



# PLASTIC TOMORROW

*Bi-monthly Plastic News Magazine*

[www.plasticudyog.com](http://www.plasticudyog.com)

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## Ashok Industries



### Multi Layer & Monolayer Extrusion Plant

#### Mono Layer Film Plant

Screw Diameter : 32, 40, 45, 55 mm  
Layflat : 127 mm to 1100mm  
Out Put : 40 kg to 100 kg

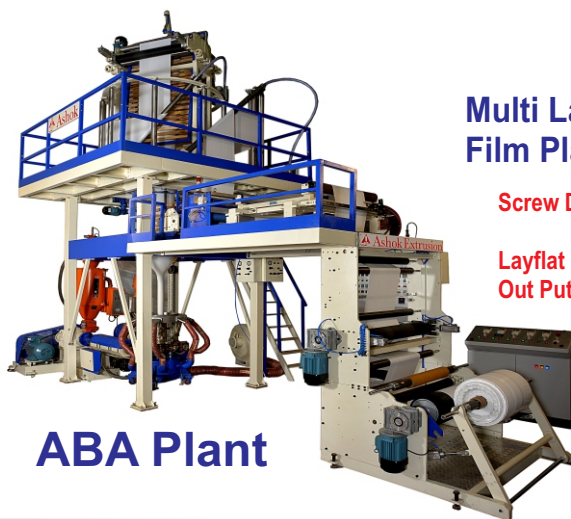


#### Application of HM-HDPE, LD, LLDPE Films

- > Vest Bags (Zabla)
- > Heavy Duty Bags
- > Shopping Bags
- > Refus Bags
- > Liners
- > Textile & Garments

#### Multi Layer Extrusion Film Plant Three Layer

Screw Diameter : 40, 45, 55  
(Three Layer)  
Layflat : 600-1700mm  
Out Put : 100kg to 200kg



#### ABA Plant

#### Special Feature

- > Gas Nitritded Screw and Barrel > Helical Gear Box Spiral Die > Ac drive for extruder and Take Up
- > Surface Winder > Film embosing (RimZim) > Arrangement > High Output
- > Low power consumption > Space saving compact model > Improved efficiency
- > Cold Star Preventer > Alarm for failur of machine

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## Our Product

Extrusion Coating Lamination Plant

LLDPE, HM-HDPE, LDPE Film Plant

PP-TQ Film Plant

Plastic Film Making Plant

R-PVC / S-PVC Film Plant

PP/HDPE Box Strapping Plants

PP Sutli Plants

Co-Extrusion Film Plants

**Quality & Efficiency  
with latest Range of  
Our Products.**



- ❖ Quality
- ❖ Reliability
- ❖ Safety

## Our Achievements



Rajiv Gandhi  
Excellence Award  
2010



Bhartiya Vikas Ratan  
Award 2010



National Status Award  
2010



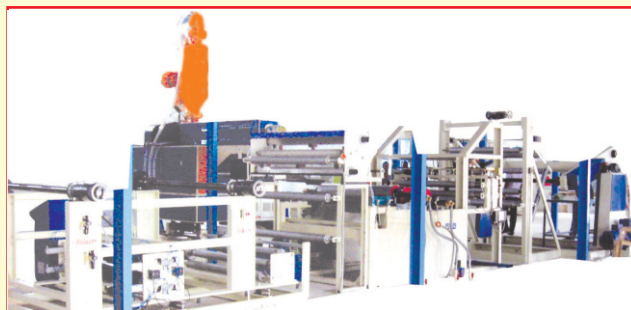
Bhartiya Vikas Ratan  
Award 2007



Gold Medal



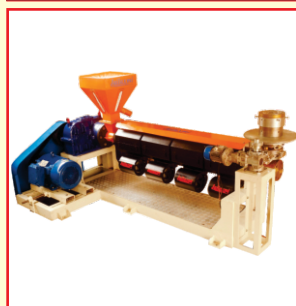
Gold Medal



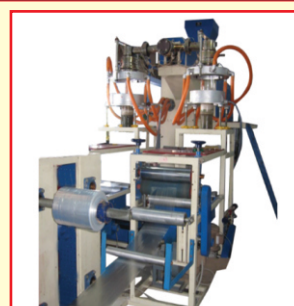
Extrusion Lamination Plant For Paper



Extrusion Lamination Plant for Woven Sacks



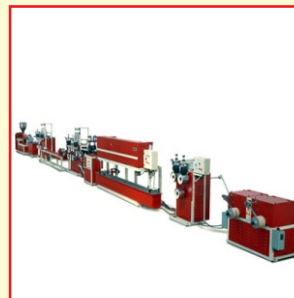
Extruder with Rotating Die



PP-TQ Film Plant



R-PVC / S-PVC Film Plant



PP/HDPE Box Strapping Plants

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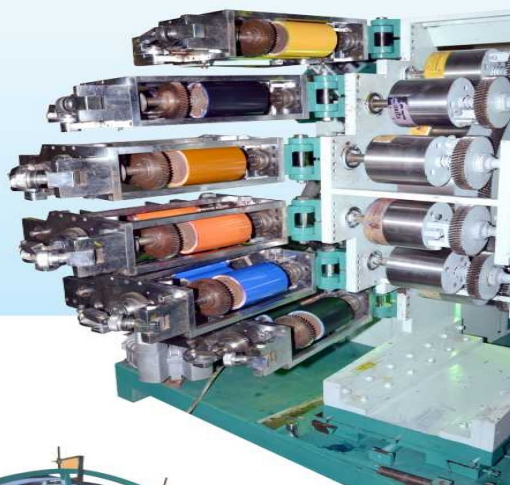
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## CABKA ACQUIRES SYSTEC MIXED PLASTICS



- Expansion of the Group's recycling capacity by 15% and strengthening of the Eco-Products Business
- Expansion of production sites
- The location will continue to be a Duales System Holding partner in the future

The CABKA company group continues to grow. CABKA has taken over Systec Mixed Plastics GmbH (SMP), located in Genthin, Germany, since the beginning of January 2016. The company now operates under the new name CABKA GmbH Genthin. This was reported by the companies CEOs, Gat Ramon (CABKA) and Michael Wiener (Duales System Holding).

CABKA, known for innovative plastic palettes and boxes, expands its supply of raw materials and continuously develops its approach to circular flow economy with the acquisition of SMP. CABKA will start to transform step-by-step SMP's feedstock recycling into mechanical recycling. This will strengthen the company's plastic recycling business as well as its Eco-Products brand, which features sustainable products made of 100% recycled plastics. Eco-Products are used in numerous areas such as the construction industry, road and traffic safety as well as for garden design and landscaping.

SMP manufactures agglomerates made of mixed plastics from commercial and municipal collection. As part of Duales System Holding, SMP acquired the Genthin location in 2012, which it successfully restructured in the years to follow. The Genthin location employees 34 people.

In the future, Duales System Holding will concentrate primarily on the processing of homogeneous plastic fractions. "The recycling of mixed plastics is no longer one of our core strategic activities," says Michael Wiener, CEO of Duales System Holding. "Which makes the timing of the acquisition perfect."

CABKA will give the company new inspiration."CABKA GmbH Genthin will remain an important partner of Duales System Holding for mixed plastics recycling. Securing SMP's existing jobs and stock is important to both companies

With the takeover, CABKA expands its raw material capacity by nearly 50,000 tons and secures a stable pricing policy for its customers. Managing partner of CABKA Group, Gat Ramon, chimes in, "this will intensify our company's sustainable and innovative approach to its recycling concept. Products at the end of their life span are repurposed and additional life cycles are created."

All employees of the new CABKA GmbH Genthin will be incorporated into the CABKA Group, bringing its total staff to approximately 570 people.

Courtesy

## PIEDMONT PLASTICS LAUNCHES NEW WEBSITE

Piedmont Plastics, an industry leader in the wholesale distribution of plastic sheet, rod, tube and film, is pleased to unveil the launch of its new website: [www.piedmontplastics.com](http://www.piedmontplastics.com). The new site details Piedmont's wide range of plastic sheet, rod, tube and film products. The new site is a resource rich in application, market, and product content. Its comprehensive interface tool allows users to cross-reference products, applications and markets to quickly access information and solutions.

The new website's user-friendly, responsive design is easy to use across mobile, tablet, and computer interfaces. Its streamlined design offers simple navigation and easy-to-find product solutions. The enhanced "Interface Tool" details Piedmont's product breadth and depth. The "Value-Added" section details the many services available to Piedmont customers. The website's enhanced "Blog" function showcases Piedmont's latest events, recognitions, upcoming events, and other newsworthy product content. Make sure to click or swipe your way through the new website today at [www.piedmontplastics.com](http://www.piedmontplastics.com).

In addition to capturing an ongoing snapshot of the breadth and depth of our solutions, the new website offers the following features:

- Clean, Modern Design
- Easy to Use Navigation
- Improved Search Options
- Markets, Applications, Products Tool (MAP)
- Responsive Design Across Devices
- Many New Features and Upgrades
- Mobile Friendly
- And Much More!

[www.piedmontplastics.com](http://www.piedmontplastics.com)

Courtesy

## GCC PLASTICS INDUSTRY TO GROW BY OVER 3% ANNUALLY TILL 2020, SAYS GPCA REPORT

Plastic production in the Arabian Gulf will grow at a steady 3.2% till the end of the decade, spurred by a sustained roll-out of strategic projects, according to a new study by the Gulf Petrochemicals and Chemicals Association (GPCA).

"No matter the country or economic cycle, the growth of plastic production in the GCC is a unique success story in the Arabian Gulf Countries' continuing journey towards economic diversification," said Dr. Abdulwahab Al-Sadoun, Secretary General, GPCA. "This is no doubt a testament to the long-term vision of the leadership who have invested in this sector, as well as a testament of plastics as a viable investment opportunity."

As per statistics from the GCC Plastics Industry Indicators 2015 report, the GCC plastic production capacity has tripled in the last 10 years, reaching 26.2 million tons in 2015, earning US\$32 billion in revenues. During the 2005-2015 period, annual production has risen 11.7%, and clustered around prominent projects in Saudi Arabia.

Like Saudi Arabia, development strategies that benefit plastic production have also been implemented elsewhere in the GCC.

In 2015, expansions in the United Arab Emirates have increased the country's regional market share from 6% to 20%.

Despite the ongoing challenges of oil price volatility, plastics capacity will continue to grow over the

next five years, predicts the GPCA. Growth in Oman is projected to be the strongest in the region, at 17.7% per year. Saudi Arabia, meanwhile, is expected to see a 3.2% rise per year till 2020, a figure that is slightly lower than the 4.9% growth in the last decade.

"With regional producers experiencing diminishing revenues and cheap raw materials available to our competitors, we are certainly in the midst of a challenging business environment. Due to the inherent versatility of plastics, an export oriented commodity, as well as strong demand from developing economies, plastics will continue to see a respectable growth rate in the near future," continued Dr. Al-Sadoun. "Plastics are an inherent component of modern life, existing in diverse products such as cars, food packaging, furniture and even clothing."

The GCC Plastics Industry Indicators 2015 report will be released at the upcoming GPCA Plasticon, a dedicated conference for plastics converters. The report will include insights relevant to the region's plastics industry, including detailed figures on capacity, product growth and employment.

Plasticon 2016 will take place from January 10-12 in Dubai. Speakers include top executives from renowned plastics companies including QAPCO, Sadara, Saudi Aramco, SABIC and Dupont.

[www.gpca.org.ae](http://www.gpca.org.ae)

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**BLEND COLOURS PVT. LTD.**

*Powered by Innovation*

### BLEND COLOURS ACHIEVES 35% GROWTH IN ITS EXPORTS BUSINESS IN 2015; TARGETS FOR 50% GROWTH IN 2016.

Aggressive marketing, robust support systems and adept technical assistance have been instrumental in the company surpassing its exports targets.

Blend Colours Pvt Ltd, a respected company in the business of manufacturing masterbatches in India, commenced exports in 2010. The company, in a very short time span, has expanded its export footprint to over 25 countries with a 35% growth in FY 2015. This growth is testimony to the right blend of product quality, price, delivery and sound business practices that the Group has always been known for.

Recognised by the Government as a 'Export House', Blend Colours Pvt. Ltd. through its export office in Mumbai, exports a wide range of its products globally which are now used for a range of applications across rotomoulding, injection moulding, blow moulding, multilayer and monolayer extrusion, PET fibres and preforms, woven sacks etc.

As product, the colour masterbatches contribute the maximum and as market, the African countries contribute a healthy 40%; Latin America being the latest addition.

With a recently increased production capacity (24,000 MTPA), the company is now looking to appoint distributors and traders to achieve its planned growth of 50% in exports for FY 2016. Aggressive marketing, robust support systems and adept technical assistance have been instrumental in the company surpassing its exports targets. The company now plans to extend its commitment by initiating stock and sale in most promising global markets.

'An elaborate R&D and testing facility allows us the possibility to increase customer comfort by offering a better handholding for their applications. R&D setup has been expanded by incorporating world class equipments such as DSC, TGA. This will further enhance customer delight', explains Shailesh Lahoti, Director, Blend Colours Pvt. Ltd., and responsible for the company's export business. 'In specific, as regards exports, I see vibrant times ahead for us and for other masterbatch manufactures as well', adds Shailesh.

**Blend Colours Pvt. Ltd.**

Email: [info@blendcolours.com](mailto:info@blendcolours.com)

Website: [www.blendcolours.com](http://www.blendcolours.com)

Courtesy

## SURFACE GENERATION BOOSTS SPEED AND EFFICIENCY OF THERMOPLASTIC PRESS-FORMING PROCESSES

Surface Generation announced today that it is working with WMG and AGC AeroComposites (AGC) to develop new composite press-forming processes for automotive and aerospace manufacturers. The company is developing new press-forming mould faces incorporating its patented PtFS technology for the production of high-performance thermoplastic composite components.

By integrating Surface Generation's active thermal management technologies into the mould face itself, WMG and AGC are able to continuously adapt heating and cooling levels for each mould area and process stage in real-time, with the expectation of improving both the quality and throughput of compression moulding applications.

The work is in support of the Composites Innovation Cluster's Thermocomp project, which is seeking to develop short cycle time, high volume manufacturing processes that can be used by automotive and aerospace manufacturers for producing carbon fibre-reinforced thermoplastic components.

Ben Halford, Chief Executive at Surface Generation, comments: "PtFS provides automotive and aerospace manufacturers with a new level of sophistication in compression moulding. The ability to dynamically control the heat applied to each mould area throughout the cure cycle means manufacturers can quickly and cost-effectively

upgrade existing production lines for thermoplastic composites and significantly reduce their cost of production. As part of an integrated production line PtFS makes it possible for manufacturers to achieve one minute Takt times for thermoplastic components."

Geraint Williams, Project Manager at WMG, comments: "A major barrier to mainstream adoption of novel, aligned fibre-reinforced thermoplastics within the automotive sector is the difficulty of economically achieving short cycle times within a high volume production environment. Surface Generation's PtFS technology has the potential to meet this challenge by eliminating process stages and enabling manufacturers to rapidly form composite components using a one-shot stamp-forming process."

Dave Conway, Materials Technology Director at AGC AeroComposites, comments: "Aerospace manufacturers recognise that every gram counts when it comes to building lighter, more fuel-efficient aircraft, but traditional press forming processes are not economically viable for producing even medium volume complex shaped parts. By incorporating its revolutionary PtFS process into conventional press forming processes, Surface Generation has opened the door to a very exciting new era in aerospace manufacturing."

[www.surface-generation.com](http://www.surface-generation.com)

Courtesy

## FAURECIA TO DIVEST ITS AUTOMOTIVE EXTERIORS BUSINESS TO PLASTIC OMNIUM



- Net debt almost eliminated
- Accelerated investment in value-added technologies
- Creation of global industry leader

Faurecia has signed a Memorandum of Understanding for the sale of its Automotive Exteriors business worldwide to Compagnie Plastic Omnium. The business that would be sold, which is comprised of bumpers and front end modules, had sales of €2 billion in 2014 and employs 7,700 people in 22 sites. The composite business, the Faurecia plant for Smart in Hambach (France) and two joint ventures in Brazil and China are not included in the deal. The transaction is based on an Enterprise Value of €665 million.

The finalization of the project, associating the expertise and technology of two strong players, would create a global leader for exterior automotive parts, headquartered in France. Faurecia believes that this project will be beneficial for the development of the business and is in the best interests of its customers and employees.

The divestiture, combined with the early redemption by Faurecia of its convertible bond (announced on December 7, 2015), would almost completely eliminate Faurecia's net debt. The Group will thus be able to accelerate investment in strong value-added technologies for its Emissions Control Technologies, Automotive Seating and Interior Systems businesses.

Prior to the signature of a definitive agreement, this project is subject to information and consultation procedures with the relevant employee representative bodies and filing with the relevant antitrust authorities. The transaction is expected to close during 2016.

A conference call with Michel Favre, Chief Financial Officer, will take place today at 7:00 pm (Paris time). Dial-in numbers: Paris: +33 (0)1 76 77 22 24 – London: +44 (0)20 3427 1903 - New York: +1 646 254 3366

It can also be followed online at: <http://www.faurecia.com/en/finance>. For more details, a financial presentation will be available for download, before the start of the conference call, on Faurecia's website at [www.faurecia.com](http://www.faurecia.com).

Courtesy



Name of The Exhibition	Place	Date of the Exhibition.
Plastware Expo	Mumbai ( Goregaon)	19 to 21 February 2016
Plastivision Arabia 2016	Expo Centre Sharjah U.A.E.	22 TO 25 February 2016
Plast Asia-2016	Pragati Maidan Delhi	4 to 6 <sup>th</sup> March-2016
P 4 EXPO	Nodia,	5 to 8 April 2016
Diemould	Bangalore Exhibition Centre	6 <sup>th</sup> to 9 <sup>th</sup> April-2016
Chinaplas2016	Shanghai,PR China	25 to 28 April-2016
Plastech	Turkey	4 to 7, MAY 2016
Compack Myanmar	Yangon-Myanmar	8 to 10 June-2016
Kenya Plast	KICC-NAIROBI-KENYA	8 TO 10 <sup>TH</sup> JUNE-2016
Plastic Myanmar	Yangon-Myanmar	8 to 10 <sup>th</sup> June-2016
2016 Myanmar International	Myanmar Event Park (MEP)	15 to 18 <sup>th</sup> July-2016
Sri Lanka Plast	BMCHI-Colombo-Sri Lanka	5 to 7 August-2016
Compack Srilanka	Colombo, Srilank	5 to 7 August 2016
10 <sup>th</sup> Plastivision-2017	Exhibition Centre (Mumbai)	19 to 23 <sup>rd</sup> January-2017
Plastic Vietnam-2017	International Plastics Exhibition	22 to 24 February-2017
Compack Vietnam	Ho Chi Minhcity,Vietnam	22 to 24 February 2017

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**JAGMOHAN – First Indian company in its category to Manufacture and export 3000 liter blow moulding Machine for HDPE water Tank!**

Jagmohan - The first Asian company to transform the usual practice for producing Water Tanks from Roto Moulding to Extrusion Blow Moulding!

Jagmohan Replace Roto Moulding Machines for 3000 Liter water tank by Extrusion Blow Moulding

Mumbai / Frankfurt: 7th December 2015

Jagmohan, India's one of the largest blow moulding machines manufacture launched and sold three Thousand (3000) litres machine recently with four layer machine to Nigeria for HDPE Blow Moulded Tanks. Jagmohan is pioneer in blow moulding for last 35 years and creating the brand image with its quality, timely delivery and prompt after sales and service.

Jagmohan supplied its first ever developed 1000 litre Double Layer Machine to Kenya in 2008 since then the concept got hit in the market and slowly and steadily the news was on. Jagmohan contacted Vectus, a brand name in roto moulded tanks those days. They visited the Kenyan customer and while returning back ordered two machines instantly for their Indian plants. The rest is history. Today Vectus gives 20 years Guarantee on their tanks produced from our machines.

Gradually, the path of success followed like this way: 1st Indian to supply 3000 litre Double Layer Machine to Nigeria Developed 4 layer Water Tank Machine for India Vectus also expanded their wings to Kenya by setting up a plant in Kenya for HDPE Blow Moulded Tanks.

Jagmohan exported extrusion blow moulding machine for water tank to Kenya, Nigeria, Nepal, Italy, Sudan, Saudi Arabia and Jordan; where they are running 24 x 7 workhorse. Their machines are robust producing eminent quality Tanks of HM-HDPE material which leads to the stoutness of the Tank even on much lighter in weight. Tanks made of HM-HDPE Material posses much more (~5 times) elongated life in comparison to the LDPE make roto-moulded tanks due to simple basic material properties. All these years, Jagmohan has harnessed all these properties leading to the Break Through...

Since the raw material properties also leads to the stoutness of the tank, you can reduce on the weight of the tanks without compromising the strength by dedicated Multipoint Parison Programs controlling the thickness of the wall of the tanks with more weight in the top and the middle. That's the beauty of Jagmohan Extrusion Blow Moulding.

In comparison with Roto, Jagmohan has always proved a far better in technology eliminating the additional processes like Pulverising and Pelletizing. It's simple and automatic, means less manpower, less breakdown time, less power, less recurring costs and more profit. With Jagmohan

Blow Moulding Machines, you can produce different designs of Tanks and also different capacities from the same machine. There is also an option of interchangeable moulds which means a mould with different capacities into one single which reduces your Mould space in the factory, Isn't it a great idea?

Jagmohan today is known for its indigenous design with even small to small things taken care to control its quality. Starting with Single Layer Machines, Jagmohan has continued its innovation journey creating milestones from single layer to 5 layer water tanks. More layers gives you the option of using regrind materials in inner layers and saving in virgin raw material and also provides you the open window for adding additives, UV Stabilizers to some definite amounts. Only in Jagmohan machine, you will find the option of controlling the thickness of each layer and even switching off any layer if not needed for that particular application. This unique feature is on the basis of their separate hydraulic systems for each layer with each dedicated control.

Along with this, it is just not the stop with Jagmohan Water Tank Machines, you can get the best production rates of around 18-20 pieces of 500 litres and thereof. The production rate decreases with higher capacities and vice versa. Jagmohan offers you a complete range in this regard starting from 500 Litres to 3000 litres the largest of all till date they have exported the largest in its kind of 3000 litres 3 machines to Nigeria. Italy is a country globally acclaimed for its technology and innovations; but Jagmohan from India had broken that jinx 2 years before in 2013, and had exported 2000 litres Water Tank Machine being the first Indian Manufacturer in its category to prove themselves and create history!

#### About Us:

JAGMOHAN, an ISO 9001: 2008 Company emerged with partnership of Mr. Jadish Shah and Mr. Mohan Singh Tetra in Plastic world of Extrusion Blow Moulding Machinery, since then it is incessantly growing with prodigious brand value. Today we stand the only company in India to cover various applications from 200 ml to 5000 litres in terms of repeatability and durability. Since 1980, Jagmohan have been designing and manufacturing Extrusion Blow Moulding Machines for satisfied customers worldwide in our state-of-art set up at Asangaon, Thane, INDIA spread across 1,00,000 Sq. ft (10,000 sq.mt.), the largest in its category with capacity to structure more than 500 machine annually from 200 ml - 5000 litres.

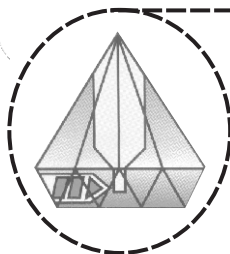
#### Corporate Office

**Phone : +91-22-2595 5678 / 2595 0246**

**<http://www.jagmohan.com>**

**Email: [jagmohanplamec@gmail.com](mailto:jagmohanplamec@gmail.com)**

**Courtesy**



## RUBY PLASTIC MACHINERY

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## COMPACT INJECTION MOULDING MACHINES



**Parag Dave**

Scope for plastics has increased many-fold across industrial sectors. Plastic Industry has come a long way with new ideas and concept being put to work by manufacturers across the globe aiming for better quality and output with minimum resources involved.

With rising demands for small and micro moldings of specific parts developments which require machines being built keeping the application in focus. Conventional machines were a compromise on all fronts. Its then need for compact machines was felt. Effective space utilization is also a cause of concern for most players in the plastics processing industry. This resulted in development in development of compact moulding machines.

Space saving is of course the first visible benefits that anyone can predict but here are many more Advantages and flexibility that the compact machines provides.

### **Efficiency of Compact machines:**

Choosing a Right Injection Moulding machine for the required product is in itself a versatile process.

Injection machines essentially have an Injection unit and Clamping Unit. All the developments takes place with these 2 units being upgraded and built to provide adequate Injection pressure and Clamping tonnage for getting the expected level of product quality and quantity.

Most machines utilize either a Toggle clamping or Hydraulic Direct clamping mechanism. Advanced toggle systems for high tonnage capacity, hybrid and other clamping system used too. Clamping forces normally varies from 15 tons to 80 tons in compact moulding systems. Injection unit are universally screw type with exception of few utilizing RAM (Plunger) for injection. In Injection Moulding process the efficiency and profitability depends on whether the machine chosen for the particular product serves the purpose.

It must be ensured that the machine has enough shot capacity to completely fill all the cavities with adequate pressure while the clamping force is higher than this injection pressure to ensure positive mould clamping avoiding its opening under pressure. Each product is unique with different mould design and requires different force to fill the cavity which varies with material (polymer) used. Hence is very Important that one does initial study of the product mould design with respect to its requirement and then based on the number of cavities of moulds decide on adequate machine for its production. With availability of Compact machine in different shot and clamping options it does provide flexibility for fast production at lower power consumption, lesser rejections and better quality control.

Moulds design becomes flexible with availability of wide range of machine to choose from and helps designer design with shorter runner lengths and faster production cycles. Hot runner system further enhances the productivity and part quality. Micro to small & medium sized products like LEDs, watch parts, miniature molding parts like gears, connectors, electronic parts, appliances and industrial parts, Medical parts, packaging and many other applications are being in use in the current technological innovation age. The option to choose from Electrical Panel, to PLC and Full Microprocessor control system is available.

One can today control and also monitor processing variables like Temperature and pressure at each specific point in the manufacturing process providing complete control over the moulding process, provides for Mould safety and achieve efficient polymer processing. This eliminates costly errors and enhances overall productivity, quality and profitability of the organization.

The ongoing development in all the allied fields related to machine manufacturing providing upgraded sophisticated and more efficient parts and components to the machine manufacturers like pumps, motors, gear box, Servo motors, automation, hydraulics, microprocessor control with computer connectivity and others which has changed the face of Injection moulding machines across the Globe.

For further information contact:

### **DAVE TECHNICAL SERVICES**

[PLASTIC MACHINES & PRODUCT DEVELOPMENT COMPANY]

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Goregaon East, Mumbai 400063. India

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### પી.વી.સી. ફોર્મ બોર્ડ મેકીંગ — પ્લાસ્ટિકનું પ્લાયવુડ

લાકડું પ્રતિદિન ઘટતું જાય છે, પર્યાવરણવિદી ની નજરમાં આવતી વસ્તુઓ ના ધંધા કરવા માટે તકલીફી વધતી જવાની છે. આવી વસ્તુઓ નો પર્યાય શોધવો જરૂરી હોય છે. પ્લાયવુડના વિકલ્પ તરીકે બનતું અને વધારે સારા ગુણધર્મો ધરાવતું પ્લાસ્ટિકનું પ્લાયવુડ એક ઇત્તમ વિકલ્પ છે.

- ઉધઈ ના લાગે.
- પાણીની અસર ના થાય. માઈકા લગાવવાની જરૂર નહિ.
- વળી ના જાય, વાતાવરણની અસર થતાં વર્ષો લાગે.
- રંગરોગાનની જરૂર નહિ, / વાર્નિશ ની જરૂર નહિ ( તે છતાં પણ કરવું હોય તો કરી શકાય )
- સુથારી કામ માં સમય અને પૈસાની મોટી બચત.
- ઇચ્છિત રંગ, સાઈઝ, જાડાઈ, વજન ( ધનતા ) માં બનાવી શકાય, જેથી ખર્ચો બચે.

એકજ મોલ્ડ ( ડાઈ ) માંથી પાંચ થી વીસ એમ. એમ. ની જાડાઈ વાળાં, બોર્ડ નીકળી શકે, પહોળાઈ, ઓન લાઈન કાપી શકાય, બોર્ડ બન્યા પછી પણ જરૂર પ્રમાણે પહોળાઈ લઈ શકાય. બાવીસ થી પાંત્રીસ એમ. એમ. જાડાઈ માટે બીજા મોલ્ડની જરૂર પડે.

ઉપરના ફોટામાં જોઈ શકાતું ટેબલ, કબાટ વગેરે પ્લાસ્ટિક પ્લાયવુડ માંથી બનાવેલ છે.

**મહત્વની વાત:** આવું મટીરીયલ બનાવવા માટે જરૂર પડશે:

મૂડી રોકાણ: રુપિયા ત્રણ કરોડ નેવું લાખ. [ જમીન, બિલ્ડીંગ, મશીનરી, પાવર, કેબલ, પેનલ, ઇન્સ્ટોલેશન વગેરે તમામ ખર્ચ. એક ડોલર ના રુપિયા સાઈઠ ધારવા પ્રમાણે. સારી ક્વોલિટી ના પ્રોજેક્ટ માટે. ]

અતિ મહત્વની વાતો ફલે શરુ થાય છે.

આવું મટીરીયલ બનાવવા માટે: કાર્યો માલ અને લાગતની કુલ કિંમત વહેંચતા પ્રતિ કિલોગ્રામ કિંમત બેસે લગભગ રુપિયા સો { પ્રતિ કિલોગ્રામ } [ લગભગ ચાર કરોડ રુપિયાના ઇનવેસ્ટમેન્ટ પર ].. ..

બજારભાવ રુપિયા એકસો છપ્પન પ્રતિ કિલોગ્રામ. . . . . ગણતરી માટે ધારવામાં આવ્યું પંદર એમ. એમ. નું 0.55 ધનતા વાળું બોર્ડ. આ પ્રમાણે બજારભાવ બેસે: રુપિયા એકસો વીસ પ્રતિ સ્કેવર ફૂટ.. ..

આ હિસાબે ઉપરોક્ત રોકાણથી કરવામાં આવેલ પ્રોજેક્ટનું વળતર લગભગ રુપિયા સુધી થવા જાય છે. .. ..

**ઉપરોક્ત સેટ અપ ( જો ઉત્તમ ક્વોલિટી ની મશીનરી હોય ) માંથી જ બનાવી શકાય:** લાકડું અને પ્લાસ્ટિક ભેગાં કરીને ( વુડ + પ્લાસ્ટિક ) બોર્ડ.

આપણે ત્યાં અત્યારે મરીન પ્લાયવુડ વપરાશમાં છે. ઉપરોક્ત ચિત્રો માં વુડ પ્લાસ્ટિક બોર્ડ છે.

#### સુચનાઓ :

- વજનમાં ફલકું જેથી હેરફેર માટે ઓછી કિંમત લાગે,
- પાણીની અસર ના થાય. ઉધઈ ના લાગે.
- લાંબી આવરદા
- ધાબું ભરી ત્યારે સરકેસ ઉત્તમ બને.
- સમયની બચત થાય.

The Author, based at Ahmedabad, is a Professional consultant assisting to set up Lucrative / new projects.

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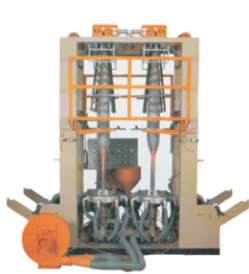
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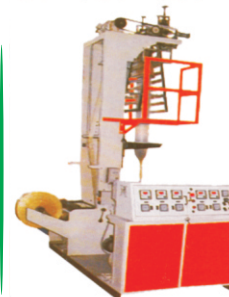
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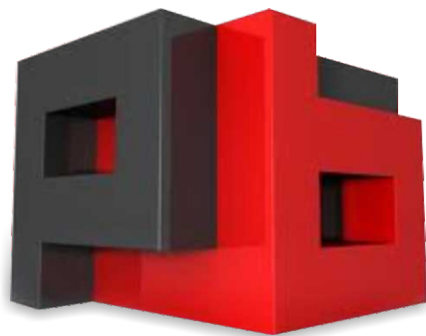
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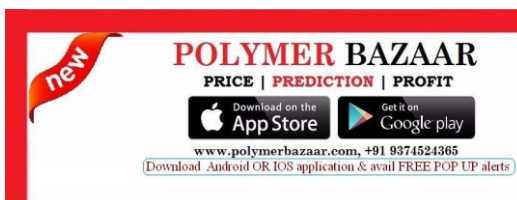
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