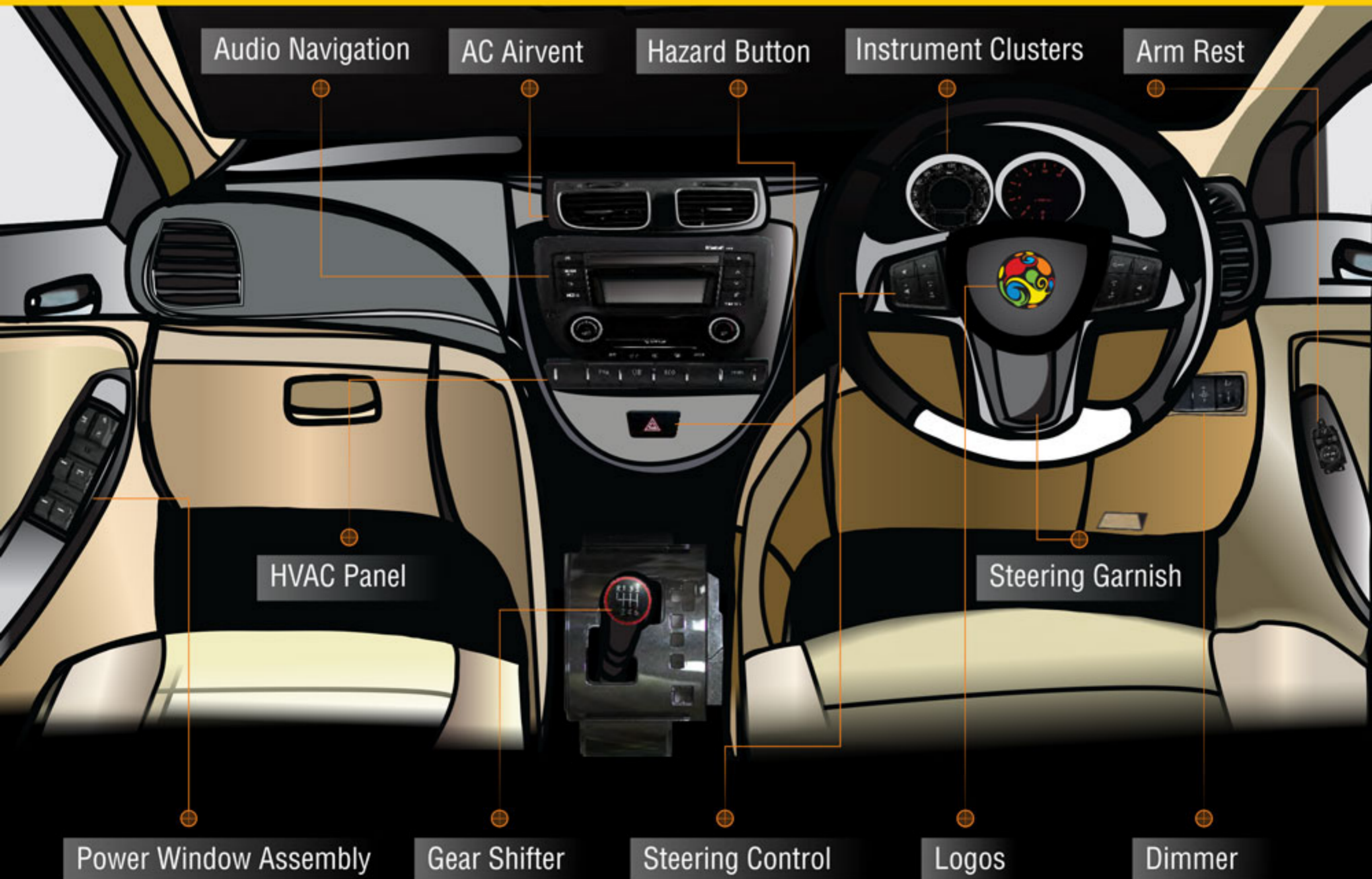




Luxury Coating Services

Automotive OEM

Matt - Metallics - Soft - Satin - Gloss - Chrome



CHENNAI

GURGAON

PUNE

NANO SPRAY COATING



Spinks World : Art Of Luxury Coating On Automotive Parts

Spinks World brings specialized expertise in the decoration of technical automotive parts. We are "end to end" solutions company which manages your project right from the conceptualization of idea, development of production process to mass manufacturing. We undertake :

Product Design → 3D Printing → Mold Design → Mold Making → Injection Molding → Spray Coating & painting → Laser Etching → Pad Printing → Screen Printing → Hot Foiling → Assembly

With three plants at Manesar, Chennai & Pune, we provide localized support & faster turn around time to cover entire automotive industry in the country. We currently produce two million parts per month & are ramping up capacity to 6 million parts by 2016.

Spinks World is the only company in the world with many unique capabilities such as :

1. Laser Technology : MARKOLASER are our own lasers which is the leading brand of laser in the country. We use TAMPOPRINT & as well as our lasers in backlit business. Understanding lasers is very critical in our business.

2 Tampon Printing : Our group company represents world's best pad printing company TAMPOPRINT AG . We use these machines to print automotive parts for best quality printing.

3 Colors and Inks : Our group company represents global brand like JUJO, RUCO, DIEGEL for colors which are used all over the world in automotive business.

Hence we not only have capabilities of global companies but also 28 years of relevant experience to do best painting and printing jobs with best global painting capabilities.

4 Painting Capabilities : All our plants are equipped with worlds best European plants for painting. The best global cars components use similar facilities.

Hazard Button



Instrument Clusters



PAD PRINTING - LASER - FOILING



Parts & Specialization :

a. Audio/Climate Control Panel Decoration

Audio and Climate control are the central parts in success or failure of an automobile. A combined knowledge is needed to spray coat special high lighters, in chrome, Satin chrome, High gloss effects. Laser marking, Pad printing, screen printing, lacquering business are also specialized. We specialized in these projects upto assembly.

b. Hazard Buttons : The red colored hazard Buttons are a very special part of any automobile interior. They need special process and handling with the help of precision machines, to be able to give a rich, sophisticated and crisp look to the knob. We match very high quality red finishes from high gloss to matt with pad printing or laser etching. In fact, we were the first ones who started painting and marking the hazard knobs of SUZUKI many years back in silver color. Until then it was being imported.

c. Control Panel : Injection molding + parts painted and laser etched. We are doing many projects for leading automotive companies presently.

d. Push Buttons : PC, PC-ABS, Pad Printed, Painted, Laser Etching, Lacquering, one & two component injection molding & Foiling.

e. Steering Wheel Control

Housing - PC- ABS

Buttons - PC

Finishes : Haptic (soft) finish, Matt, Satin, Satin Matt, Metallics Painting satin, metalices, high gloss.

f. Optical Parts : Light Conductor PC/PMMA

Optical light guides are made of special plastics on special machines to compete with optical qualities of glass having one source to multiple points of display. We specialize in mold and molding of these special parts on special machines.

g. Logos and Steering emblems

We are specialist in combination decoration process e.g. Pad Printing with precision followed by chrome painting. This process is used as an alternative to very expensive decoration process like plating on plastics (POP) or PVD processes. Special knowhow of TAMPOPRINT AG is used to block or print colors. Paint filling, Foiling etc are also some complements.

Facia



Door Handles



INJECTION MOLDING - TOOL MAKING



h. Engine Cover Printing

TAMPOPRINT AG is super specialists for engine cover application. We are partners of this company in India. We offer machines or job work for such projects. High temperature resistance with tough adhesion property requirements make these jobs really special.

Our Specialization

• Painting Technology (Made In **Germany**)

Spinks which origins from special inks and coatings has vast experience in matching color and finish requirements meeting very strict automotive standards.

Why our paint coating process is different ?

1. All facilities are equipped with German coating plants used by BMW/VW/MERCEDES vendors in Europe to coat the Automotive plastic interiors.
2. Thin & uniform thickness.
3. All our paintings give "NO PAINT LOOK" natural rich finish.
4. State of the art facility with ISO certified manufacturing plants.
5. We can do exterior as well as interior decoration in automobile industry.
6. Laserable & Optical Painting technology.
7. Special "DAY & NIGHT" designs technology.

Options in Paints

We specialize in Chrome Effect Paints replacing galvanizing, Satin Chrome, Graphite Black, Magnesium and Satin Black finishes. Beside this, Beige, Grey, Standard colors, Haptic soft feel, Matt black, Piano Black, Anodized aluminum effect, special metallic effects, scratch resistant coatings & matching can be provided.

We have the best color matching services of RAL®, NCS®, PMS® & TOYO® available in the market today. There are many options which can be provided to the automotive designers like day time appearance, night time appearance, before and after illumination etc.

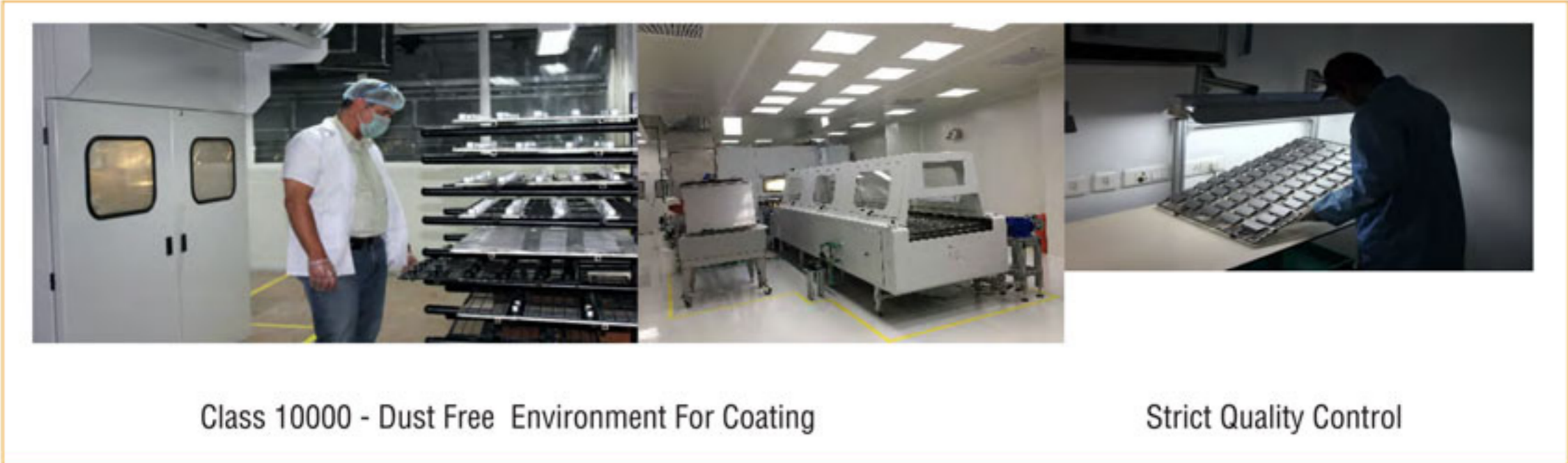
AC Air Vent - Painting/Foiling



Steering - Control



Automatic Spray Coating Lines



Class 10000 - Dust Free Environment For Coating

Strict Quality Control

• MOLD MAKING CAPABILITIES

State of the art tool room facilities consisting of CNC, VMC, Turning centers from DMG, CNC-EDM & CNC wirecut from Charmilles, We are fully equipped to meet your requirements of injection molding & molds manufacturing. We specialize in cold runner, hot runner, single & multi cavity insert molding, double molding, over molding, plastic to metal, plastic to elastomer & injection molding tools.

CNC, VMC & Turning center from DMG



Wire Cut



CNC - DMG



CNC Grinding



Injection Molding Machine



Charmilles- EDM

CAD/CAM - Solid works simulation etc
 MOLD FLOW - Moldex - 3D (in house)
 3D PRINTING - STRATASYS* (OS)
 CMM (test)- CARL ZEISS multi axis

• Injection Molding

Spinks Softech is setting new bench mark for injection molding in automotive industry. We use only world class machines from Europe & Japanese electric machines for our precision molding requirements. With machines ranging from 50 tons - 180 tons, we can produce any complex part in PP, ABS, PC, PC-ABS, PMMA, PA-6 & GF compatible to match aesthetic and functional standards of all automobile OEMS. "End to End" solutions from Injection molding to Spray coating services are available at all our locations in Gurgaon, Chennai & Pune.



- **Laser**

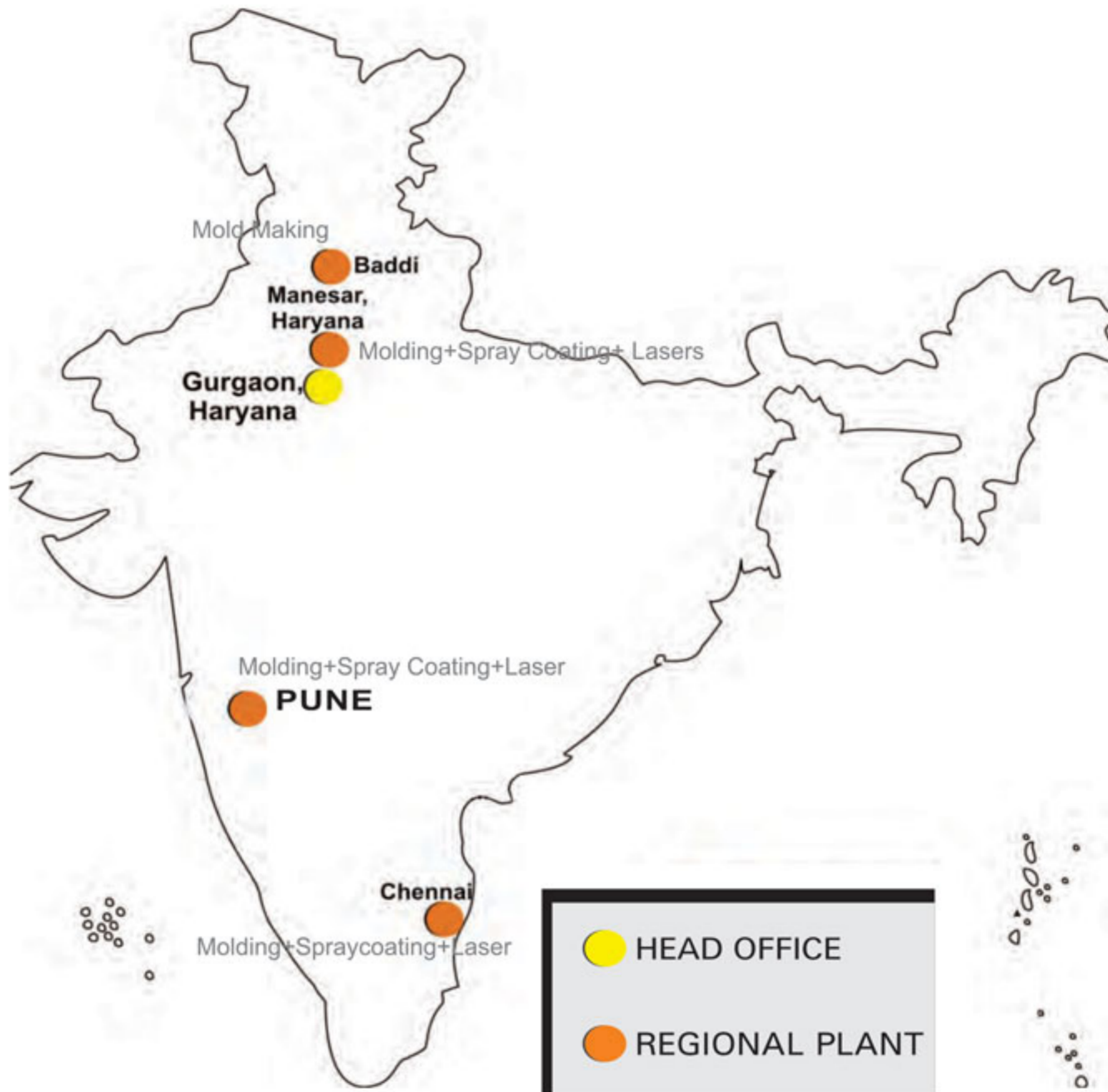
We specialize in the laser used in “day and night” design business of this industry. Infact we specialize in multilayer laser removal process by the use of special lasers. We use specially optimized lasers from germany and our own for the special application. Day time effects differ from night time illuminations. We can help you design new ideas.

- **Pad Printing**

Our group company represents TAMPOPRINT AG in India. we have combined knowledge of 75 years in this business. We give very high quality result on automotive products understanding the tough requirements of this industry.

- **Automation capabilities**

Special thanks to our group capabilities to design & build automations, we can undertake complete automatic assembly lines. Pick & Place, Lubrication, Indexing, Pressing, Stamping, Drawing, Visual 2d & 3d, Inspection electrical testing can be integrated.



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