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MESSAGE FROM MANAGING DIRECTOR



Shirish V. Divgi

Dear Patrons,

Ferromatik Milacron India is a known and preferred machinery manufacturer for plastic industry through its Injection Moulding Machines and Blow Moulding Machines. Cutting-edge technology and after sales support to all its customers are the key strengths of the company. An empathetic approach to understand the issues faced by customers and providing timely services has helped us to develop a dependable and comfortable relationship with the customers and provide wide variety of products developed on a continuous basis with latest innovations.

Ferromatik Milacron India is part of **Milacron LLC, USA**, a Global Leader in business areas of Plastics Processing Technologies, Metal Working Fluids and

Precision Machining. A rapidly growing company with world-class capabilities across 5 businesses -

- Milacron Plastics Machinery
- Mold-Masters Hot Runner and Process Control Systems
- DME Mold Technologies
- Milacron Aftermarket
- CIMCOOL® Fluid Technology

We have the scale, technological leadership, international presence and competitive positioning to deliver value-added solutions to more customers in the markets around the world with the help of our competent teams.

Contribution through development of services by these individual businesses in their respective areas of expertise provides the opportunity to bring the best to the world of plastics - be it for producers or users of plastics products.

With the spectrum of services, products and capabilities, we strive to become your complete partner in plastics. Our philosophy of business encourages us to understand every customer's unique needs and to provide a customized and flexible solution with optimum resource

utilization. We get an edge due to the engineering innovative solutions which are developed worldwide keeping in mind the local needs. Among the series of products, the latest addition to the portfolio is "Nova Servo" and "Hydron Servo" which are developed with features like higher energy efficiency and precision with servo mechanism. We also provide high performance solutions through our "All Electric" range which is now available up to 500 tonnages and "two platen technologies" up to 3200 tonnage.

Way forward, we are committed to provide better and high-precision products, integrated turnkey solutions and unparalleled aftermarket services and support by highly trained experts to help our customer succeed.

Performance Delivered...

Every Step of the Way.



MILESTONE

For Accepting the Delivery of Ferromatik Milacron India's 8001st Injection Moulding Machine



Addressing FMI family on the occasion of 8001st machine delivery - Shri Ashok Vir (Chairman) Kaalmanns Group

*M*ilacron as a family is proud to be associated with Kaalmanns Group since 2000 and respect them as a partner of our success. Kallmanns Group now have 38 Milacron make machines. We value their patronage and wish to continue mutual association forever.

We, Ferromatik Milacron India family, with great pride, handed over our 8001st machine - Nova Servo 150 T to Shri Ashok Vir (Chairman) & Shri Gautam Vir (CEO) Kaalmanns Group on 18th January, 2014, at Ahmedabad.



Ceremonious handing over of 8001st machine - Shri Ashok Vir (Chairman) Kaalmanns Group



OPEN HOUSE 2013

**New Solutions, New Benchmarks,
New Success**



Visitors at Open House 2013 - 2nd to 4th September 2013

At the *Open House 2013*, High Performance Leading Technological Solutions were presented. Machines demonstrated during *Open House 2013* have following highlights.

- Two Components Injection Moulding Machine - 1st Time ever built in India
- High Performance PET Production System - 32 Cavity System with Complete Auxiliary & Conveying System
- In-Mould Labeling System for Thin Wall Container - Thin Wall Moulding with Robotics & Free Fall at record breaking Lowest Cycle Time
- Largest India Built All Electric Injection Moulding Machine - 550 Ton

During *Open House 2013*, FMI unveiled its Hydraulic Injection Moulding Machines - energy efficient new generation Hydron Servo Machines from 100 ton to 450 tons.

Key Attractions :

- High Performance Hydraulic Machines
- Thin walled packaging solutions (in-mould labeling)
- Ultimate packaging solution with high speed machine
- Two components machine with horizontal injection unit
- PET Preform production system with parallel refilling through electric system
- Largest "All Electric" energy efficient machines with parallel movements for shorter cycle time



MD, Shirish Divgi addressing the visitors



Inauguration Ceremony of the "Open House 2013"



EXHIBITION

Saudi Plastics & Petrochem 2014

Ferromatik Milacron India participated in the 11th International Plastics & Petrochemicals Trade Fair organized in Riyadh International Convention and Exhibition Centre (RICEC) between 17 and 20th February 2014.

It has received a good response in terms of visits as well as enquires for green field projects and existing ones. The brand is well known among the visitors and shows good business opportunities in coming years.

The products and services were not



Glimpse of FMI Booth

only well accepted but also appreciated for quality, performance and reliability. Leaders of plastics industry from Kingdom of Saudi Arabia and other GCC



Interaction with visitors

nations visited the booth and admired the products and capability to serve the entire gamut of plastic application.

MACHINE CARE & MAINTENANCE

Part 1

Machine Care involves following major activities :

Care of Utilities

- Power Supply
- Water Supply
- Air Supply

Power Supply :

- Power supply management devices to be maintained in proper working condition. Any of small fault must not be ignored.
- Delay switching whenever there is a power failure or Switching from Electricity board supply to D. G. and vice versa.
- Ensure proper working of APFC (Automatic Power Factor Correction) Panel or if using Separate Capacitor bank for individual machine.
- Power Stabilizing instruments Line

Choke / Line filters, Power Stabilizer, Servo Stabilizer, Isolation transformers to be installed to get Power Surges/Peaks observed and minimum possibilities of any electrical or electronic part failure.

Water Supply :

- Monitor water quality on daily basis.
- pH level of water should be maintain between 7 - 7.5 pH.
- Lower pH value will corrode the Metallic parts of water cooler.
- Also mould cooling will be affected by Corrosion in channel.
- Higher pH level will Degrade the Metallic parts of water cooler and mould cooling lines. It will Erode material and that contamination will affect the efficiency of cooling.
- Water flow and pressure need to be monitored as per machine

requirements. Flow varies as per machine & mould. Pressure for machine cooling to be maintained 3 - 4 bars.

Air Supply :

- Air supply to machine need to be 100% moisture free. This will help to have good working & longer life of Pneumatic actuators and valves.
- As per general practice air is also used to Blow out dust and other particles from machine as well as mould. So, moisture / mist free air will also prevent metallic parts from corrosion.
- Air supply equipments (Compressor) needs special care and regular preventive maintenance. Gear box oil replacement, Belts tensioning.
- Air leakages are major role player for increasing power consumption. Need to attend each leakage from initial stage.



FERROMATIK MILACRON INDIA PVT. LTD.

(Formerly known as Cincinnati Milacron Ltd.)

93/2 & 94/1, Phase-I, G.I.D.C. Vatva, Ahmedabad - 382 445, India.

Tel.: +91-79-2589 0081, 2589 0133, 2583 0063

Fax : +91-79-2583 0125 • E-mail : salesfmi@milacron.com



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