Forms & Gears bags new orders

The fixture manufacturer has received a slew of new business orders from the automotive industry and has tied up with Vektek of the US, says CShyam Sundar.







w order book for Chennai-based mn & Gears, Asla's leading focure manufactorer which supplies muchining centur fixtures worldwide to the world's leading accomobile and machine tool manufacturers, is looking good. Recently, the company bugged a repeat order from Mahindra & Mahindra for designing and manufacturing bydraulic fixtures for the newgeneration Scorpio SUV. And recently the company has partnered with the US-based Vektek, to bring high pressure by draulic focures to India. Vektek is a power clamping specialist whose rug ged bydraulic and pneumatic owing, link and

In Autocar Professional In March 2008

In association with Vektek, Forms & Gears is bringing high pressure hydraulic fixtures to India.

edge clamps, work supports, cylinders and palle fixture accessories have earned an industry-leading reputation in medium and high-production inchestries #

Prior to this, Forms & Gears added Cummins India to its long list of major clients. 'It is an indication of our abilities," says Reli Verghese, managing director, and adds that 'our hydraulic fixtures go to some of the biggest names in the automobile industry too."

Forms & Gears has joined hands with Vektek, the market leader for hydraulics in the US, to introduce high pressure hydraulic fixtures in India. "We are probably the only company in:

Astroith expertise in high pressure hydraulies." Verghese points out that Farms & Gears monerted the use of high pressure hydraulic fixtures. with the Tata Indica cylinder block features for Heller machines supplied to Tata Morors in 1997 which was a landmark project.

High pressure hydraulic fixtures

Our the past decade, Forms & Genes has shouldly been introducing the Indian automobile industry. to high pressure hydraulic focures. Among Forms & Gesus' high profile clients are Ford, Maruti Staroki, Mahindra & Mahindra, Ashok Leyland, Tata Motors, Eicher, Caterpillar, to name a few.

"Vie have three units in the Goindy Industrial Estate to manufacture the fixtures, which are high precision by draulic ones," Vendune

Torms & Gears, which exports fedures to the US, Japan and Singapore, has a full-fledged design centre to complement in manufacturing facility. Exports constituted around 15 percent of Forms & Geors' business last year, Recently, the company executed a big project for Toyota, which involved manufacture of state-of-the-art. flatures including internal piping and air sensing. "This was a nest of our consubilities, and we are happy to do have done that," Verghese says.

In his opinion, making high pressure tradeaulic flymers needs a high level of precision and the company has the lasest equipment including livejig boring machines and a whole range of surface and cylindrical granding and milling machines to do the job. On the possible turnaround time required for a product, he says it is beneern 12 and 16 weeks with design

High pressure hydraulies, widely used in the US and Europe, has several benefits, the most important of these being the high clamping forces and excellent vibration dampening during machining which enables high coming parameters to be used resulting in higher productivity. Forms & Gears high pressure hydraulic fixanes. frow run at most automobile plants in India expecially for the precision engine and transmission components, says Verghese,

Companies like Mahindra Auto, John Deens, Tima Motors, Cummins and Eicher have seen Improved productivity and reduced cycle times. by using Forms & Gears' high pressure hydraulic listings, he says.

FACTFILE FORMS & GEARS

Set up 30 years ago by R T Varghese, a mechanical engineer from 81 Kheragour, Forms & Gears is senceromous with quality precision factures used by the world's leading machine tool and automorate manufacturers. The company offers a complete solution from design and manufacture to cutting trials and run-offs on its in-house machining





Reji Verghese: We are thinking of acquiring toolrooms abroad "

Operators at work: some of the fixtures made at the unit.

Forms & Gears has recently added Committee India to its effent base. Commiss India, as part of its origing technology upgradation and capacity expression plan, fus awarded a largecontract to the company to design and manufacture precision by draufically clamped test cells. andrest carrs.

These are high precision devices on which the Cummins 16 and 12 cylinder V-type enginesare mounted and sessed for performance. This is also the first time that the US-based company is investing in state of the art sex cells with hydraulic clamping for their plant

By going in for bodraulic clamping and march plate quick compling sechnology, Commins will benefit by way of quick setup times, less operator dependence and less operator fatigue resulting in higher productivity, says Verghose. "It is a significant order from Commiss; and adds to our profile, with an impressive list of automobile manufacturers and OEMs already included."

Forms & Gears precision engine components customers include Toyota, Hyandai. Ford, Cummins, John Deere, Maruti Suzuki and Mahindra & Mahindra, its machine tool clients include Magak India and Japan, Making Asia. Toyoda, NTC -lapan, LMW and BPW.

Among the products made by Forms & Goars. is the 12-station hydraulic tombatone fixture supplied to Muslushi Auto to muchine stultiple models of Honda controls, Incurred clamplog speed is one of the advantages of hydraulic fixtures, explained Verghese. Also, nather than taking several minutes to manually righten and loosest the clamps on a component, a machine openion can activate the complete clamping. system in a low seconds.

"We are among the best to fitture manufacture in Asia," says Verghese and adds that occordcompanies from the View are conducting discussions on future business which Forms & Graps is keen to tap. The company is also holding at tyring up with fazure manufacturing companies in the USA and Europe in a hid to cut costs. "We are alsothinking of acquiring tools communisted India in this regard," som Verghese.

The company expects to close this fiscal. with a turnover of around Rs 25 cross but clearly the stage is set for higger business to come: .









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Forms & Gears, Asia's loading fixture manufacturer which supplies machining centre fixtures worldwide to the world's. leading automobile and machine tool manufacturers.