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MESSAGE FROM MANAGING DIRECTOR



Shirish V. Divgi

Dear Readers,

The world of Plastics Processing Machinery is constantly growing.

The increasing opportunities for processing plastics for entire gamut of plastics applications would be the major nourishing factor of plastics fraternity. We, Ferromatik Milacron India, will continue focusing on bringing out blend of processing technologies incorporated in our machinery offerings for the processing sector.

Through this Milacron News, I am delighted to present before you couple of events happened with your association and patronage.

Our Technology Partners (Strategic Partners) play a vital role in our business focuses - quality consistency, product reliability, delivery and price etc. Annual Strategic Partners Meet is a yearly event at Ferromatik Milacron India to express our gratitude for their support and cooperation as well as to share with them upcoming business challenges for the year ahead. The event was held on 13th December, 2012. Our sincere thanks to our Strategic Partners for their good association and support.

ARABPLAST 2013 and PLEXPO INDIA 2013 Exhibitions were the 'welcome events' of 2013 for us where we participated successfully. Hearty applause to all Customers, Processors, Strategic Partners and Associates for their support and response.

Adaptation of newer technologies, customer feedback and market demand are the major contributors to Milestone Events and Product Developments at Ferromatik Milacron India. I am glad to share that one of the model of our

new technology machine happened to be the 7001st Milestone Machine which was ordered on us by Shri Sandeep Engineer, Managing Director, Astral Poly Technik Limited. Shri Sandeepbhai took the delivery of this auspicious machine during the celebrations thereof held on 28th January, 2013 at our Manufacturing Plant. Our sincere appreciation and congratulations to Astral Team !

We are committed to 'find a better way' to provide you reliable, energy efficient and innovative solutions for your processing needs.

We thank you for using Milacron Technologies for moulding this fascinating material to stay ahead in this competitive arena !

With best wishes and warmest regards.



MILESTONE

FMI's New Milestone - Dispatch of 7001st Injection Moulding Machine



Shri Sandeep Engineer & Team of Astral Poly Technik Limited, Ahmedabad with FMIPL Team

Astral Poly Technik Limited was established in 1999 with a single minded purpose to manufacture absolutely the best Plumbing System in India. Astral today manufactures CPVC Plumbing Systems for both Residential & Industrial Applications and also ASTM Solvent weld lead free PVC Plumbing System.

Under the able Leadership of Shri Sandeep Engineer - Managing Director, Astral Poly Technik Limited made a modest beginning in January 2001 by installing Ferromatik Milacron India's Sigma 275 T Injection Moulding Machine. Since then Astral Poly Technik Limited has grown progressively by adding new machines every year from us. Today they have total 91 nos. of Injection Moulding Machines of Ferromatik Milacron India in their group at different locations including this machine.

FMI family with great pride handed over its 7001st Injection Moulding Machine - CPVC Line Servo 275 T, to Shri Sandeep Engineer - Managing Director, Astral Poly Technik Limited on 28th January 2013 at Ahmedabad.

Ferromatik Milacron India (FMI) is proud to be associated with Astral Poly Technik Limited since its inception & respects them as a partner in success. FMI value their patronage & pray for mutual association to continue for ever.



Shri Mahendra N. Patel handing over Memento to Shri Sandeep Engineer

FMI Family thank wholeheartedly to the team of Astral Poly Technik Limited for participating in the celebrations of its New Milestone event.



TIPS

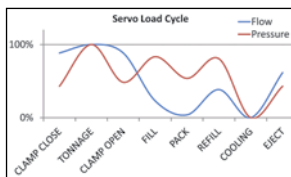
The Plastic Processing Industry is facing intense competition from alarming rise in Energy Prices. To remain competitive, a business must have an Effective Energy Management because Energy costs money and it gets reflected at bottom line. The need to monitor and reduce Energy Consumption is more important than ever before.

From Injection Moulding Machinery point of view, Servo Driven Hydraulic Machines & All Electric Machines are the best in terms of Less Energy Consumption from many aspects like reduction in Electrical Energy, Oil & Water Consumption, which in turn reduces the energy consumed by cooling towers. Elimination of oil preheating in All Electric Machines further reduces Energy Demand of a Machine.

Moulding Machines are the biggest energy

consumers among all other factors in a moulding shop, providing largest scope for reducing Energy Consumption. Servo and All Electric Machines can reduce the energy consumption of the machines up to 65% depending on the application. The other lower case options are Electric Direct Drives with Hydraulic Machines, Variable Frequency Drives, Electronic Variable Pumps etc.

Servo Motor



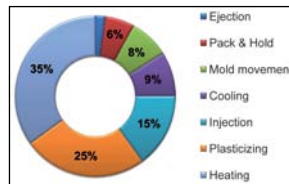
To reduce the energy consumption in a machine, it is also important to look at where energy is being used. Heating & Plasticizing offers the biggest opportunity to reduce the energy consumption in a machine. For heaters, there are options

Make Your Moulding Shop Energy Efficient

available like insulated Heaters, Jackets, Radiant Heating Technology, Natural Gas Heating etc.

In order to reduce energy consumed during Plasticizing in Hydraulic Machines, Electric Direct Drives are primly used which reduces the cycle time & increases the production rate with parallel operation.

A part from the moulding machines, the other prime energy consumers are Lights, A.C., Chillers, Cooling Towers, Compressors etc.



The Fluorescent lights used in the factories can be with HF-coils which can provide the energy savings up to 25% in lighting, improves the lifetime up to 50% and avoids the flickering, flashing of lights. Daylight penetration must be considered when designing an administration or factory. Regulating artificial light according to variation in daylight can provide substantial energy saving. Motion sensors can be used, which switch off the lights automatically when there is no activity in the room. Using the higher energy efficient rated air conditioners can further reduce the substantial energy.

Cooling Towers also consume more energy due to their continuous operation. Aluminum made fans can reduce the loading on motors. Using Servo system for operating Cooling Tower can save huge energy similar to Injection Moulding Machines. As pressure & flow of hydraulic oil is used as feedback in moulding machines, for cooling towers the temperature & flow sensors installed in inlet & outlet water lines provide the

feedback of water temperature & flow to servo drive which regulate the motor loading according to requirement.

The energy demand of the compressor can be reduced by reviewing compressed air lines, monitoring their use and removing those where compressed air is not required. To improve efficiency, check pressure levels, air intake conditions and control of the compressor. Assess the pressure requirement and reduce the working pressure as much as possible. Always site the compressor close to where the air is needed. Using several small compressors with intelligent control, sited near to the demand could be more efficient than a single large compressor. Monitoring air leakages would reduce the loading of the compressors. Use of direct electric drive for the compressors is also a good alternative.

The individual capacitor banks installed on the Hydraulic Machines running on induction motors without any drives can save a significant amount of apparent energy (VAh) and MD charges (VA). It would also reduce the size of main capacitor banks and electrical supply cables due to reduced current demand.

Above all, an Effective Energy Management & Monitoring Practices can do a lot for saving the energy in an Injection Moulding Shop which is a necessity now not only for saving the money but to protect the environment by reducing Carbon footprint. At Ferromatik Milacron India, we offer our valued customers an optimized Servo System which benefits them in reducing the energy consumption in a better way.

Hardik Patel
Design Department

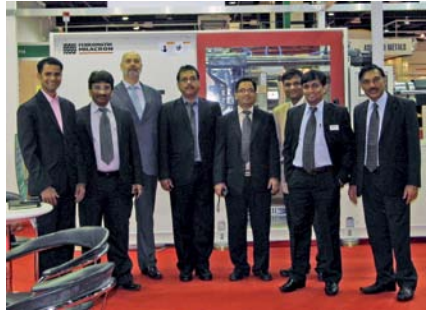


EXHIBITION

FMI at PLEXPO INDIA 2013, Gandhinagar & ARABPLAST 2013, Dubai



FMI at PLEXPO INDIA 2013



FMI at ARABPLAST 2013

FMI successfully participated in PLEXPO INDIA 2013 - 6th International Plastic & Packaging Exhibition at Gandhinagar, India during 8 - 13th January 2013.

FMI also participated in ARABPLAST 2013 - 11th Arab International Plastics & Rubber Industry Trade Show Conference at Dubai, UAE during 7 - 10th January 2013 with Live Demonstration of its Magna T Accupack 200 T Injection Moulding Machine to showcase its Packaging Power.

EVENT

Strategic Partners Meet 2012



Mr. Jayesh Rambhia, Past President of AIPMA addressing Strategic Partners

On 13th December 2012, Ferromatik Milacron India hosted its 12th Annual Strategic Partners Meet. With the aim of making such events meaningful and of more relevance to the current circumstances, the theme selected for deliberations was "Changing the Mindset".

the keynote speaker. FMI's Director Shri Mahendra N. Patel shared his valuable views on the subject.

Attended by over 200 Nos. of Strategic Partners including those from Germany, China and USA, the function served as a forum for sharing thoughts and expectations amongst participated Strategic Partners and invited dignitaries.

Shirish V. Divgi addressing Strategic Partners



Mr. Jayesh Rambhia, Past President of AIPMA graced this occasion as



Arunkumar Chari addressing Strategic Partners



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Edited and published by Sales & Marketing team on behalf of Ferromatik Milacron India Pvt. Ltd.