

IMPREGSEAL

The Impregnation Company

For Private Circulation Only

The Newsletter from Metal Impregnations (India) Pvt Ltd

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Embarking Upon The Journey to “PROUDLY INDIAN”

Metal Impregnations India Pvt. Ltd. is proud of its origin, has the confidence and belief in the capability and knowledge of their team members and is taking every step to contribute to Indian Automotive manufacturing Industry and the foundry segment.



Automatic Installation at Suzuki Powertrain

Nearly three decades ago, the Sen Brothers took the challenge by storm and became the Proudly Indian Technocrats in the field of Impregnation Technology. The two Indian brothers, Saibal Sen & Probal Sen, who in their early 20's, had various career paths ahead of them, full of good prospects that young engineers in the 1980's would dream of, decided

to take the rough path to achieve their goals of making a difference, by being Indian technocrats in India.

In the mid 1980's, the two technocrat brothers decided to take the plunge towards their dream. The Sen Brothers graduated from one of India's oldest and premier engineering institutions, College of Engineering, Pune. Saibal Sen was the pioneer

LIBERTY BELL

An iconic symbol of American Independence



GLOBE AROUND US

Liberty Bell is located at the Liberty Bell Centre in Independence National Historical Park in Philadelphia, Pennsylvania.

Originally commissioned in 1752 at Pennsylvania State House by Pennsylvania Provincial Assembly to commemorate 50-year anniversary of Charter of Privileges, Pennsylvania's original Constitution, 'Liberty Bell' is an iconic symbol of American Independence as it was rung on 8th July 1776 to mark the reading of the Declaration of Independence.

The Liberty Bell bears a timeless message:

***“Proclaim Liberty
Throughout All the
Land Unto All the
Inhabitants thereof”***

For more info check out our website www.impregseal.com

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“ Our campaign **PROUDLY INDIAN** is to highlight that we are self reliant and that our products are at par with other International brands. This is important keeping in mind that buyers in India would always prefer Indian products over imported products on account of equivalent quality at a more affordable price. ”

to introduce the concept of Vacuum Impregnation Technology using Heat Cure Methacrylate Sealants in India in 1985. Earlier he worked with business houses like Morris Electronics (Presently Mahindra Hinoday), Mukund Iron & Steel, Ruston and Hornsby and subsequently a few years in vacuum impregnation technology.

Probal Sen, a mechanical Engineering graduate, worked with project engineering companies like Alfa Laval India and Thermax Ltd. established in 1989, Metal Impregnation India Pvt. Ltd. is an organisation of international repute in the design and manufacturing of special purpose in-line vacuum impregnation installations.

It was established with the aim to Research, Develop & Manufacture high-tech impregnation machines for advanced applications like those as per Defence Standards, Aerospace, Communication Systems & Electronics & Automobiles.

The honourable, Prime Minister, Shri Narendra Modi announced the much acclaimed “Make in India” initiative in 2014 which encouraged Indian Manufacturers with policies & incentives to boost the production & manufacturing sectors in India. With the aid of “Make in India” campaign, Imregseal gained vital importance for manufacturing products fully made in India.

Recently Impregseal kicked off 2017 with the “PROUDLY INDIAN” campaign which is marked boldly on all products manufactured and supplied by them. They are running the campaign for PROUDLY INDIAN to highlight and instill confidence in every buyer whether Indian or overseas, that the products manufactured by the group are world class.

Metal Impregnations India Pvt. Ltd. is proud of its origin, has the confidence & belief in the capability and knowledge

of their team members and is taking every step to contribute to the Indian Automotive manufacturing Industry and the foundry segment. Their vision is to be a company that shines around the world in Vacuum Impregnation Technology.

With Proudly Indian Campaign, the company had already made a mark and received orders from Blue chip companies like Maruti Suzuki, Indian Defence, Mitsubishi proton, Toyota Motor Corporation, Honeywell, Honda, Tata Motors, Mahindra group, Fiat India and many more wherein metal Impregnations was preferred over European and American companies and for the first time, the company supplied a fully automatic robotic operator less system which was fully made in India.

The Sen Brothers broke the prolonged stereotype that an Indian Product cannot surpass the quality of foreign product by placing themselves as one of the leaders in the global impregnation industry. They take great pride in manufacturing in India while maintaining the quality of the products.

For more details visit www.impregseal.com

GET YOUR
PLASTIC
IMPREGSEALED

TSP99
World Approved!

IMPREGSEAL Supplies Fully Automatic Installation for Impregnation of Engine Blocks



Fully Automatic Installation supplied to a Global Japanese Auto Major



From conceiving the project to monitoring the solution, Impregseal is present at every stage to deliver the solution to the client. It has flexibility in offering standard design semi automatic and fully automatic metal impregnation units as well as specially customized units as per customer's requirements.

Automobile manufacturing is one area where impregnation in the entire manufacturing chain adds value. Impregseal executed a major project for a global Japanese automobile manufacturer. Impregseal supplied an automatic installation which was PLC based system

with material handling facilities with safety standards incorporated. The installation of this fully automatic PLC based system was for the use of engine blocks. The process involved vacuum plus pressure cycle for the sealing of very fine porosity of aluminium ADC 12 alloy castings for engine blocks.

IMPREGSEAL Supplies to Honda Indonesia

Installs State of The Art Fully Automated Robotic Vacuum Impregnation plant from India

Pune based Impregseal of India recently supplied a fully automatic robotic machine for impregnation of Cylinder blocks, Crank cases and Cylinder heads for Honda Indonesia's new AHM plant in Karawang. The machine was commissioned by IMPREGSEAL using Teknoseal TSP 99 Impregnation sealant. The fully automatic installation produces 800 sets per day of castings which are finish machined and ready for assembly.

The order was secured by Impregseal against stiff competition, from Japanese competitors who had previously supplied installations at Astra Honda Motors. However Impregseal secured this order on the basis of their state of art, superior technology incorporating fully automatic process cycles to ensure the complete elimination of residual resin in fully finished components, a very common problem in most impregnation lines. This machine has ensured that Astra Honda Motors has complete control on



Impregseal recently crossed another milestone by becoming the first ever Indian company to be chosen over Japanese competitors by Astra Honda Motors, Indonesia.

process and quality.

The complete process is automatic with a very short cycle time and has a completely flexible and programmable process cycle, which impregnates fully machined components with zero rework. This has helped the

company to resolve the long standing problem of resin residue in machined castings.

With this supply Impregseal of India, has once again established itself as the fore runner in impregnation technology. Guided by

visionary technocrats and impregnation specialist, Mr. Saibal Sen and Mr. Probal Sen, this state of art impregnation line is the first fully automatic operator less robotic impregnation line being used in Indonesia.