The Phillips Machinist

Volume 01 | Issue 01 | December 2017

"The HAAS VF-I series delivers Performance, Precision, Reliability, and Affordability and more for

SAHNEY KIRKWOOD!!!

An electrical insulator manufacturer, located in Nasik, is the proud owner of Haas VF-2-I and VF-4-I Vertical Machining Centers with advanced features and a special 43% discount."

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Amit Patil
General Manager
Sahney Kirkwood Pvt. Ltd.

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06 Visit Engimach 2017

Hall 10 Booth P-1A

Alan Phillips
President
Phillips Corporation

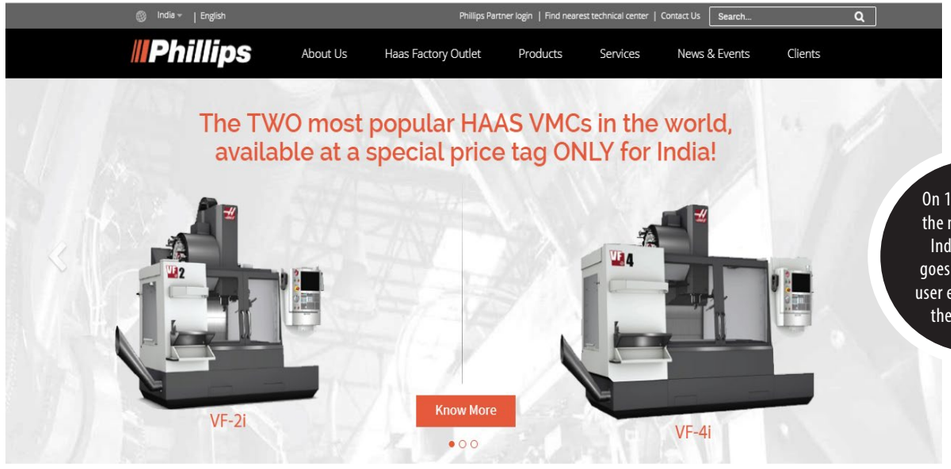
"I was in Mumbai during the first week of December and it was exciting. I feel that the best business opportunity in the world, now, is manufacturing in India.

The focus of Mr. Modi's government to make business easier, improve infrastructure, and to support manufacturing highly has contributed to such scenario. Added to the benefit is the highly educated workforce, low cost of production, currency advantage. These reasons add up to a great future for manufacturing in India.

Our Phillips Team is very happy to be able to provide productive machines and service support to our valuable customers throughout India."

Engaging & Easy to Navigate

Phillips India launches www.phillipscorp.com



On 1st Dec 2017 the new Phillips India website goes Live, taking user experience to the new level

The change is the only constant thing. The new website of Phillips India is the result of the same belief. With the new website, Phillips India has shifted to the new modes of interactions, giving up on the old traditional ways of interactions, operations, and management; adopted the modern technology-based operation to pace up with the customer demands and requirements.

The main aim of the website is to provide an easier way to learn about Phillips Machine Tools India's services and solutions and allow the visitor to browse as per the convenience of the desired information.
It promotes transparency with the customers. The new website features an engaging look, coupled with an easy-to-navigate access to the WebPages - About Us, Haas Factory Outlet, Products, Services, News & Events, Clients, Partner Login, Technical Centre and Global web pages for Phillips Corporation.

The visitors can now browse entire collection of reports and case studies, stay up-to-date with the new blog and engage with a new interactive system.

Phillips Machine Tools India has been providing reliable products and services to leading world businesses for several years. The launch of the new website is another step in the Phillips's pursuit of excellence in providing the best to its clients worldwide.

Matthew Nardangeli
Director Marketing
Phillips Corporation

" This is an effort to continuously meet the demands of globally diverse, sector-leading clients. The visitors can now browse our entire collection of reports and case studies, stay up-to-date with our new blog and engage with a new interactive system."

Did You *Know?*

In Year 1988, Mr. Gene F. Haas, the founder of Haas Automation, completed the first prototype of Haas CNC machine and named it Haas VF – 1, which abbreviates to 'Haas Very First 1'. Since then, the Haas VF series has been one of the most popular VMCs.

Performance, Precision, Reliability, and Affordability:

The HAAS VF-I series delivers it all and more for Sahney Kirkwood!!!

Sahney Kirkwood, an electrical insulator manufacturer, located in Nasik, is the proud owners of Haas VF-2-I and VF-4-I vertical machining centers with India Value Package. Many optional advanced features available in VF-2 and VF-4 come standard with VF-2-I and VF-4-I at special 43% discount. It was a natural choice.

Initiating the Journey with Haas

Mr. Amit Patil, G.M. Operations, Sahney Kirkwood Pvt.Ltd., said "Several years ago, we were in the market to buy a CNC machine and did a comparative analysis of Indian, Taiwanese, Chinese, American, and European machines. When buying a CNC machine, our only constraint was size, as the raw material we use is in the shape of flat boards, which is loaded on to the machine. It was essential for us to have bigger table sizes. The ease of operating the machine was the next crucial factor for us while buying a CNC machine as we did not have expertise in CNC Machining technology".

They received very good feedback from their vendors about the quality of Haas machinery and their after-sales service. Also with Haas, they find it easy, as Haas has its own control & they have to coordinate with the same team for any queries. In 2012, they bought a Haas VF-3 Vertical Machining Center machine for manufacturing bigger parts & a Haas VF-2

> ***In 2012, Sahney Kirkwood bought a Haas VF-3 Vertical Machining Center machine for manufacturing bigger parts bigger parts & a Haas VF-2 to manufacture smaller components. The company now has 7 CNC machines, all from HAAS, which includes models like VF-2, VF-3, VF-4, and VF-5.***

About Sahney Kirkwood

Sahney Kirkwood Pvt. Ltd.
Isovolta (India) Pvt. Ltd.
www.sahney.com

Sahney Kirkwood an export oriented unit was started in Nasik, in 1984.
They manufacture mica-based Electrical insulators, for the traction industry. Their main customers are locomotive manufacturers and repair shops, spread across the US and Europe. Sahney Kirkwood started as a Mica electrical insulation producer. Later, they ventured into pre-packing and started manufacturing industrial laminates for electrical Insulation. They machine composite materials and have a full-fledged CNC machine shop, along with some conventional machines. Sahney Kirkwood, Sahney Commutators, and Isovolta (India) are part of the Sahney group's engineering business. Headquartered in Bangalore, India, the company's customers are spread in over 5 continents and 25 countries.

to manufacture smaller components.

The company now has 7 CNC machines and 1 CNC Router. All their CNC machines are from HAAS, which includes models like VF-2, VF-3, VF-4, and VF-5.

Selecting VF-2-I and VF-4-I

In 2017, Sahney was in the market for 2 new Vertical Machining Centers. Before buying any machine, the company always compares machines from different manufacturers. After thorough analysis, they narrowed down on the newly introduced Haas VF-2-I and VF-4-I models, as they were already familiar with the machine and the company.

The VF-2-I and VF-4-I are essentially the standard VF-2 and VF-4 configured with an India Value Option Package: an inline high torque 10,000 rpm 30 HP spindle, 24+1 Side mount tool changer, High-Speed Machining Package and Ethernet option. The powerful HAAS spindle and high-speed machining options helped Sahney reduce the existing cycle times and improve accuracies.

Mr. Patil further informed, "I have visited many manufacturing facilities in India and found that the 1.5 million sq. feet manufacturing facility of Haas Automation, USA, is a class apart. I spoke with the technical experts at HAAS and also walked through the VF-2 and VF-4 production line (on which all models VF-2, VF-4, VF-2-I, VF-4-I are manufactured and assembled). Since the production line at Haas is automated and adopts Flexible Manufacturing Systems (FMS), the stringent quality standards for every machine is maintained throughout the manufacturing process,".

> ***Haas has also trained maintenance engineers at Sahney Kirkwood for troubleshooting, and they are able to rectify the errors at the initial stage, without any assistance. The support backup and service from Phillips Machine Tools India who have a local office in Nasik, was found to be excellent.***

The purchase of VF-2-I and VF-4-I as with their earlier CNC machines were informed selections with the focus on quality, reliability, and performance.

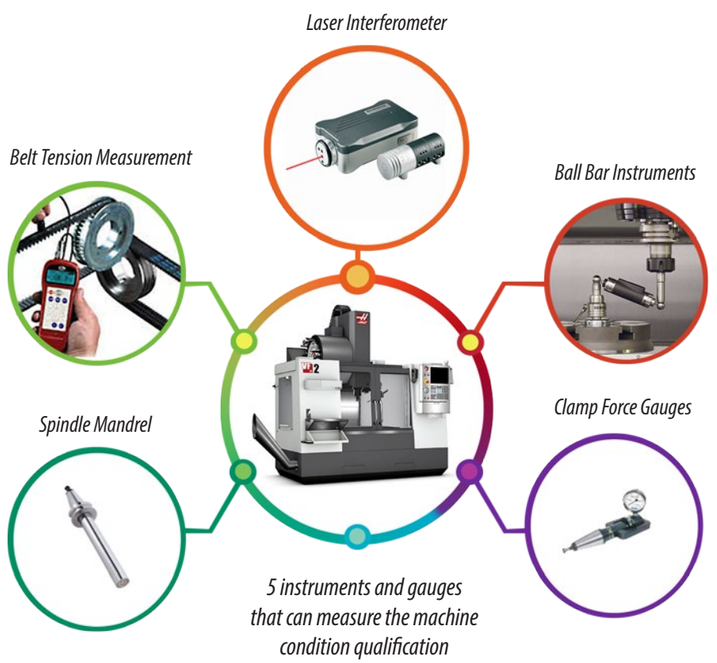
After-Sales Service by Haas

The company found the hands-on training provided by Haas to be excellent and the employees of Sahney Kirkwood were able to operate the machines with ease. "Not only were the machines delivered on time, as promised by Haas, but they also provided comprehensive training to our staff, at our factory, and at their training center. This helped to make the machines operational the very next day after they were purchased", said, Mr. Patil.

The support backup and service from Phillips Machine Tools India who have a local office in Nasik, was found to be excellent. The service team was cooperative and reliable. Haas has also trained maintenance engineers at Sahney Kirkwood for troubleshooting, and they are able to rectify the errors at the initial stage, without any assistance.

Maintaining Right for Machining Right!

The accuracy of metal cutting machines in a machining shop ensures improved productivity and performance. Regular or time-to-time quality tests are inevitable in turn to ensure such accuracy and trouble free assured performance of the machining shop.



5 instruments and gauges that can measure the machine condition qualification

Belt Tension Measurement

Tension measurements made on belts at very low tensions may yield greater variability and a greater probability of avoiding errors. If a tension reading cannot be obtained, the belt may be too loose to generate a clear harmonic frequency signal. If this is the case, the belt may need to be tightened in order to obtain a tension reading. Proper belt installation tension is essential in V-belt and synchronous drives for optimum performance and reliability. Belt Tension Meter is capable of measuring belt tension with greater accuracy and consistency than traditional methods.

Laser Interferometer

Laser Interferometer is a measure of relative movement rather than an absolute measurement. Different selections of optics pass the laser beam through different paths, allowing a variety of measurement modes (e.g. linear, angular, straightness) to be taken from a single laser unit. The most common use of the laser interferometer system is for motion verification systems. Measuring machine performance helps to identify the issues in manufactured parts.

Clamp Force Gauges

New CNC Machines using pull-studs for tool retention gradually lose tool holding force with time. This deterioration affects surface finishes, cutting tool life, and eventually productivity. Testing a drawbar requires a force gauge which simulates a tool being held in the spindle. Low drawbar pressure will create some very elusive and challenging machining problems.

Spindle Mandrel

The biggest cause of excessive tool wear and tool breakage are directly caused by machine tool spindle run-out as well as excessive axial play. The spindle run out test bar can be used to test the CNC machine tools for accuracy and alignments, and also to ensure a stable production environment as well as consistent motion operations from one machine to another.

Ball Bar Instruments

QC 20 Ballbar is the quickest, easiest and has high accuracy, a telescoping linear sensor with precision balls at each end. In use, the balls are kinematically located between precision magnetic cups, one attached to the machine table and the other to the spindle. This arrangement enables the ballbar to measure minute variations in radius as the machine follows a programmed circular path.

The sets of machine qualification instruments are available at various locations in India to support the customers. The qualification of machine condition can be assured by a specific protocol and quantification of parameters for machine condition analysis during a preventive check. It is always advisable to qualify the machines from the certified agency/ engineer. A record file of periodic check results should be maintained for every machine. The analysis of these records will provide wear patternof the components and helps in predictive spare parts planning. The unpredictable machine breakdowns can be reduced considerably with this check as well as it helps to control the spare parts inventory cost.

*The author **Shardul Itkalkar** heads the Engineered Products Division of Phillips Machine Tools India Private Limited. With more than two decades of industry experience he advocates right maintanence for your machines. He can be reached at sitkalkar@phillipscorp.com*

Phillips India goes aggressive at ENGIMACH 2017

Exclusive Discounts & Extended Warranty of 3 Years. The booth will have live demo on Haas ST-10Y & Haas VF-4-I. Visit Phillips Machine Tools India to avail their exclusive offering at Hall-10, Booth No: P-1A

13th ENGIMACH 2017

6th to 10th December 2017
The Exhibition Center, Helipad Ground
Gandhinagar, Gujarat

Increasing their Indian market share with huge sales of HAAS VF-I for the last eight months of this year, Phillips Machine Tools India is offering its customers an exclusive discount of 43% and extended warranty of 1 plus 3 years. Both the machines will be exhibited at Engimach and this is for the first time these offers on HAAS products are made available.

The booth will have live demo on Haas ST-10Y & Haas VF-4-I. It also accommodates Surface Grinders from Kent Industrial co., Smart Lathe from Pinacho, Drill Tap center from L K Machine at the exhibition.

Phillips Machine Tools India has been an exhibitor for twelve successive years at ENGIMACH and announces their presence at 13th ENGIMACH 2017, going to be held from 6th to 10th December 2017 at The Exhibition Center, Gandhinagar, Gujarat, India. ENGIMACH 2017, a five-day international trade show, emphasizes on the innovation and technology aligned with the advancement in the manufacturing industries.

'The HAAS has been an aspirational product since long. We, at Phillips, have provided our customer with HAAS CNC products at such affordable price, which will empower the manufacturing industry in India, from the SMALL section manufacturer to the MNCs.' shared Nikhil Modi, Asst. Manager, Marketing, Phillips India.

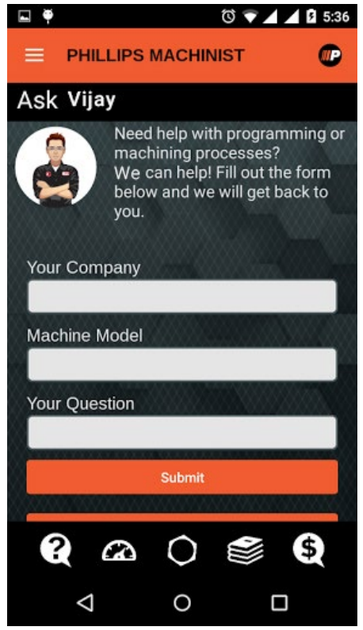
Phillips has been able to deliver more than promised and has achieved more than expected. Being the big name in the automation industry, Phillips is ready to set a new benchmark for the event and continue the legacy of success with incorporating more and more international participation.

Terrence Miranda
Managing Director
Phillips Machine Tools India

" We have been an exhibitor at the ENGIMACH show from the 1st year and enjoy participating in this event which brings our customers in Gujarat closer to us and provides an excellent platform to our engineering community to share best practices and demonstrate path breaking technology. Kudos to the organizers of ENGIMACH for putting up a great show that has consistently delivered for us at PHILLIPS Machine Tools India."

'Ask Vijay' & 'Ask Preeti'

The Phillips Machinist marks brilliance in Machine Tools Industry



Phillips Machine Tools India makes a revolution in the Manufacturing arena with their latest innovation for their customers with "The Phillips Machinist" mobile app which is available for Android and iOS platform.

The app is the latest in Phillips's efforts to transform the learning process for the CNC machines. The app empowers engineers and manufacturers with the necessary information and resources to create experiences that are engaging and interactive. The Phillips customers can now access the required technical information in the app.

It is preloaded with various G-codes and M-codes on mills and lathes, which are a part of the application, contain multimedia lessons on how to run codes on their CNC machines. The instructions provide detailed support to implement the codes for specific requirements. This includes suggestions on how to conduct every part of the process.

It also educates the user on the best of practices for handling their product for a longer life and additional information that can enhance their knowledge of CNC machines. The application also provides CNC-based calculations, tricks, and tips that enable an easy access to the engineers working with CNC products.

The special feature of the application is 'Ask Vijay'. They provide the app user with expert applications advice as well as the help the user get the best offer on loan for buying the Phillips products via 'Ask Preeti'.

Speaking about the App, Shubhra Miranda, Business Manager, Phillips Machine Tools India, said, "At Phillips, we believe that technological innovations can really bring about a positive change in the manufacturing industry. With The Phillips Machinist, we are trying to create a platform integrated with innovative solutions that would address the problem of manufacturer's enablement. We hope that the app with its highly elaborate content will provide manufacturers with world-class solutions."

The user can directly go to the app and ask a query and can expect to get a reply within two hours from the expert team on CNC machines.

It also provides a service to lodge a complaint regarding any problem at hand regarding the functionality of the Phillips products. The users do not have to call or email. They can now lodge it on the app right away. The automated lodging process helps a quick action from the company – an expert pay a visit to the site within 48 working hours, if required. Not only that, the process can be tracked with the specific complaint id & the user gets real-time notification.

The app was launched in May 2017. Since then, the app has received a great response from the Phillips customers with over 20000 downloads. The highly accessible and educational application has put the engineers and manufactures at ease, provides them with best of tips and solution for smooth run of the machines at work.

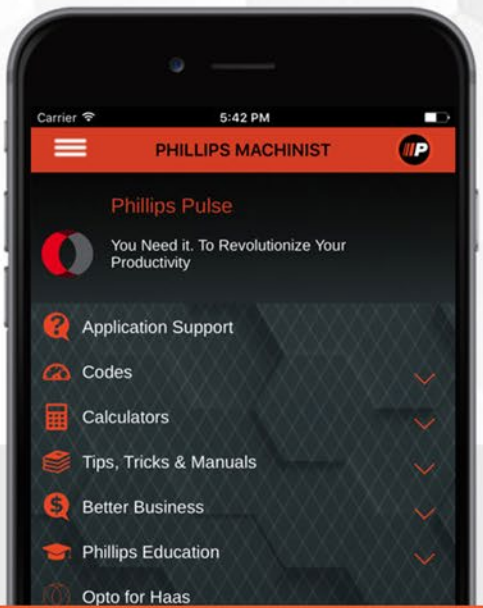
Shubhra Miranda
Business Manager
Phillips Machine Tools India

"With The Phillips Machinist, we are trying to create a platform integrated with innovative solutions that would address the problem of manufacturer's enablement."

THE PHILLIPS MACHINIST

"AN EXPERT APP, IT HELPS TRAIN EMPLOYEES AS WELL AS TROUBLESHOOT.
THE **'ASK VIJAY'** IS ONE OUT OF **MANY FANTASTIC FEATURES I LIKE** IN THE APP PERSONALLY."

Mr. Nishikant Ahire
Chairman & Managing Director
Ahire Machine Tools (AMT Group)



DOWNLOAD TODAY

Available on the App Store

GET IT ON Google play

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