

**YOUR TRUSTED  
PARTNER FOR  
SPRINGS  
& WIRE FORMS**



**DESHMUKH**  
**SPRING INDUSTRIES**

*Quality Endured !*

IATF - 16949:2016 | ISO - 9001:2015

# CUSTOM SPRINGS

## Transforming Your Ideas into Reality: The Expertise of Deshmukh Spring Industries"

At Deshmukh Spring Industries, we are capable of bringing your ideas to life! With our extensive understanding of the global market and wide-reaching network, we are at the forefront of developing customized solutions that cater to your specific spring requirements. Whether you have a unique design or a specific need, we have the expertise to create innovative products that meet and exceed your expectations.



# CORPORATE PROFILE

Company Name		Deshmukh Spring Industries
Established		1997
Director Name		Amrut S. Deshmukh
Products		Cold Coiling Spring & Wire Forms
Sector	Automotive	SUV, MUV, CAR, 2 Wheeler, 3 Wheeler and their ancillaries. Also started business with Electric Vehicle Segments.
	Industrial, Power & Energy	Switch Gears, Breakers, Diesel Engines, Generators & Industrial Valves.
	Home Appliances	Washing Machine, Dryer, AC.
	Agriculture	Tractor, Drip Irrigation, Power Tillers
	Luggage	Trolleys & Lock Assemblies
Employee Strength		70+
Sales Turnover (Highest)		FY 23-24 16.50 Cr.
Investment		15,00,000 USD
QMS Certification		IATF16949:2016 & ISO 9001:2015
EMS Certification		Expected by 2028



## VISION & MISSION

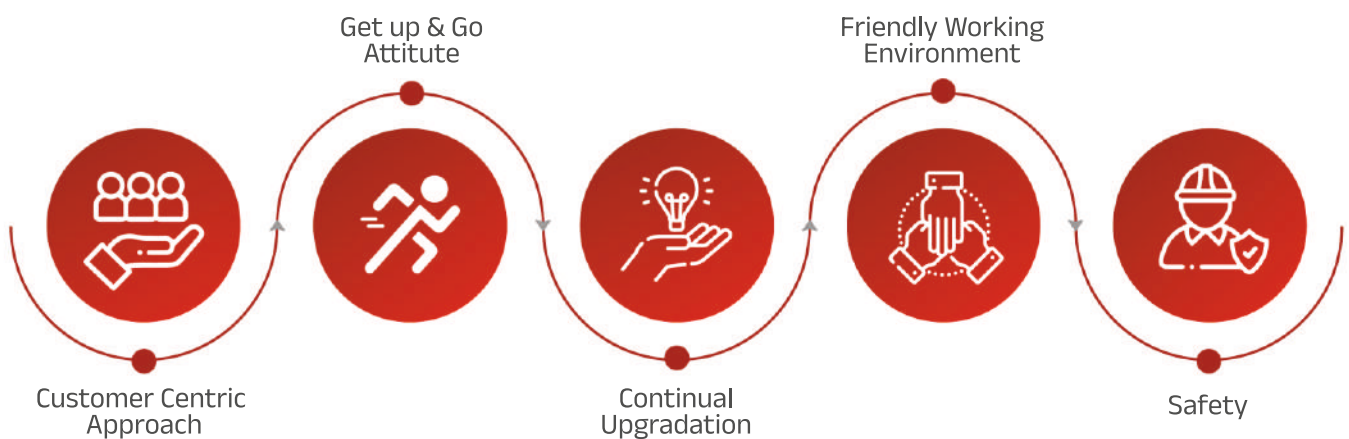
### VISION

- To become the leading manufacturer and supplier of helical springs, torsion spring, wire forms & recliner torsion bar in India.

### MISSION

- To Always go beyond the customer expectation regarding quality springs and wire form and develop long term relationship.
- Optimum utilization of machine/equipment & introduction of upgraded technology at each level.

## CORE VALUES



# MILESTONES

**CNC Capacity Enhanced  
Upts 8.00 MM Capacity**

2024

**2<sup>nd</sup> New Plant  
Purchased**

2024

**IATF Certified**

2018

**Introduced 1st CNC  
Coiling Machine**

2015

**Introduced 1st CNC  
Forming Machine**

2014

**Introduced CNC  
Wire Bending Machine**

2014

**Shifted to  
Owned Premises**

2009

**Rented  
Premises**

**ISO Certified**

2003

2004

**Mechanical  
Machine Building**

1998

**Spring Manufacturing  
Activity Started**

2002

**ESTABLISHMENT 1997**

# WHY US?

RESUMUKH  
SPRING INDUSTRIES



**Delivery  
On Time**



**Excellent  
Technical Team**



**Fast Prototype  
Development**



**Latest  
CNC Production  
Infrastructure**



**Latest Testing  
Equipment**



**Providing import  
substitute**



**IATF 16949 &  
ISO 9001:2015  
Certified**



**Over 24 Years of  
Spring Manufacturing  
and Engineering  
Experience**



**Special Grade Raw Material  
like, 17-7 PH, Inconel,  
Monel, Nimonic-90,  
Hastelloy, C4/C276, etc.**



**Excellent  
Techno Commercial  
Team**

# MANUFACTURING CAPABILITIES

## COILING

**High Speed Automatic Cold Coiling Machine.**  
Capacity : 0.20 mm - 14.00 mm - 10 Machines.  
Make - Chinese Machine

## FORMING

**High Speed Automatic Forming Machine.**  
Capacity : 0.20 mm - 4.00 mm - 8 Machines.  
Make - Chinese Machine

## HOSE CLAMP FORMING

**Hose Clamp Forming Machine**  
Capacity: 1.20 mm - 4.00 mm - 1 Machine  
Make - Chinese Machine

## GRINDING

**High Speed Automatic Grinding Machine.**  
Capacity : 0.20 mm - 4.00 mm - 5 Machines.  
Make - Chinese & Indian Machine

## BENDING

**2D / 3D Wire Bending Machine with wire rotation.**  
Capacity: 3.00 mm - 7.00 mm - 1 Machine  
Make - Korean Machine

## WIRE STRAIGHTENING & CUTTING

**In house wire straightening cutting facility available 500 Ton Per Annum.**  
Capacity: 1.00 mm - 12.00 mm  
Make - Indian Machine

## STRESS RELIEVING

**Hot Electric Air Conveyor Furnace Facility with an install capacity of 400 Tons Per Annum.**  
5 Machines.  
Make - Chinese & Indian Machine

## INSPECTION

- In house load testing capacity upto 2000kg - 4 Machines.
- Contactless Dimensional Checking Facility with bed size - 1 Machine.
- Torque testing facility for torsion springs 1 Machine.



# OUR PRODUCT RANGE



**Compression Spring**



**Conical Spring**



**Torsion Spring**



**Double Torsion Spring**



**Tension Spring**



**Wire Form**



**Double Wired Hose Clamp**



**Garter Spring**

# MATERIAL OF CONSTRUCTION



Description	Material Grade	Standard	Working Temperature
High Carbon Steel	Wire Grade : SL, SM, SH, DM, DH	IS4454 PART-I:2001 / EN10270-1:2001	-80 degree / +150 degree
Carbon Steel Oil Tempered	FDC, TDC, VDC	IS4454 PART-II:2001	-20 degree / +200 degree
Chrome Silicon Steel Oil Tempered	FDSiCr / TDSiCr / VDSiCr / 54SiCr6	IS4454 PART-II:2001 / SAE 9254 EN10270-2:2001	-20 degree / +200 degree
Chrome Vanadium Steel Oil Tempered	FDSiCrV / TDSiCrV / VDSiCr	IS4454 PART-II:2001 / SAE 9254 EN10270-2:2001	-20 degree / +200 degree
Music Wire / Piano Wire		JIS G3522, A228, 17223 Pt-1 Grade D	-80 degree / +150 degree
Hard Drawn Stainless Steel Wire (Full Hard)	X 12 CrNi 17-07 (SS302), X 5 CrNi 18-10 (SS304), X 5 CrNiMo 17-12-2 (SS316), X 5 CrNiMo 17-12-2 (SS316L)	IS4454 PART-IV:2001 / EN10270-2:2001	-200 degree / +200 degree
Precipitated Age-Hardened Stainless Steel	X 7 CrNiAl 17-7 (17-7 Ph) AISI 631		-90 degree / +300 degree
Phosphorus Bronze Wire	Group 1 & Group 2	IS7608	
High Strength & Heat Resistance Outstanding Fatigue Properties Corrosion Resistance Non Magnetic Age Hardenable	X750, 718	ASTM B637-18 ASTM A276-17	-200 degree / +600 degree
Hastelloy (Super Alloys)	C4/C276		
Beryllium Copper (Super Alloys)		ASTM B197	

Note: Inconel, Monel & Nimonic is trade mark of Special Metals Corporation.  
Hastelloy C4 & 276 is trade mark of Haynes International.

# QUALITY CONTROL



**Load Testing Machine**  
(Capacity : 500 kg)



**Torque Testing Machine**  
Angle Capacity : 10 to 2400  
Load : 1 kg. to 100 kg.



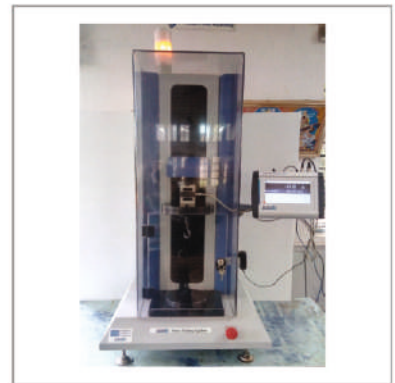
**Video Measuring Machine (VMM)**



**Universal Testing Machine (UTM)**



**Endurance Testing Machine**

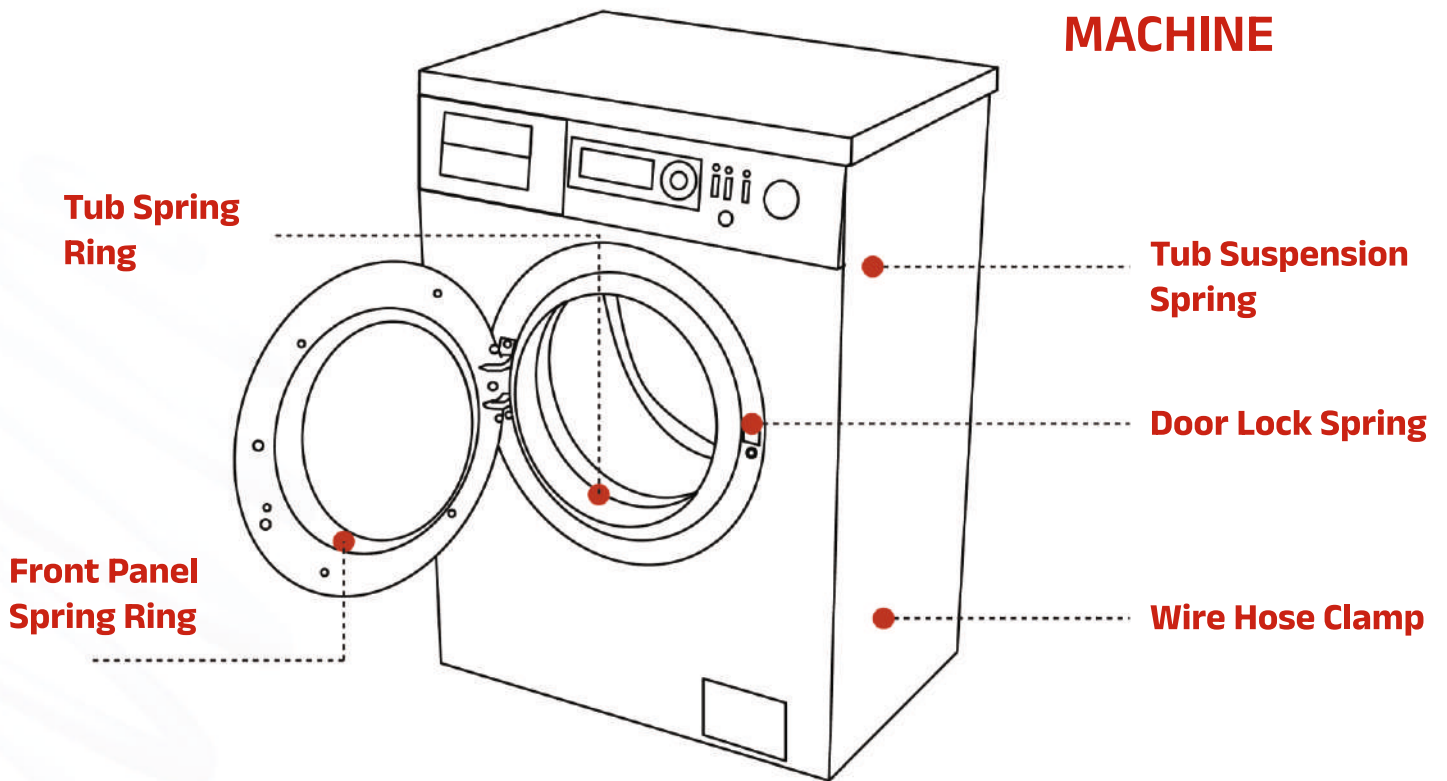


**Sushma Motorized Force Testing System**

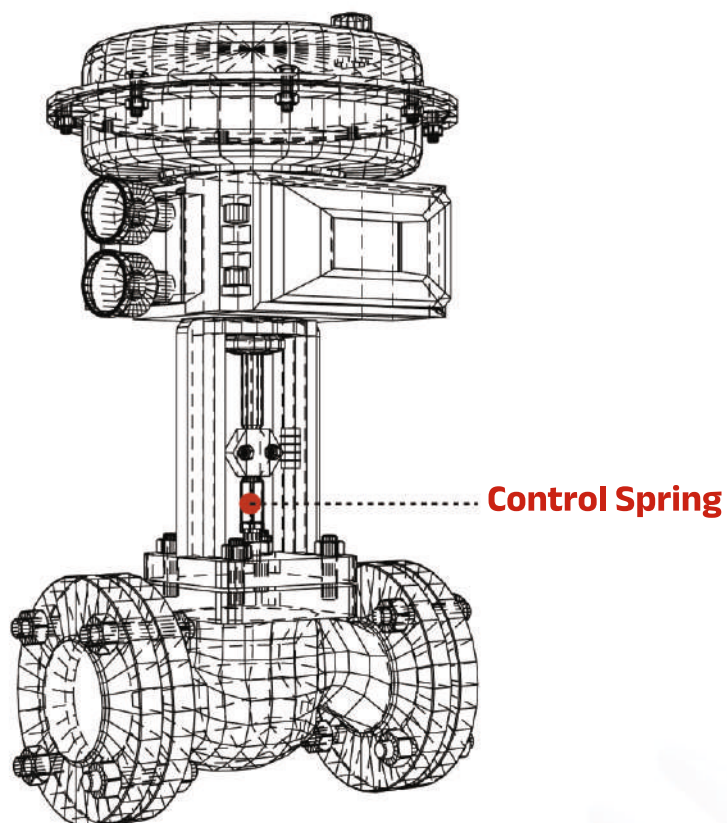
DIN 6916  
 DIN 11024 D  
 IS 7906 P-II  
 DIN 2098  
 DIN 2093  
 ISO 7089  
 IS 7906-1  
 IS 2016  
 DIN 2096  
 EN 10270  
 DIN 2095  
 DIN 7993  
 IS 7906 P-I  
 DIN 11024 E  
 DIN 7993  
 DIN 125

# APPLICATIONS OF SPRINGS

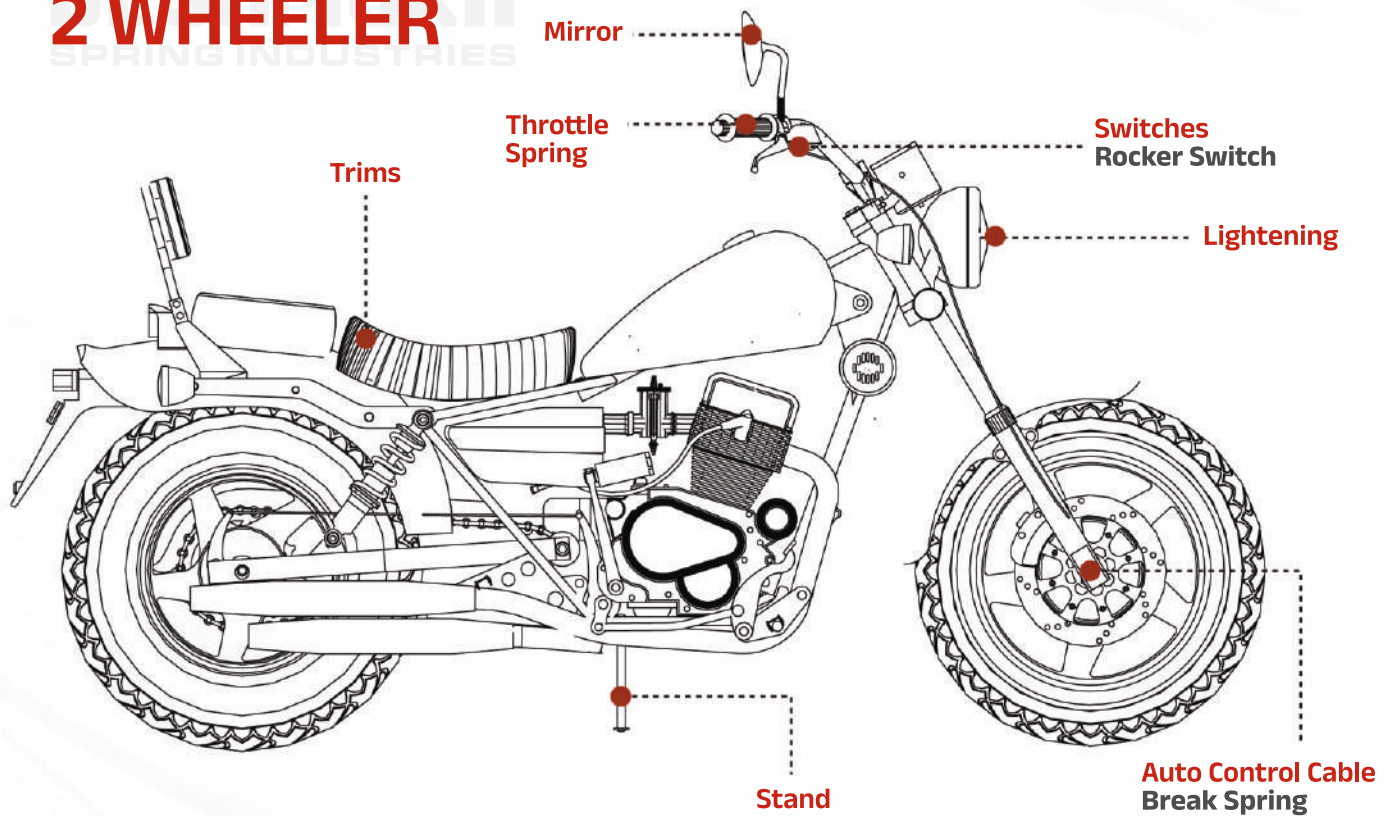
## WASHING MACHINE



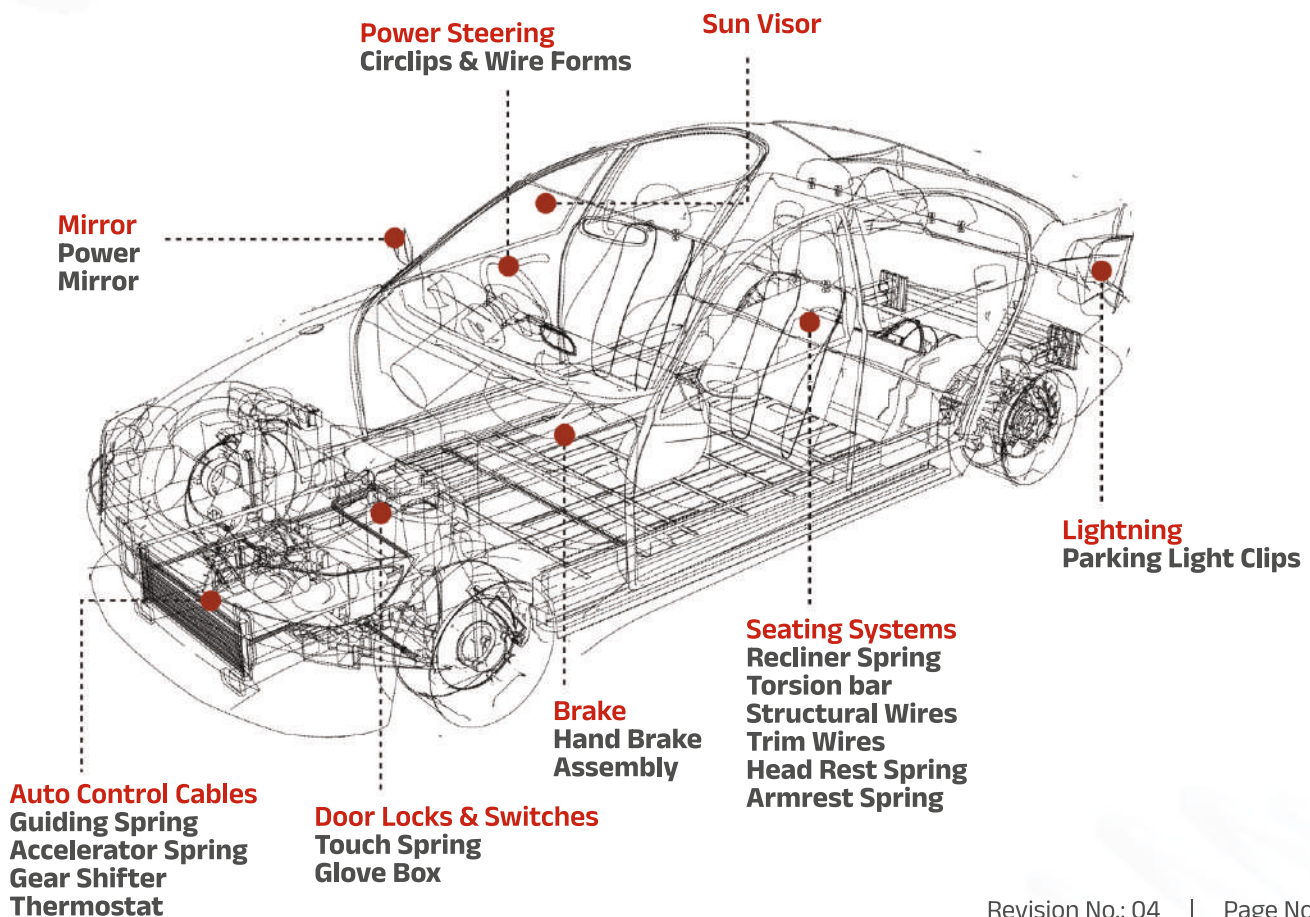
## VALVES & ACTUATORS



# 2 WHEELER



# 4 WHEELER



# INDUSTRIAL COATING & FINISH

- ZINC ELECTRO PLATING
- ZINC NICKEL PLATING
- MECHANICAL ZINC PLATING
- ZINC FLAKE / GEOMET COATING
- PHOSPHATE
- BLACK OXIDE
- NICKEL PLATING
- CHROMIUM
- VIBRO POLISHING
- TIN PLATING
- SILVER PLATING
- ELECTROLESS NICKEL PLATING
- HOT DIP GALVANIZING
- POWDER COATING
- PAINTING
- BUFFING
- CED COATING

# SECTORS WE DEALS IN

## Actuators & Valves



## Railway & Tractors



## Writing Instruments



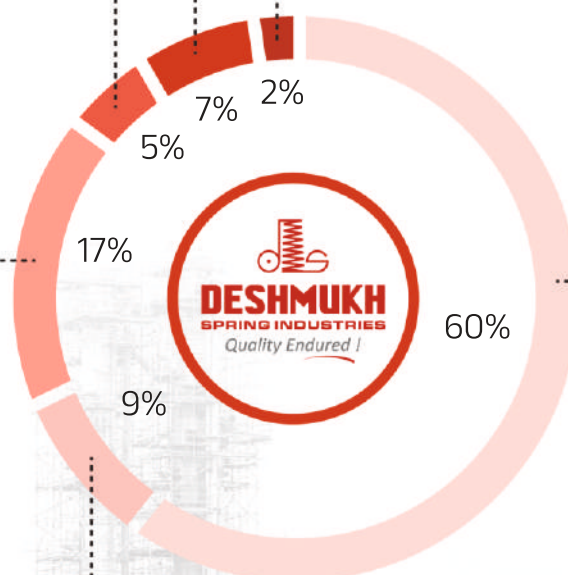
## Home Appliance



## Switchgears

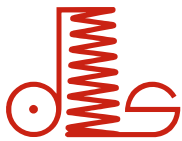


## Automotive



# OUR PRESENCE ACROSS INDIA





**DESHMUKH**  
**SPRING INDUSTRIES**

*Quality Endured !*

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