

PRECISION ENGINEERED

MOULD TO MACHINING



CENTRIFUGALLY CAST

AUTOMOBILE LINERS & SLEEVES
REFRIGERATION ENGINE LINERS
HEAVY EARTHMOVER LINERS
SP. PURPOSE LINERS

www.centricastliner.com
www.engineliner.com



ISO 9001: 2015 certified

A Brand for Quality Conscious People...

JAIDARSHAN INDOCRAFT PVT. LTD.

Fourth Decade of Trend Setting
Performance

Market presence across 21
countries all over the world
including Europe, Asia Pacific
region, Middle East, Australia &
Africa

All Liners are made of Centrifugal
Casting & Shell Casting which
gives Homogeneous structure and
uniform hardness

Free from casting defects like
blow holes, porosity & cracks

Highly qualified and dedicated
workforce to achieve zero defect
components

Quick and in-time delivery due to
in-house hi-tech manufacturing
facility

OEM supplier

ISO 9001:2015 certified

Cylinder Liners & Cylinder Sleeves

The last decade the Indian automotive market has undergone a sea of change with a host of Korean, Japanese, European and other international models hitting our roads. These advance vehicles prefer only centrifugally cast cylinder liners to get a perfect working engine.

In line with its philosophy of keeping pace with the changing times, JAIDARSHAN INDOCRAFT PVT LTD. Established "JAI NO.1" & "M.D.T" brand cylinder liners. Through the blend of factors like orientation towards technology, business ethics, smart strategizing, commitment to quality and customer orientation, the company has made a significant impact on the minds of its customers. Today our brands "M.D.T" & "JAI NO.1" has created waves as the first choice of the quality conscious customers in industry. The business requires specialized skill and an unswerving commitment to quality. The latter came naturally to the company, and the former, it meticulously assimilated in the following years.



Committed to Excellence

When intelligence, efforts and perseverance are mixed in proper proportions. It is like a winning formula first invented, then modified to suit the requirement and finally administered for the best results.

We strongly believe in "Quality is an effective way to crush competition & one satisfied customer creates a thousand more". Our product represents the highest synthesis of technology, price performance and certified quality.



Infrastructure

FOUNDRY	Induction Melting Furnace Carbon Silicon Analyser Centrifugal Casting Machines
LATHE MACHINES	Lathe machines (5' to 9') All gear lathe machines Heavy duty lathe machines
CNC MACHINE	CNC turning center Vertical machining center - SPM CNC Lath Machine
BORING MACHINE	Vertical Boring Machine Portable Boring Machines
DRILL MACHINE	Pillar drilling machine CNC drill
GRINDING MACHINE	Centerless grinding machines Cylindrical grinding machines
HONING MACHINE	Automatic Honing machine - SPM Honing Machines - JAPAN make Derby Honing
MARKING MACHINE	Marking Machine with all accessory - Pneumatic Metal Marking machine -Itching type
INSPECTION INSTRUMENTS	Hardness Tester Micrometer, Vernier, Ring Gauge, Dial Gauge etc. Portable Surface Microscope Go-No Go Gauges





Product Range

- Car : Compact, Mid-Size, Luxury, Saloon, SUV, MPV
 - Truck : HCV, LCV, Pickup Van, Refrigeration On wheels Van, Utility Van
 - Tractor : Heavy Duty, Light Duty, Multi Utility Tractors
 - Earthmover Engines
- Marine Engines
 - Air compressor Engines
 - Ammonia Compressor Engines
 - Power Generator Engines

Production Parameters

Dimensional Range:

Inner Diameter: 45 to 400 mm

Outer Diameter: 50 to 500 mm

Length: Max 650 mm

Chemical Composition

LIMIT	C	SI	S	Mn	Ni	Cr	Mo	Cu	P
MIN	3.00	1.60	—	0.3	0.005	0.006	—	—	—
MAX	3.70	2.70	0.15	1.0	0.5	0.4	0.5	0.5	0.35

Dimension

PRODUCT	PARAMETERS		TOLERANCE
Finished centrifugally cast cylinder sleeves	Length		± 0.2 mm
	I.D.	F.F.	- 0.025 mm
		S.F.	± 0.1 mm
	Outer Diameter		± 0.025 mm
	Collar Diameter		± 0.025 mm
	Collar width		± 0.05 mm (finished) ± 0.1 mm (semi)

Hardness: 190 - 260 BHN

Tensile Strength: 22-25 kgf/mm2

Surface Roughness: 0.4 to 0.8 micron

Micro Structure:
Graphite Type “A” & “B” (“D” & “E” random)
Flake Size: Max 4-8
Matrix : Free Ferrites max 5-6%

COVERAGE - Cylinder liners & Sleeves for

Product Range :



Segment	Application
Automobile	Cars : - Hatchback, MUV/SUV, Sedan, Racing Cars
	Commercial : - Heavy Commercial /Light Commercial
	Tractors : - Compact & Utility
Earthmovers	Heavy Earthmovers, Light Earthmovers, Lawn Movers
Generators	Power Generators
HVAC	Reciprocating Ammonia Compressor, Freon Compressor
Compressor	Air & Gas Compressor – As Per Customer Specifications
Pneumatics	As Per Customer Specifications
Marine	As Per Customer Specifications (Cast iron, Ni -resist)
Mining	As Per Customer Specifications
Locomotive	Railway Engine Liner & Parts
Defense	Parts for DRDO & Ammunition Factory (Steel Liner)

Technical Specifications

Description	Details
Metal	Cast Iron, SG Iron, Steel, Ni - Resist
Inner Dia	45 mm – 400 mm
Outer Dia	50 mm – 500 mm
Length	Up to 650 mm



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& CYLINDER SLEEVES

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