



# Plastic Tomorrow

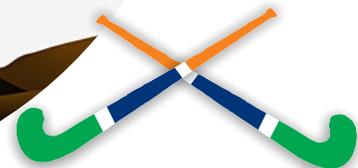
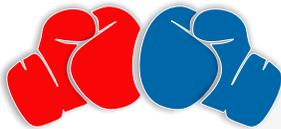
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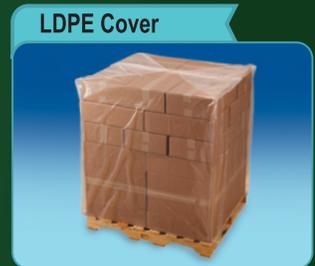


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# Online Rotogravure Printing Machine



## Application:

- ▶ LD HM Liners
- ▶ Carry Bags & Shopping Bags
- ▶ Garbage Bags
- ▶ Compostable Bags
- ▶ PP Liners or Bags

## Features:



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## Technical Specification:

Model Name	Min. Print	Max. Print	Min. Print Repeat	Max. Print Repeat
OLP 16	150 mm	400 mm	250 mm	660 mm
OLP 22	250 mm	550 mm	250 mm	660 mm
OLP 28	250 mm	700 mm	250 mm	660 mm
OLP 32	300 mm	800 mm	250 mm	660 mm
OLP 42	380 mm	1060 mm	380 mm	760 mm
OLP 52	380 mm	1320 mm	380 mm	760 mm
OLP 62	500 mm	1570 mm	500 mm	880 mm



# Online Mini Rotogravure Printing Unit

## Application:

- ▶ Warning Signs
- ▶ Company Information
- ▶ Film Specification
- ▶ Product's Material Property Details
- ▶ Legal Informations

## Features:

- ▶ Rotogravure Cylinder Based Concept
- ▶ Sharp Printing Quality
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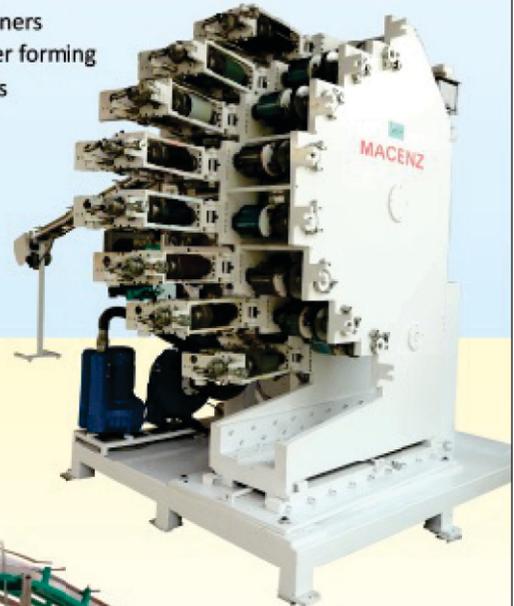


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**CONTENTS**

**BUSINESS NEWS**

Ascend Wins Lithium Battery Additive Patent -----10  
 Cloud Chemicals to foray into Manufacturing -----08  
 Exhibition Detail -----15  
 Subscription Form -----15  
 Tech Talk -----19,20,21  
 Project Up Date -----25

**ADVERTISEMENT INDEX**

Banu Plastic Containers ----- 18  
 Champaneri Engineers And Fabricators -----05  
 Dugar Polymers Limited -----29  
 Econ Machinery Private Limited -----28  
 Jaydeep Engineering -----16,17  
 Khodiyar Industries ----- 22  
 Maa Shakti Corporation -----04  
 Modi Enterprise -----18  
 Operon Strategist -----30  
 P3 Exhibition -----09  
 Perfect Packwell Industries-----14  
 Pep-Cee Pack Industries -----02  
 Plastic Tomorrow -----27  
 Plastic Udyog -----32  
 Plasti Vision= 2023 -----07  
 Plastic Packaging Directory -----13  
 Plastic Recycling Directory -----11  
 Shree Yamuna Trading Co. -----10  
 Tirupathi Hydrocarbon Pvt.ltd. -----03  
 Top Drive -----31  
 Vikas Enterprises -----12

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# CLOUD CHEMICALS TO FORAY INTO MANUFACTURING

This initiative by Cloud Chemicals of providing ready-to-use colours for the PVC pipe industry is infact a pioneering initiative in India.



**MUMBAI** : Cloud Chemicals - a contract manufacturing and chemicals' distribution company primarily catering to the plastic, paints and ink industry - has been

extremely successful while trading with a reputed network of overseas manufacturers for the past many years now; well catering to the needs of the industry.

As part of the launch of "Make-in-India" in September 2014, the Government of India has undertaken several reforms to create an enabling environment for manufacturing, design, innovation and start-ups while introducing special schemes for MSMEs.

Taking advantage of these opportunities while already having carved a niche for itself in the business of wholesaling, trading and exporting of optimum quality high performance pigment, inorganic pigment, organic pigment and glass flake, Cloud Chemicals has expanded its horizons and forayed into the manufacture of a range of titanium dioxide and pigments.

The manufactured range includes 3 grades of Titanium Dioxide (C 950, C 900 and C 800) and pigments for application in rigid PVC pipes and garden pipes among others. Plans are afoot to manufacture a range of additives.

This initiative by Cloud Chemicals of providing ready-to-use colours for the PVC pipe industry is infact a pioneering initiative in India. Consistent quality through an elaborate pan-India distribution network for an efficient just-in-time delivery continue to be the stand out facets of the Cloud Chemicals business.

"With a current capacity of 15 tonnes per month, and scalable to 75 tonnes per month, we at Cloud Chemicals are all set to make a mark in this sector too", highlights Pranav Shah, Director, Cloud Chemicals Pvt. Ltd. The technology deployed in the manufacturing process is 'tumbler blending with high-speed mixer blending'.

Armed with a warehouse each in the main metros of Mumbai and Delhi and more than 500 clients across 21

Indian states, the company intends to put its well-established trading network to good use in promoting its product. The objective is to begin with local manufacturing and scale it up to cater to the needs of the Indian and global markets.

Furthermore, Cloud Chemicals prides itself for reliable distribution along with total quality management, continuous improvement and responsible care towards the society and environment.

Riding on its strong presence and outreach among trading partners, both domestic and overseas, the company is confident of setting up a manufacturing facility of its own. The data that India turned a net exporter of chemicals and related products for the first time in at least a decade in FY2020 lends weight to the claim that the country's chemicals' sector can be a sustained driver of its merchandise exports and Cloud Chemicals is keen on being part of this success story.

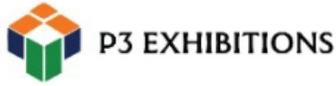
## About Cloud Chemicals

Cloud Chemicals is a contract manufacturing and chemical distribution company that aims to set a benchmark in the dyes and pigment industry. Based on the principles of responsible care and reliable distribution, they adhere to honesty and business ethics in all aspects of the business functioning.

Primarily catering to the plastic, paints and ink industry, Cloud Chemicals focuses on total quality management and maintains high-quality standards. With an aim to exceed the expectations of customers, they are motivated to deliver indispensable services consistently.

With the philosophy of continuous improvement, they aim to become the largest chemical company. As a responsible chemical company, they not only care for the products and services offered but also realize their duty towards the society and environment. Their focus lies on building long-term relationships with customers by offering consistent after-sale service at an affordable pricing policy.





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# ASCEND WINS LITHIUM-ION BATTERY ADDITIVE PATENT CASE AGAINST SAMSUNG SDI

Ascend Performance Materials has successfully challenged a lithium-ion battery technology patent held by Samsung SDI. In a final written decision, the U.S. Patent Trial and Appeal Board held that all of the challenged claims were invalid for multiple reasons.



The board's decision broadly enables manufacturers to use Trinohex Ultra™ in the United States for their lithium-ion battery electrolyte formulations.

To date, Ascend's global efforts to invalidate Samsung SDI's patent family have been successful, with favorable decisions in China and the U.S., with actions pending in other jurisdictions.

"We are pleased that the board saw the merits of our case against an overly broad and restrictive patent," said Dan Burke, Ascend's intellectual property attorney. "The board agreed that the scope of the existing patent was too broad and that its claims were invalid in view of earlier well-known additives."

Ascend's Trinohex Ultra is a globally available, non-hazardous electrolyte additive that improves battery life and overall performance, especially in extreme conditions. Independent testing has shown Trinohex Ultra to be effective in reducing harmful gas generation by over 25% and protecting both current and next-generation lithium-ion battery cathodes from degradation.

"We have tested batteries containing Trinohex Ultra across different cathodes, voltages and electrolyte chemistries," said David McNeece, Ascend's business manager for battery chemistry. "Across the board, Trinohex Ultra outperforms competing additives – displaying superior performance in gas generation and capacity retention, which leads to longer-lasting and higher performing batteries in all conditions."

Ascend is a fully integrated producer of high-performance polymers, fibers and specialty chemicals used in automotive, electrical and electronic, consumer and industrial products globally.



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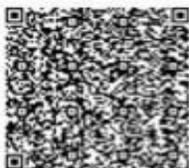
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## EXHIBITION DETAIL

EXHIBITION	COUNTRY	DATE
Plastec West	Anaheim, CA	10-12th August-2021
T-Plas 2021	Bangkok,Thailand	22-25th September-2021
27th Fakuma	Messe Friedrichshafen, Germany	12-16th October-2021
VietnamPlas	Ho Chi Minh City, Vietnam	13-16th October-2021
Plastic Technology Expo	Chandigarh	12-15th November-2021
ArabPlast	Dubai World Trade Center, UAE	15-18TH November-2021
Plastasia 2021	BIEC Bangalore	26-29th November-2021
plast Eurasia Istanbul 2021	Istanbul, Turkey	1st-4th December-2021
Plastic Technology Expo	Gurgram ( HARYANA)	14-17TH January-2022
Interplastica	Moscow, Russia	25th-28th January-2022
PLAST INDIA-2022	PRAGATI MAIDAN-NEW DELHI	17-21 FEB-2022
Plastic Technology Expo	Bengaluru	6-9th May-2022
Plastic Technology Expo	Navi Mumbai	13-15th August-2022
P3 Exhibition	Hyderabad	12-14th May-2022
PLASTIVISION	MUMBAI-2023	9-13 FEB-2023



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**SAMEER JOSHI, PHD**  
joshisameera@gmail.com

Although the UN Decade ends in 2030, it aims to create a platform for societies globally to put their relationships with nature on a new trajectory for centuries to come. It is envisaged that this trajectory will include: nature being respected across society; ecosystem restoration taking place over hundreds of millions of hectares and generating **MISSING FROM HERE GO TO PAGE NO. 20** millions of new livelihoods; human rights, with a focus on gender equity, youth, local communities, indigenous peoples and future generations, being central to restoration initiatives; global supply chains and consumption patterns being shifted to protect, sustainably manage and restore nature; long-term scientific research being used to guide restoration initiatives; and the value of nature being a central pillar of national systems that assess economic well-being. Reducing inputs of plastic to the environment must be prioritized through a global multidisciplinary approach.

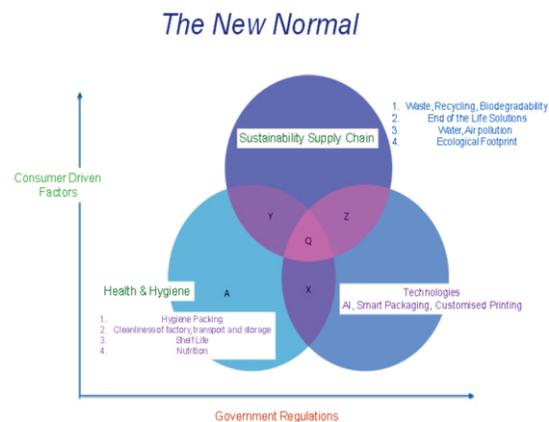
Mismanaged waste is a major land-based source of plastic pollution that can be reduced through improvements in the life-cycle of plastics, especially in production, consumption, and disposal, through an Integrated Waste Management System. SOME recommendations for stakeholders to reduce plastic pollution include

- (1) regulation of production and consumption;
- (2) eco-design;
- (3) increasing the demand for recycled plastics;
- (4) reducing the use of plastics;
- (5) use of renewable energy for recycling;
- (6) extended producer responsibility over waste;
- (7) improvements in waste collection systems;
- (8) prioritization of recycling;
- (9) use of bio-based and biodegradable plastics; and
- (10) improvement in recyclability
- (11) use of technology, IOT to manage and process

The success of recycling—indeed, its true value in the long term—won't depend on how much landfill space is saved but on whether or not recycling makes

economic sense. To build demand for recycled materials, government and business must not only reinvent themselves, they must also reinvent their relationship, especially when it comes to economic problems that neither can solve alone.

The most common reason given for the current economic crisis in recycling is the supply and demand problem.



As times change, one has to take actions to strengthen the commitment for a better environment with our actions.

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## Safaikarmachari Training- Enhancing and Upgrading skills of sanitation staff.

The management of municipal solid waste in India has been challenging due to the enormous amount of waste generated every day. The government of India launched the Swachh Bharat Mission in 2014 for implementing a better waste management system. This programme identified that human behaviour is a key reason for unclean cities and villages. Hence focus on creating behaviour change was made which would bring about success in making India cleaner.

### ROLE OF SWACHH SURVEKSHAN FOR KEEPING INDIA CLEAN

Swachh Survekshan, the world's largest cleanliness survey was launched as a part of the Swachh Bharat Mission. As the name suggests this survey is an annual survey of cleanliness, hygiene, and sanitation in cities and towns across India. After the survey is conducted the cities are ranked under Swachh Bharat Mission Urban and quality council of India. The Urban local bodies that are the Municipal councils of respective cities with the help of Safai Karamcharis work for the implementation of activities aligned with Swachh Survekshan. The Urban Local Bodies (ULBs) play an important role in managing the municipal solid waste, as they are responsible for planning, implementing and monitoring all the systems of municipal solid waste.

### ROLE OF IEC (INFORMATION, EDUCATION AND COMMUNICATION)

IEC (Information, Education and Communication) is a key strategy under SBM(Urban) which ensures that sanitation as an issue is mainstreamed with the general public at large. Safai Karmachari training is sanitation workers training which is aligned with IEC activities. Segregation of waste into dry or wet waste is necessary for waste processing and safai karmacharis are an integral part of the segregation of waste at source. They work in vulnerable conditions and are prone to health hazards. Plus the global pandemic has only increased the health risk. Swachh Bharat Mission identified the capacity building of sanitation staff as important to ensure the city waste

management system is sustainable. Safai Karmachari training is one such activity where enhancement and upgrading of safai karmachari skill are done by a team which consist of NSDC (National skill development corporation) certified trainers. The following topics are covered during a two-day Safai Karmachari training.

### TOPICS OF SAFAI KARAMCHARI TRAINING

#### For Day 1 of session

1. Use of personal protection equipment (PPE)- Given the hazardous environment in which safai karmachari works, wearing PPE is necessary, not only wearing it but how to wear it correctly and when to use it is important. All these aspects are taken into consideration and explained to them by the trainers during the session.
2. Personal care and first aid- Washing hands frequently by following the 7 steps and how to use first aid in case of any accident is explained for this topic.
3. Outdoor cleaning (Roads, Pavements and Public Areas)- For this part of the session a demonstration is given of how to prepare the broom for cleaning. Outdoor cleaning is done at roads, pavements etc and how the flow of the cleaning process should be, the place where it needs to be aggregated and how the transportation of this collected waste should be done is briefed by the trainers.
4. Indoor cleaning (Building, commercial area etc)- Indoor cleaning is done in commercial areas, inside buildings etc. The floor types vary in every building and hence brooms need to selected accordingly. Apart

from this for cleaning the floors, floor cleaners are used which contain harmful chemicals so it needs to be handled with precaution. This is discussed in this part of the session.

### For Day 2 of session

1. Segregation of waste and its transportation- The type of solid waste and how to segregate them into dry, wet and hazardous waste are demonstrated during this session.
2. Wet waste processing- Basics of composting and technical know-how are explained for this part of the session.
3. Soft skills- Various activities are conducted to teach the safai karamcharis team building skills. Apart from



this communication skills are introduced on how to communicate with the residents and how to do reporting and communicate it to the officers.

### ● FEEDBACK FROM SANITATION STAFF

“The information provided during the two days sessions was very informative and we never heard of many things which were discussed. What we learned is the importance of discipline while working and taking personal care. Team building activities helped us for better understanding about communication with others including residents and officers.” said Ramchandra Vinayak Bhise, a sanitation staff from Karad of Satara district in Maharashtra who participated in safai karamchari training.

Social Lab has been successful in conducting such training in 17 cities. We have NSDC certified trainers who conduct two days of training, where PPE kits are also distributed. After the training, the most important impact observed is teamwork, and the sense of responsibility towards



the work allotted increases. Safai Karamcharis work in hazardous environments daily which makes them prone to infectious diseases and to avoid this PPE kits are given, which are used regularly after awareness regarding it during the training. Apart from this communication skills also improved, this helps in communication regarding segregated waste collection during door to door collection and while communicating the status of waste collection and segregation process to the ULBs regularly. Overall these training sessions motivate the Safai Karamcharis and make them confident about their work, and how it is important for managing waste on a daily basis.

### About the Agency :

Social Lab Environmental Solutions is a waste management company committed to creating people-centric waste management solutions. They have a team of 20+ people comprising Engineers, Management Professionals, Social Workers, City Planners, and Sustainability Professionals. The team has on-ground experience in designing and implementing the Solid Waste Management (SWM) system for the cities. Social Lab is headed by alumni of the College of Engineering, Pune and Tata Institute of Social Sciences, Mumbai.

They work closely with companies especially Plastic producers and FMCGs to fulfil their EPR mandate under PWM Rules 2018. They do this so by managing the complete supply chain from collection to disposal in a transparent manner. Their clients include Marico Ltd, Dabur India Ltd, Garware Polyester Ltd, Cosmo Films Ltd, Parakh Agro Industries Ltd, and 70+ MSMEs from Aurangabad, Pune, Nashik, Jalgaon, Kolhapur, Latur, Jalna, Yavatmal, and Nagpur.

Reference- <http://cpheeo.gov.in>

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	Flexible Packaging, Ink, Adhesives, Hall No.05
19th November 2021 At Vigyan Bhavan, New Delhi	Environment, Climate Change-Half Day (Hall No.04)  Glass Recycling-Half Day (Hall No.04)
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20th November- 2021 At Vigyan Bhavan, New Delhi	Commonwealth Countries Business opportunities for Indian MSME's & SME's (Hall No.04)
	Battery Recycling & Electrical Vehicles Hall No.05

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- Delegate-12000
- Exhibition stalls - 6/9/18 sqm- price Rs-14,000/sqm
- Nomination for Award-Platinum | Golden | Star Platinum
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ગામદોડ, ત્યાંનાદોડો. જુદીદિશાપકડો.

આખું ગામ અત્યારેક્ષતપીવીસીકોર્મ્ડબોર્ડબનાવવા માટે,છાશવારે ચાઇનાદોડી જાય છે.પ્લાયવૂડની કેટલી માંગ છે એ કોઇને ખબર છે? એની સામે આપીવીસીબોર્ડવેચવાના છે.

નોન-વોલનબનાવવા માટે મશીનલઇઆવનારાનીશીદશા થઇ એ ગામ આખુંભૂલીગયું છે.

મોટાંકીભાંડો લોકોભૂલી જાય છે,એટલે આ વાત બહુસામાન્ય છે.

પણ ફરેકયુગમાંદરેકવાતનુંપુનરાવર્તન થયાંકરે છે.એટલે હવે, નોન-વોલન પછી પીવીસીકોર્મ્ડબોર્ડ નો વારો છે.

લોભીયા હોય ત્યાં ધૂતારા ભૂખેનામરે. એટલે છાશવારે, બેગ ભરીનેચાઇના ઉપડીજતી પ્રજાને લાલબત્તીબતાવવાનો આ પ્રયત્નસમજવો.ચાઇના, આપણાજેવાસસ્તંખરીદનારાલોભીયાંની રાહ જોઇને, જાળ પાથરીને રાહ જુએ છે. આપણીલગભગ અભણ અનેકહેવાતી ભોળી પ્રજા ને એરપોર્ટથી લાવે, લઇ જાય, મસાજકરાવી દે, ફોટલેથી લાવવા-લઇ જવાનીસગવડઆપે એટલે આપણી પ્રજા ભરાય.

ત્યાં જઇને, આપણને, પરીપજીવીવેલોનીજેમ,મક્તમાં ખાવા-પીવાથી લઇને, ફરવા-ફરવાં સુધીનું મળી જાય એટલે આપણા બાપ જન્મારેયકોઇ જાણકારીનહિકોવાં છતાંયે, જે મળે એ ઉચકીલાવવુંએવીઆપણીબાલીશફરકતોનો, ચીનાઓ લાભ ઉઠાવે છે, અને એ આપણને ભાન પડેત્યાં સુધી ઘણું મોડું થઇ ચૂક્યું હોય છે.

સુધરી જાવ, આપનાપિતાજી એ બહુમેહનતકરીનેરુપિયાભેગાંકર્યાંહશે. આલેખ, ગુજરાતીમાંહોવાનુંકારણ ચોક્કસ છે. જ્યહિંદ.

The Author, Mr.Kamal Shah, is Ahmedabad based consultant, assisting to set up Lucrative and new projects.

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स्वर्णिम जवानी इसमें बिता दी  
ये हमारा श्रम-साधित संसार है ॥6॥

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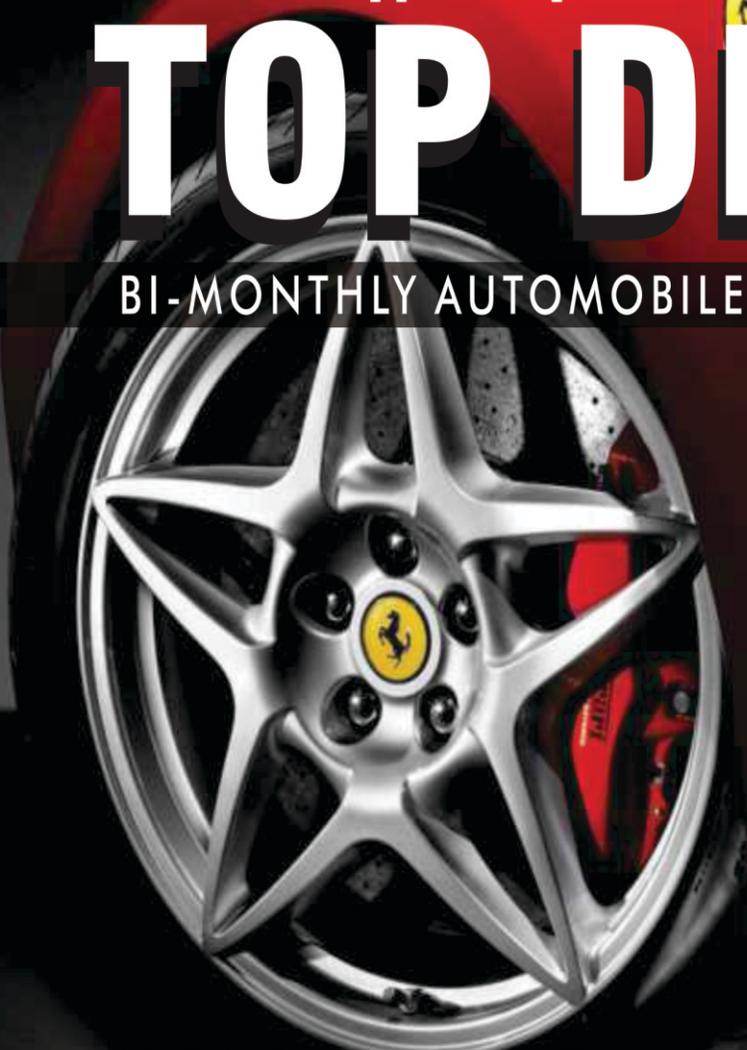


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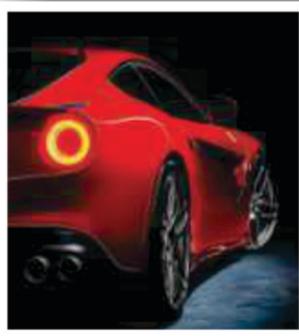
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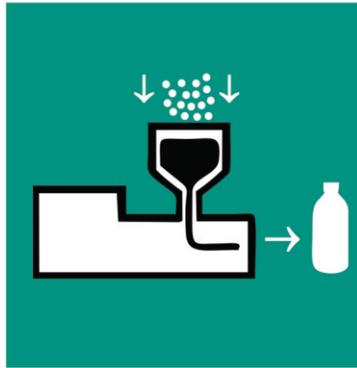


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