



CONTACT US

CORPORATE OFFICE

35 (2ND FLOOR), LINK ROAD, LAJPAT NAGAR-III,
NEW DELHI - 110024 (INDIA)



+91 129 4094200

REGISTERED OFFICE (PLANT-I)

21/4, MATHURA ROAD, BALLABGARH - 121004,
FARIDABAD, HARYANA (INDIA)



starwire.in

MANUFACTURING UNIT (PLANT-II)

VILLAGE & POST CHHAINSA, MOHNA ROAD,
BALLABGARH - 121004, FARIDABAD,
HARYANA (INDIA)



info@starwire.in

STAR WIRE (INDIA) ENGINEERING LTD.

CIN: U27109HR1963PLC105338
GSTIN: 06AAECS1124Q1Z8



FORGING AHEAD WITH A STEEL STRONG VISION



**SPECIALTY
ALLOYS
FOR THE
AEROSPACE
INDUSTRY**



WWW.STARWIRE.IN

STAR WIRE (India) Limited is a well-known steel plant that specializes in producing a range of alloy steels, stainless steel, and specialty steels in the form of castings, forging, and rolled products for various engineering applications.

Incorporated in 1981, STAR WIRE has been driven by our founder's vision of focus on product quality, customer satisfaction and new product development. Over the last 4 decades, we have emerged as a **global leader in products like Engine Valve Steels**. With the same philosophy of agile product development, we have invested in cutting edge equipment like VIM, ESR, VAR etc. STAR WIRE is focussed on delivering technical as well as commercial solutions tailored to customers' specific needs. These investments have been a turning point for the company and with these capabilities and industry leading turnaround times, we now strive to serve Aerospace industry for specialty steels and superalloys.

ABOUT OUR COMPANY

OUR VISION

STAR WIRE aspires to become a leader in specialty steels and superalloys industry and to emerge as a company aligned with customer needs for new product development as well as an agile production cycle delivering world class quality products at competitive price and thus delivering reception value to its customers and other stakeholders.

THE ROADMAP

- Creating products that meet the highest global standards in the aerospace and defence sector
- Consolidating our market leadership in the automotive space by producing high performance engine valve steel
- Strengthening our position in the special materials segment

We are constantly investing in research and development, modern equipment, while refining our processes to set new benchmarks in product quality and customer satisfaction.

QUALITY APPROVALS

We have received quality assessments from a variety of sources, including component and equipment manufacturers, end users, third parties, and national bodies. As a result of these evaluations, we have obtained several relevant approvals, such as:

ACCREDITATIONS/CERTIFICATIONS

ISO 9001
AS 9100
IATF 16949
ISO 17025/NABL (Testing)
DSIR RECOGNIZED R&D Centre
Nuclear Power Corporation of India
Expected to obtain NADCAP accreditation by March 2024

ENVIRONMENTAL & SAFETY CERTIFICATION

ISO 14001
ISO 45001



SOCIAL RESPONSIBILITY



STAR WIRE's current emission per ton of crude steel production matches current industry standards. We aim to reduce this by a further **10% reduction by 2025**



STAR WIRE currently derives 12.5% of our **energy from sustainable sources**. Our personal commitment is to increase this percentage to 35% by 2025, as we strive to make a positive impact on the environment



We prioritize energy efficiency through technology adoption and awareness, maintaining a **power factor of 0.99**



Sponsoring **education for 200 children** per year



STAR WIRE has consistently been **planting one tree per day** within its premises for the past two years



Empowering women by providing the necessary means and skills to generate livelihoods

OUR CAPABILITIES

MATERIALS

- Low Alloy Steels
- Maraging Steels
- Precipitation Hardening Steels
- Stainless Steels
- Nickel Based Alloys

PROFILES

- Rounds
- Bored Bar
- Squares
- Rectangles

MOQ AND TYPICAL LEAD TIME

ROUTE	EACH GRADE	EACH SIZE	LEAD TIME
Air Melting	15MT	2MT	3-4 months
Air + VAR/ESR	12MT	2MT	4-5 months
VIM + VAR/ESR	1.5MT	1.5MT	5-6 months

For Grades & Sizes under regular production, lower quantities can be accepted

SECONDARY PROCESS	SHAPE		SIZE	
			Min (in mm)	Max (in mm)
ROLLING	Round	Black Bar	5.50	125
		Bright Bar	5	120
	Flat	33x17	400x100	
	Square	20x20	145x145	
OPEN DIE FORGING	Round		130	600
	Flat		150x90	1000x250
	Square		145x145	500x500
	Rings, Slab		Various sizes on request	
CLOSED DIE FORGING	Various sizes on request			

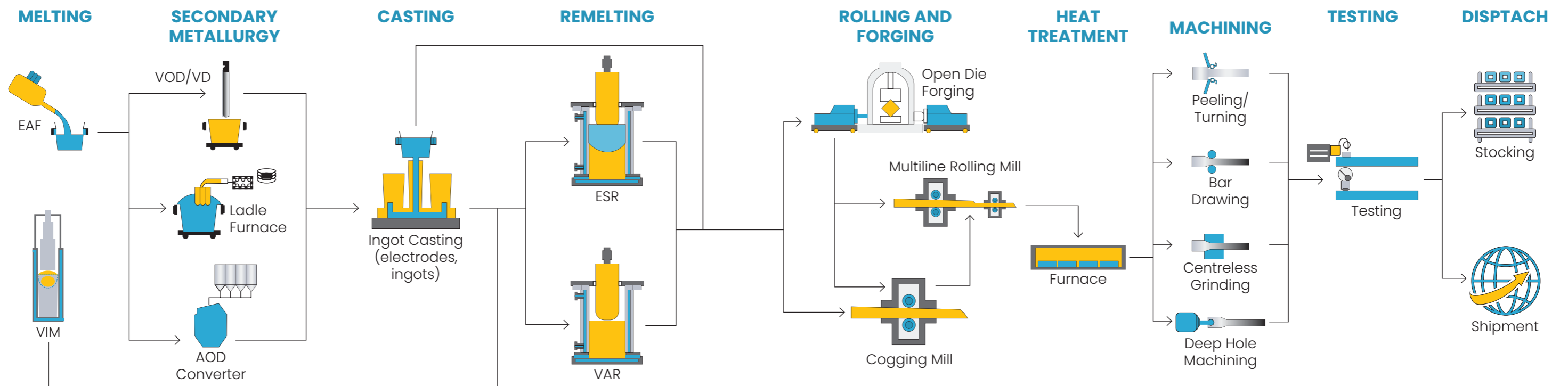
SUPPLY CONDITIONS: Heat Treated / Machined / Ground up to H9

PROCESS ROUTE

Our state-of-the-art production facilities, including VIM, VAR, ESR, as well as in-house finishing and testing capabilities, empower us to effectively meet the specific requirements of our clients. This integrated approach enables us to efficiently and effectively manufacture aerospace products that meet the highest standards of quality and performance.



FLOW OF MATERIAL



OUR GRADES

NOMINAL CHEMICAL ANALYSIS %

	STAR WIRE TRADE NAME	EUROPEAN STANDARD	COMMON DESIGNATION	AIR MELT	AIR + VAR/ ESR	VIM + VAR/ ESR	AMS	BS	DIN WERKSTOFF #	C	MN	CR	MO	NI	V	NB	OTHER ELEMENTS	
LOW ALLOY STEELS	SW257R	40NiSiCrMo7	300M		X		AMS 6257/6417/19	SI55		0.42	0.80	0.85	0.40	1.90	0.08		1,7% Si	
	SW260/SW260R	10NiCrMo13-5	9310	X	X		AMS 6260/65/67			0.11	0.55	1.20	0.10	3.25				
	SW409/SW409R	41NiSiCrMo7-3-2	4340	X	X		AMS 6409/14/15/84	SI49		0.40	0.75	0.85	0.25	1.80				
	SW440/SW440R	100Cr6	52100	X	X		AMS 6440/44	SI35	1.3505/3514	1.00	0.30	1.50						
	SW481/SW481R/SW481VR	33CrMoV12-9			X	X	X	AMS 6481			0.30		3.00	1.00		0.20		
	SW539	36NiCrMo16			X			AMS6539			0.35		1.70	0.30	3.80			
	SW547/SW547R/SW547VR	14NiCrMo13-4			X	X	X	AMS 6547/48/49	SI57	1.6657/6658	0.15	0.45	1.00	0.25	3.25			
	SW082/SW082R	16NiCrMo16-5			X	X			S82/156	1.6722/6723	0.16	0.40	1.20	0.22	4.10			
	SW095				X				S95/119/139		0.40	0.60	1.25	0.30	1.40			
	SW097				X				S97/140/153/154	1.674	0.32	0.55	0.70	0.50	2.50			
	SW098				X				S98/99	1.6745	0.40	0.60	0.70	0.50	2.50			
	SW106				X				SI06		0.25	0.50	3.25	0.60				
	SWI32/SWI32R	40CrMoV13-9			X	X			SI32/133/134/138	1.8523	0.40	0.55	3.25	1.00		0.20		
	SW747/SW747R	30NiCrMo16			X	X				1.6747	0.30	0.50	1.40	0.45	4.00			
	SW773R	35NiCrMo16				X				1.6773	0.38		1.80	0.50	4.00			
	SW220	34CrMo4			X					1.7220	0.34	0.70	1.00	0.20				
SW734/SW734R	15CrMoV6			X					1.7734/7736	0.15	1.00	1.35	0.90		0.25			
SW564	31CrMo12			X					1.8564	0.30	0.50	3.00	0.40					
STAINLESS STEELS	SWS420	X20Cr13	420	X				S62	1.4014	0.20		13.00						
	SWS440/SWS440R	X105CrMo17	440C	X	X		AMS 5630		1.3543	1.00		17.00	0.50					
	SWS418	X4CrNiMo16-5-1		X					1.4418	0.06		16.00	1.00	4.00				
	SWS431	X17CrNi16-2	431	X			AMS 5628	S80	1.4044	0.16		16.25		2.40				
	SWS321	X6CrNiTi18-10	321	X			AMS 5645	SI29	1.451	0.06		18.00		10.75			0,45% Ti	
	SWS347		347	X			AMS 5646	SI30	1.4546	0.06	1.75	18.00		10.75		1.00		
	SWSI52/SWSI52R	X12CrNiMoV12-3	Jethete MI52	X	X		AMS 5719	SI51	1.4939	0.11		11.50	1.80	2.60	0.30		0,03% N	
	SWS286R/SWS286VR	X6NiCrTiMoVB25-15-2	A286		X	X	AMS 5731/32/34/37	HR51/52/650	1.4943/4944	0.05		15.00	1.25	26.00	0.25		1,98% Ti	
PRECIPITATION HARDENING STEELS	SWPI74/SWPI74R	X5CrNiCuNb16-4	17.4 ph	X	X		AMS 5622/43		1.4548	0.05		17.00		4.00		0.30	4,0% Cu	
	SWPI38VR	X3CrNiMoAl13-8-2	ph 13.8 Mo			X	AMS 5629		1.4534	0.04		12.50	2.30	8.45			1,2% Al	
	SWPI55R	X5CrNiCu15-5	15.5 ph		X		AMS 5659		1.4545	0.05		15.00		5.00		0.30	3,5% Cu	
	SWP520	X5CrNiMoCuNb14-5	FV520B	X				SI43/144/145	1.459	0.05		14.00	1.50	5.50		0.30	1,5% Cu	
MARAGING STEELS	SWM250VR	X2NiCoMo18-8-5	Maraging 250			X	AMS 6512	SI62	1.6359	0.008			5.00	18.00			8,0% Co + 0.45% Ti	
	SWM300VR	X2NiCoMo18-9-5	Maraging 300			X	AMS 6514		1.6354/6358	0.01			4.90	18.75			8,75% Co + Al + Ti	
NICKEL BASED ALLOYS	SWN080R/SWN080VR	NiCr20TiAl	Nimonic 80A		X	X		HR1	2,4952/4631	0.008	0.50	20.00		base			1,45% Fe + Al + Ti	
	SWN090VR	NiCr20Co18TiAl	Nimonic 90			X	AMS 5829	HR2	2.4632	0.10	0.50	20.00		base			17% Co + Al + Ti	
	SWN625R/SWN625VR	NiCr22Mo9Nb	Inconel 625		X	X	AMS 5666/5837		2.4856	0.08	0.25	22.00	9.00	base	x		5% Fe, 3,6% Nb+Ta	
	SWN718VR	NiCr19FeNb5Mo3	Inconel 718			X	AMS 5662/63	HR8	2.4668	0.04	0.20	18.00	3.00	base	x		5,1% Nb+Ta, Al+Ti	

We can manufacture grades listed in AIR 9160C on request