

Innovation meets quality

Shamvik Glasstech Pvt Ltd was quick to embrace Industry 4.0 for its IS machines. As reported in *Glass Worldwide* (preferred international AIGMF journal), the pioneering company has partnered with Russian tech firm Sibir Telematics to provide advanced turnkey solutions for glass factories.

Shamvik Glasstech Pvt Ltd (SGPL) was founded in 1973 as Maul Eastern Limited, a JV with Maul Brothers USA with the goal of providing the most innovative IS machines built at world-class standards with an affordable price for its customers. Over the years the company has been involved in various technical partnerships with the top European IS machine manufacturers that reflect the latest technology contemporarily available.

Industry 4.0

While the early 2000s and 10s called for a gradual shift towards servo machines for less human interference and error, the last few years have ushered in Industry 4.0 to create an environment of inter-operability and connectivity between machines, which SGPL was quick to incorporate into its manufacturing abilities.

As a result, not only has SGPL integrated Industry 4.0 into its premises to ensure quicker delivery times but the company has also increased its serviceable range for more varied centre distance machines. This has enabled SGPL to offer brand-new IS

machines at a price comparable to that of reconditioned machines.

A new era of efficiency

At the same time, SGPL has revived its reconditioned machinery vertical to ensure it is able to match not only the customer's machine configuration requirements but also offer a plethora of machinery that is suitable to customer budget/capital requirements. The company's relations with manufacturers around the world combined with its engineering prowess ensures that customers receive a reconditioned machine that rivals brand-new configurations.

The creation of a separate unit geared towards delivery equipment ensures that customers are able to receive complete sets promptly.

This decade will be characterised by the efficiency glass factories can achieve not only through their IS machine lines but from melt-to-pack as a whole, as the focus shifts to a forgotten aspect of lost revenue that has been further highlighted by the adverse effects of the Covid-19 pandemic.

Partnership with Sibir Telematics

Shamvik Glasstech Pvt Ltd has partnered with Sibir Telematics, an innovative company from the scientific and research-oriented region of Novosibirsk, Russia – to provide the most advanced turnkey efficiency solution to glass factories and overcome the challenges of integrating IS machines and the efficiency in achieving glass production in real-time.

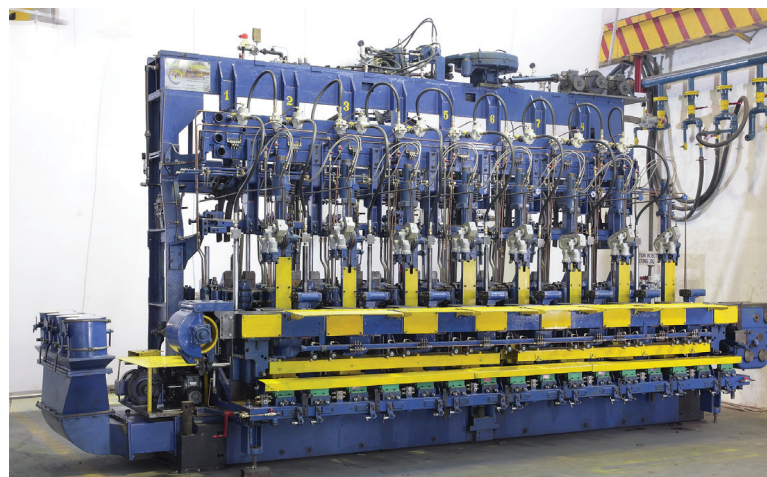
This is one of many partnerships yet to be announced by SGPL with the aim of pairing industry-leading technology with cost-efficiency.

The 'Conveyer' solution is a tool, for shareholders and top management, that forms an objective picture of the current efficiency of production processes at the enterprise. Objective data is the basis for staging and monitoring the implementation of key performance indicators (KPIs) aimed at increasing production efficiency. For production workers, it is a tool that will help them achieve new KPIs through the use of the following functions:

- Analytics of downtime (type/reason) that provide module data in real time.
- A system of online notification for target events geared towards improving melt:pack ratio.
- For the management of the plant, the functions in demand are:
 - Formation of the balance of raw materials of the enterprise in real time, in a closed cycle format throughout the entire plant cycle.
 - Calculation of the percentage of waste from a clean charge.
 - Control of losses in all areas.

The solution has already proven its cost-effectiveness at the LLC Siberian Glass and Interglass factory, which is reflected in company's official press release for 2020.

The amount of additional profit generated at pilot plants has ensured an astounding payback period of only six months to one year, given that the plant is able to generate economic benefits immediately after the start of operation of the system. ●



SGPL has completed over 180 installations and turnkey projects worldwide over almost five decades.

Further information:

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