

### Home page

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No caption or heading required for any kind of information.

### *About Our Enterprises*

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A company that values its customers always succeeds in the marketplace. An enterprise that believes in this philosophy always prospers and make a name for itself, it has been proven various times. A fine example for this can be our company, **Genesis engineers india** under prime engineers. We have been a diligent enterprise valuing clients' interest over profit maximization since **1977**. For this long period of time, we have always pleased our customers and met their expectations. In return, they have supported us exponentially over the years. We are completely sure, without their support, our brand 'GENESIS' wouldn't have been able to survive the competition in the market for 42 years of our business journey. We have excelled in our field and have won a huge clientele for ourselves in the market. Today, as an acclaimed **manufacturer** and **exporter**, we bring forth a flawless variety of *Chenille Machines spares like Kaliber, Drivers, Anti Drivers,Blades*, etc. for our clients. These are made available to each and every customer in an attractive exchange of reasonable prices.

### *Quality–Our Prime Focus*

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For more than 4 decades, we have been the number one in the marketplace when it comes to the offered quality. It has been our specialties since the very beginning. Numerous industrial players put their trust on our quality management systems that are acclaimed by experts of the domain. Following such an impressive system, we assure that all of our offered items are backed with an unrivaled quality. To ensure a continuous delivery of a flawless collection, we make use of top–grade raw materials and employ premium production techniques that are considered most efficient. Owing to this, our company meet clients' quality expectations without a single failure.

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## Company profile

## Company Profile

Our prestigious enterprise, **Prime Engineers**, is based out in **Rajkot (Gujarat, India)**. Having a strict compliance to international quality standards and industrial guidelines, we have carved a niche for our experienced business. Our diligent and client centric performance have helped us in pleasing our clients for the past 42 years. We have won hearts of such clients by offering top grade **Chenille Machines, Chenille Drivers, Chenille Blades, Chenille Anti Drivers**, etc. The robust build of these have made them famous nationwide. Assurance of quick deliveries have also made our company a respected name in the market. Further, we also render best customer services to precious clients in order to earn their loyalty as well as appreciation.

### Key Facts of Prime Engineers:

<b>Nature of Business</b>	Manufacturer, Exporter and Supplier
<b>Year of Establishment</b>	5 <sup>th</sup> April, 1977
<b>Number of Employees</b>	06
<b>Number of Engineers</b>	01
<b>Number of Production Units</b>	01
<b>Production Type</b>	Semi-Automatic
<b>Monthly Production Capacity</b>	As Per The Clients' Requirements
<b>Warehousing Facility</b>	Yes
<b>Importers/ Exporters Code</b>	2412010421
<b>Banker</b>	DCB Bank
<b>Annual Turnover</b>	Above INR 1 Crore
<b>Capital</b>	Above INR 1 Crore
<b>GST No.</b>	24AELPB0575L1ZI
<b>Standard Certifications</b>	ISO 9001:2015
<b>Minimum Order Quantity</b>	Depend on product
<b>Payment Terms</b>	Advanced
<b>Supply Ability</b>	As Per Order
<b>Sample Ability</b>	Yes
<b>Delivery Time</b>	Same Day Dispatch
<b>Brand Name</b>	Genesis

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### *Our client*

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From the very start of our business journey, our enterprise has focused on garnering a huge clientele in the marketplace. We succeeded in doing so by keeping a strict vigil on the quality of our offered range and rendering top customer support to clients. Today, our clientele includes numerous big names of the domain that are loyal to our company, some of them are listed below:

- Welspun India Ltd
- Ddecor Home Fabrics Pvt Ltd
- Sutlej Textiles And Industries Ltd
- Shri Damodar yarns mfg. PVT. LTD.
- G.M. Syntex Pvt Ltd.
- Dicitex Furnishing PVT. LTD.
- Dicitex Home Furnishings Pvt Ltd
- Siyaram Silk Mills Ltd
- Nibha Capital Services Pvt Ltd
- Reliance Chemotex industries Ltd
- Dodhia Synthetics Ltd
- Valson Polyster Pvt Ltd
- Yuveer Home Decore PVT.LTD.
- Twist And Turns
- Annpurna Overseas Pvt Ltd (Devgiri)
- Perfect Fab
- Yarn Plus
- Global Yarns
- Atul Textiles Pvt Ltd, etc.

### *Machine shop*

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1. BFW Xtron VMC machine (1 machine)
2. GER surface grinding machine (1 machine)
3. CNC machine SPM type (3 machines)
4. Batliboi lathe machine (3 machine)
5. Zeiss Micro scope
6. Zeiss coordinate measuring machine (CMM)
7. Hardness tester
8. Hydraulic press (3 machines)
7. Mechanical deburring machine CFM (3 machines)

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8. Klingelnberg spiral bevel and hypoid bevel gear generator (2 machines)

9. Laser spot welding (1 machine)

## our product

### 1. TEXTILE MACHINE SPARES

#### • CHENILLE MACHINE SPARES

##### ➤ KALIBER or CALIPER

"L" type for Italian machines from best quality and proper harden steel. surface and micro chemical treatment in yarn passage. wide range available from **0.6 mm to 10 mm**



##### ➤ DRIVER

The function of driver is that knitting the effect yarn with the core yarn by knurling (Cut diamond shape over the periphery of driver). High wear resistance material is use for driver. Our R&D team develops a special manufacturing method which is enable to achieve the size of thickness (W1) under 10um (Micron) tolerance. "Special Coat" gave its wonderful appearance, weather proof and homogeneous color. Relative motion between driver and anti driver toughness is very essential for longlife, So that we incorporate hardness process. We can also develop customize size.

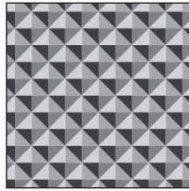
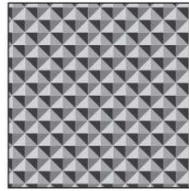
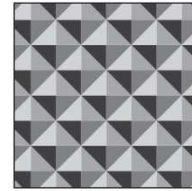


DRIVER CHART									
<b>W1</b>	2	2.5	3	4	5	6	8	11	12
<b>W2</b>	11	11	11	11	11	11	11	11	12
<b>Ø<sub>1</sub></b>	34	34	34	34	34	34	34	34	34
<b>Ø<sub>2</sub></b>	18	18	18	18	18	18	18	-	-
<b>Ø<sub>3</sub></b>	6	6 or 8	6 or 8	6	6	6	6	6	6
<b>(H6Tolerance)</b>									
<b>KNURLING TYPE</b>	B	A, B	A, B	C	C	C	C	C	C

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## KNURLING TYPE

**A****B****C***PRODUCT FEATURES*

- Max. driving efficiency of cut pile
- Max. working efficiency in optic clearing process
- Min. cuts and pile mistakes
- High wearlife of driver

➤ **ANTI DRIVER**

Anti driver for rotary blade machine from best quality & proper harden steel material. Hardness process is as same as driver for smooth relative motion between them. Made a "Special Coat" for heat resistance and long life. Dimensions are relative to Driver. We can also develop customize size.

*ANTIDRIVER AVAILABLE IN*

- Single bearing
- Double bearing
- Phosphorus bronze bush

➤ **BEVEL GEAR AND PINION**

Crown Gear & Pinion (suitable for Italian machine) is used for reduce the RPM of Rotary Blade up to **5:1 speed ratio**. Teeth generated in Klingelnberg machine. Crown gear & Pinion are made from high carbon steel. Special hardness process is required to enhance beam strength of tooth, friction resistance and sustainability. After the teeth grinding "Special Coat" is necessary for



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heat resistance, wear resistance and long life.

➤ **ROTARY BLADE**

Made by HSS M2 grade and have 60 to 62 HRC hardness which gives its very good life up to 12 to 15 months (Life depends upon the skill of operator).



		HSS M2 Chemistry									
		C	Mn	Si	Cr	Ni	Mo	W	V	P	S
<b>Content %</b>		0.7	0.1	0.2	0.2	0.3	4.5	5.5	1.7	0.0	0.0
		8	5	0	0	0	0	0	5	3	3
		to	To	To	To		To	To	To		
		1.0	0.4	0.4	0.4		5.5	6.7	2.2		
		5	0	5	5		0	5	0		

Rotary blade sizes available in		
O.D.	I.D.	THICKNESS
100 mm	22 mm	0.3, 0.4, 0.6, 0.8, 1.0 mm

We can develop custom size also.

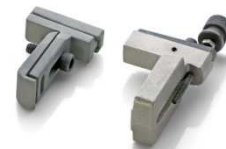
➤ **SHARPENING WHEEL**

Flared cup design available. Available in CBN and Diamond bond.



➤ **GAUGE HOLDER**

We use zinc material in pressure die casting. Suitable for all Italian machine. Fine and accurate machining in VMC machine and in close tolerance.



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➤ **SHAFTS, UNIVERSAL JOINTS AND ACCESSORIES**

We made all shafts from case depth material (SAE 8620) and having grinding accuracy up to 10 micron. Shafts suitable for Italian machines.



➤ **BLADE SHARPNER**

For grinding the blades suitable for all machine and it can grind 0.3, 0.4, 0.6, 0.8, 1.0 mm blades.



• **CARPET MACHINES SPARES**

➤ **CIRCULAR BLADES**

Use for cut carpets. Come with HSS M2 grade material and 60 to 62 HRC hardness and good life and finishing compare to EN 44D.

		HSS M2 Chemistry									
		C	Mn	Si	Cr	Ni	Mo	W	V	P	S
<b>Content %</b>		0.7	0.1	0.2	0.2	0.3	4.5	5.5	1.7	0.0	0.0
		8	5	0	0	0	0	0	5	3	3
		to	To	To	To		To	To	To		
		1.0	0.4	0.4	0.4		5.5	6.7	2.2		
	5	0	5	5		0	5	0			



Rotary blade sizes available in		
O.D.	I.D.	THICKNESS
100 mm	22 mm	0.6 mm

custom size also available on demand.

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➤ **Lots more spares coming soon shortly**

**2. DIES & FIXTURES AND ALL KIND OF ENGINEERING PARTS**

We have 3D design software to make models and simulate the real time analysis and fix any kind of problem regarding manufacturing process. We are provide following facilities.

- 3D designing software for modeling of product
- Stress simulation software
- Develop Die and fixture for particular components
- Punching and compound dies for hydraulic press
- Sand casting dies
- Pressure die casting dies
- Plastic molding dies
- Spiral bevel gear, used in automobiles and machine components
- Hypoid spiral bevel gear
- Worm and worm gears

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