EN2540
Stainless		AMS 5604	1.4548	17-4 PH	
Stainless		AMS 5862	1.4542	15-5 PH	
Stainless				Jethete	MSRR 6504
Stainless		AMS 6345	1.7216	AISI 4130 norm.	MIL-S-18729
Stainless		AMS 6350/1	1.7214	AISI 4130 ann.	MIL-S-18729
Stainless		AMS 6359		AISI4340	
Stainless				FV607	MSRR 6514

STEEL TUBE

TYPE	BS SPEC.	US SPEC.	EUROPEAN SPEC.	SIMILAR GEN. ENG. SPEC.	RELATED SPEC.
Carbon	T45		TU52B E355		E355/Tu52B
Alloy	T60	AMS6371		4130	MIL-T-6736
Carbon	T64				
Stainless	T66	AMS5556	ZIOCNNb 18.11	Type 347	EN3680
Stainless	T68		ZIOCNNb 18.11	Type 347	
Stainless	T72	AMS5556	ZIOCNNb 18.11	Type 347	MSRR6524/ EN3680
Stainless		AMS 5561		21/06/2009	BMS 7-185
Stainless		AMS 5565		Type 304	MIL-T-8504/6
Stainless			Z10CNT18.i1	Type 321	1.4541
Alloy			15CDV6	Type 321	1.7734
Alloy			25CD4S		1.7214
Alloy		AISI4130			MIL-T-6736B / AMS6371

TITANIUM



TITANIUM PRODUCTS

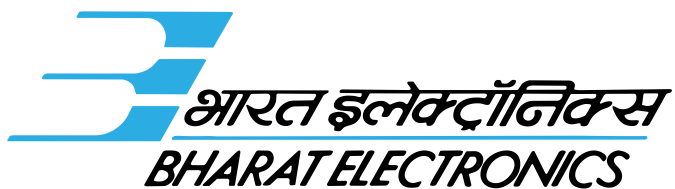
	UK	US	GERMAN	ABS	CODE	AIMS	OTHER
GRADE 1							
Sheet	TA1		3.72024				
GRADE 2							
(99.6%)							
Sheet	TA2	AMS4902	3.7034	5142	A	03-18-002	ASN-A 3201
		AMS-T-9046 CP 3					T40
		MIL-T-9046 CP 3					
Plate	N/A	AMS4902					
Bar	TA3	N/A		5773	A	03-18-013	
Tube	N/A	AMS4941,4942		5012	A	03-23-001	
GRADE 4							
(99.6%)							
Sheet	TA6	AMS4901	3.7064	5142	B	03-18-015	T60
		AMS-T-9046 CP 1					
		MIL-T-9046 CP 1					
Plate	N/A	AMS4901	3.7064				
Bar	TA7	AMS4921	3.7064				
GRADE 5							
(6Al/4V)							
Sheet	TA10,59	AMS4911	3.7164	5326	A	03-18-003	TA6V
				5326	C	03-18-004	
Plate	2TA56	AMS4911	3.7164	5125	A	03-18-001	ASN-A 3304
		AMS-T-9046 AB1		5125	B	03-18-006	
		MIL-T-9046 AB1		5125	C	03-18-007	
Bar	3TA11,12	AMS4928,65,67	3.7164	5453	A	03-18-010	BS7252
		AMS6931					ISO5832
		AMS-T-9047					ASN-A-3307
		MIL-T-9047G					
GRADE 9							
(3Al/2.5V)							
Tube	TA10,59	AMS4944,45		5004		03-15-001	

YELLOW METALS



TYPE	UK SPEC.	US SPEC.	RELATED SPEC.	PRODUCT FORMS
Silicon Aluminium Bronze		AMS 4631/4	QQ-C-465	ROUND
CuAl7Si2			C64200	
Aluminium Bronze	B23 (DTD197A)		CA104	ROUND, FLAT
CuAl10Ni5Fe4			2.0966	HEXAGON
Nickel Aluminium Bronze	NES 833 (DGS 1043)	AMS 4590 AMS 4640	QQ-C-465 C63000	VARIOUS
Silicon Aluminium Bronze	NES 834 (DGS 1044)		CA107	ROUND
CuAl6Si2Fe				
Phosphor Bronze	NES838	AMS 4625	PB102	VARIOUS
CuSn5			C51000	
Phosphor Bronze	DTD265A		PB104	VARIOUS
CuSn8P			C52100	
Brass (cartridge)	CZ106		C26000	FLAT
CuZn30			2.0265	
Brass (leaded)	CZ121		C35300	ROUND, FLAT
CuZn39Pb3			2.0321	HEXAGON
Brass (free cutting)	CZ124	AMS 4610	C36000	ROUND
CuZn36Pb3			2.0375	HEXAGON
Brass	CZ131 (DTD627)			ROUND
CuZn35Pb2				
Brass (naval)	CZ112		C46400	ROUND
CuZn38Sn1			2.053	
Brass (high tensile)	CZ115			ROUND
CuZn40Mn1Pb1FeSn				
Brass (leaded Muntz metal)	CZ137		C36500	ROUND
CuZn39Pb0.5			2.0371	
Brass (yellow)	CZ108		C27400	ROUND
CuZn37				
Tungum	DTD5019		C17200	TUBE
CuZnBAIINiSi1	CZ127			
Copper Beryllium		AMS4533		ROUND
CuBe2				

OUR CLIENTS



BHARAT FORGE



CONTACT US



ADDRESS:



MUMBAI HEADQUARTERS:

B/3, Ground Floor, Mahavir Darshan, Sai Dham Complex, 8th Khetwadi Back Road, 26, Khambata Lane, Khetwadi, Girgaon, Mumbai, Maharashtra 400004



WARE HOUSE:

DHRUV LOGISTIC PARK, A-29/30, near Taloja, Ghotkamp Koyana Vele, Taloja, Navi Mumbai, Maharashtra 410206



FACTORY:

Shop No. 8, Plot No. 2823, GIDC Umbergaon, Unnamed Road, Valsad, Gujarat, 396171



ADDRESS:

9910264201

9987874201



MAIL:

vatsal@newtechdefence.com

Dhiraj@newtechdefence.com

Info@newtechdefence.com



CERTIFIED QUALITY, ACROSS ALL INDUSTRIES





NEWTECH DEFENCE AND AEROSPACE

