



FRISA

| Aerospace

Forging evolution.

TOP-FORGING SOLUTIONS TO TRANSFORM OUR WORLD.

With more than **50 years** of experience, we are leaders in offering high-value forging solutions created in our state-of-the-art facilities to a wide range of industrial markets.



INDUSTRIAL
MACHINERY



OIL AND GAS



AEROSPACE



POWER
GENERATION



CONSTRUCTION
AND MINING



WIND POWER



SEMICONDUCTORS

STATE-OF-THE-ART FACILITIES

Our facilities are equipped with cutting-edge manufacturing equipment and the latest information technology systems.

AEROSPACE PLANT

Specialized **titanium, aluminum, and nickel-based rings** for the aerospace market.



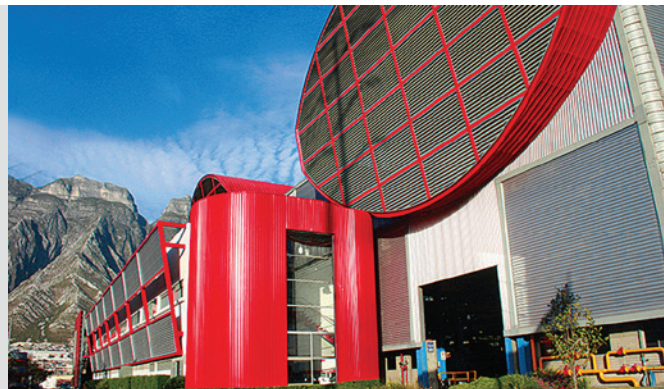
Rings from 10" to 196" OD



Weight from 60 to 10,000 lb



Santa Catarina, Nuevo León, México



SANTA CATARINA



METALS



GARCIA



OPEN DIE



STEEL MILL



PRECISION

AEROSPACE

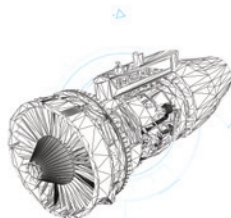
Forging the future and beyond.



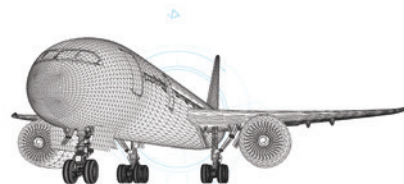
APPLICATIONS

We provide seamless rolled rings for essential aerospace components.

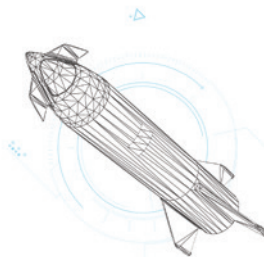
Commonly used in all aero engine parts including fan cases, booster spools, mount rings, combustor cases, turbine cases, flanges, seals, and more.



JET ENGINE



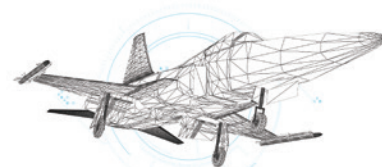
AEROSTRUCTURES



SPACE



ROTORCRAFT



MILITARY

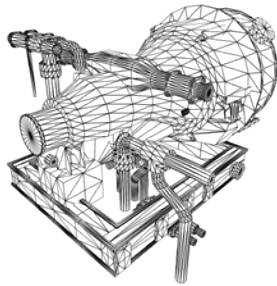
POWER GENERATION

Forged components for enhanced productivity.

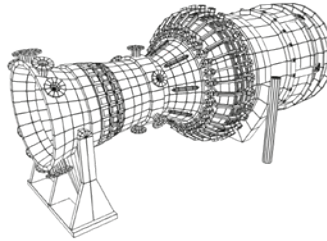


APPLICATIONS

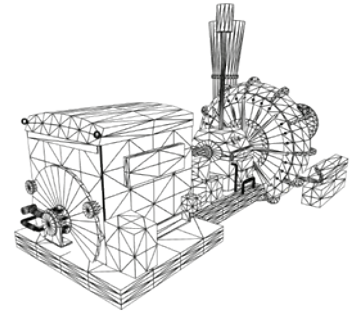
We manufacture essential components for different applications.



STEAMTURBINE



GASTURBINE



COMPRESSOR

Through our expert knowledge, we collaborate with Original Equipment Manufacturers (OEM) and specialized repair shops.

OUR PRODUCTS

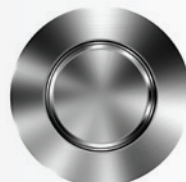
SCAN ME



ROLLED RINGS



CONTOURED RINGS



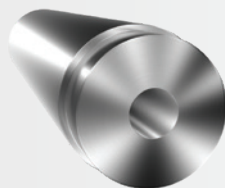
DISCS



POT-DIE FORGINGS



ROUND BARS



HOLLOW BARS



STEP & FLANGE SHAFTS



BLOCKS & PLATES

INVENTORY STOCKING GRADES

We manufacture forgings in a wide range of materials such as nickel, cobalt, titanium alloys, specialty steels, and aluminum.

Our experts develop the best processes to fit the metallurgical requirements of any material grade.



VALUE-ADDED SERVICES

High-value solutions to meet your requirements.

HEAT TREATMENT

Heat-treating solutions include annealing, normalizing, quenching, tempering, spheroidizing, and more.

LAB & NON-DESTRUCTIVE TESTING

Three in-house, fully equipped labs to conduct mechanical, chemical, and metallographic testing.

R&D CAPABILITIES

New alloy developments, failure analysis, lab furnaces for HT experimentation, and more.

WORLDWIDE DELIVERY

Door-to-door shipments at the most competitive rates.

MACHINING

We have the latest CNC technology for rough and complex machining. Our staff provides cost-effective solutions with high quality standards.

ROUGH MACHINING

	MAXIMUM OUTSIDE DIAMETER		MAXIMUM HEIGHT/LENGTH		MAXIMUM WEIGHT		MINIMUM SURFACE FINISH	
Aero	in	mm	in	mm	lb	kg	RMS	µm
Vertical Turning	122	3,100	94	2,400	11,000	5,000	63	1.6
Horizontal Turning	18	457	79	2,000	2,200	1,000	63	1.6

COMPLEX MACHINING

	MAXIMUM OUTSIDE DIAMETER		MAXIMUM HEIGHT/LENGTH		MAXIMUM WIDTH		MAXIMUM WEIGHT	
Precision	in	mm	in	mm	lb	kg	RMS	µm
Vertical Turning	126	3,200	70	1,800	11,000	5,000	32	0.8
Horizontal Turning	40	1,000	40	1,000	4,000	1,800	32	0.8
C Axis Milling	126	3,200	70	1,800	11,000	5,000	64	1.6
5 Axis Milling	47	1,000	23	590	660	300	32	0.8



DELIVERING EXCELLENCE TO OUR CUSTOMERS

Our world-class standards, commitment to quality, customer service, and technical expertise have positioned **FRISA** as a leading global manufacturer.



Customer service

Our customer-centric structure enables us to interpret our customers' needs and transform them into high-value forging solutions. Our sales team is fully committed to develop the best solutions for any given requirement.



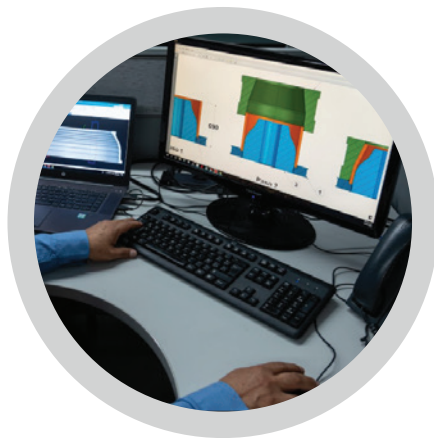
Quality

Our growth and success are founded on a focus on quality. Through certifications, customer recognitions and audits, Our Quality, Safety & Environmental System is regularly updated through certifications, customer recognitions, and audits to ensure the highest standards are maintained and improved on.



Traceability

Our cutting-edge information systems guarantee effective process control, long-term document preservation and, in some instances, full traceability of our products.



Product development

Our experts in metallurgy, modeling, machining, and manufacturing work together with our customers' engineers to develop geometries, required properties, and specifications for general and critical parts. Additionally, we record real-time data for process control and cost reduction.



Check your account
status anywhere,
anytime with
FRISA NOW,
our customized portal
that ensures an
outstanding service.

QUALITY

Our certifications and approvals guarantee the reliability of our products.

Aerospace qualifications include:

AS 9100

ISO 9001

ISO 14001

NADCAP for Heat Treating, MMM (Forging)

and Ultrasonic OEM Approvals

... and more per request.

SCAN ME



OUR CUSTOMERS

Their success is our success. We have a vast experience working with leading companies.



Honeywell

SIEMENS



Pratt & Whitney
A United Technologies Company



Solar Turbines
A Caterpillar Company

Avio Aero»
A GE Aviation Business



AEROJET
ROCKETDYNE

IHI



DRESSER-RAND
A Siemens Business



UTC Aerospace Systems



OUR GLOBAL NETWORK

Manufacturing Facilities Nuevo León, México

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FRISA Forge
FRISA Precision
FRISA Steel

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