



Inspiron<sup>®</sup>

*Innovation First* +



## The Company

InspirOn Engineering Pvt. Ltd., Ahmedabad came into being in 1973-74 as A.T.E. Industries Pvt. Ltd. InspirOn Engineering associated with German firm C.Eugen Maier Metallverarbeitung GmbH for technical collaboration and commenced commercial production in 1975 for manufacturing high-speed light aluminum alloy flyers.

InspirOn Engineering Pvt. Ltd., is the leading manufacturer and preferred OEM supplier of Textile Spinning Flyers since its inception in 1975. What makes InspirOn flyers unique is their ability to design, develop and manufacture flyers, all under one roof.



1. Design capabilities
2. Tool making for die casting
3. Material know-how & gravity die casting
4. Low pressure die casting
5. Process know-how & dynamic balancing
6. In house testing

InspirOn has sold over 4.5 million flyers across the globe.

InspirOn Engineering is an TUV NORD certified ISO 9001:2008 company since 1998 with production capacity of more than 1,50,000 flyers per year.

## Our mission

We are customer oriented company who will deliver: Products of the best quality, appropriate technology and world class services, which meet and preferably surpass customer expectations.

## We shall:

Strive to attain and retain market leadership in each field of our business activities, provide a challenging, fair and fulfilling work environment, operate in an environment friendly manner with a social conscience, provide our stake holders adequate returns.

### Trusted OEM Supplier since 1975:

- Lakshmi Machine Works
- Zinser Textile Systems Private Limited
- Electrojet Machinery Pvt Ltd
- Marzoli Textile Machinery Manufacturers Pvt Ltd

### Since 1993 – All European Frames

- MARZOLI MACHINES TEXTILE SRL
- MASCHINENFABRIK RIETER AG
- SAURER Zinser
- ELECTROJET S.A
- GROSSEHAINER TEXTRONIC GMBH

### InspirOn flyers running on Chinese Roving Frames (More than 50,000 flyers)

- SAURER CHANGZHOU TEXTILE MACHINERY
- CMT-HICORP MACHINERY
- JIANGSU HONGYUAN TEX
- HEBEI TAIHANG MACHINERY INDUSTRIES

## United Nations of Flyers

Argentina	Thailand
Bangladesh	Turkey
Brazil	Taiwan
China	USA
Egypt	Vietnam
Indonesia	Italy
Iran	Germany
Malaysia	Switzerland
Mexico	Spain
Nepal	Kenya
Pakistan	Nigeria
Peru	Morocco
Philippines	Saudi Arabia
South Korea	Bahrain
Sri Lanka	India



More than 150,000 flyers replaced on various TOYOTA and HOWA roving frames globally.



## ACS FLYERS

### (Suspended)

- Mechanical Speeds up to 1600rpm
- Package size -16"x5", 16"x6", 16"x6.5", 16"x7"
- Alloy steel presser and its unique weight distribution ensures uniform presser force throughout the build of the bobbin
- Highly polished stainless steel tube ensures free movement of fibers inside the flyer
- False twisters are manufactured from Virgin, Specific grade Polyurethane and Multipolymer Polyurethane

InspirOn also supplies extended height back row flyers. The extended height flyer maintains a uniform entry angle. This helps in keeping the tension uniform between front and back row bobbins and achieve a consistent yarn quality from all bobbins built within the machine.



## AC Flyer

### (Spindle driven)

The second generation flyers being manufactured since 1980

- Closed type AC flyers make speed upto 1400 rpm possible
- Highly polished stainless steel tube ensures free movement of fibers inside the flyer
- Package size- 12" x 5", 12" x 6", 12" x 6.5", 14" x 6.5"

## Accessories

A flyer's performance hinges as much on its own design as on accessories. InspirOn Engineering also manufactures all major accessories related to flyers to ensure improved productivity and increased life of the flyers. This leads to a consistent quality of roving.

## Presser Finger

InspirOn's Alloy steel pressers help in compact and uniform winding of the roving throughout the bobbin build up, thanks to its unique weight distribution & paddle design. InspirOn expertise in manufacturing wear-resistant Electroless Nickel Plated (ENP) pressers enables it to achieve longer life time. The plating hardens the presser surface up to 650 VHN, increasing the abrasion resistance against high-tensile and abrasive [Synthetic / Man made] fibre.

To attain optimum results, InspirOn Engineering recommends the use of its own pressers on its flyers. Besides getting best results from the presser assembly it also means that no dynamic rebalancing is required when an InspirOn presser is replaced on an InspirOn flyers.

## Bush & Screw pin

InspirOn Presser fingers are equipped with high precision bushes manufactured from imported raw material with high-precision bore, which ensure smooth movement, with minimal vibration.

## False Twist

InspirOn Engineering supplies a wide range of false twisters moulded from Polyurethane. These twisters are designed for various makes of speed frames and are compatible with all popular make of flyers. InspirOn Engineering can also supply Flyer Steel Tube cleaning wire with brush, which not only cleans the tube, but is also used to piece a broken roving.



**Multi Polymer Premium False Twister with higher abrasion resistance**



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**Trusted OEM Supplier**

**InspirOn Engineering Pvt. Ltd.**

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