

To always be close to every customer, Muratec has established firm relationship with our partners in India who provide timely and local services to customers for us. In this issue, we are pleased to send you the comments from Mr. S. Sinha, COO of Murata Machinery India, and Mr. A. V. Srinivasan, CEO of Meiban Engineering Technologies Pvt. Ltd.



MEIBAN ENGINEERING TECHNOLOGY PVT. LTD.
CNC Turning Machines & Sheet Metal Machines



MURATA MACHINERY INDIA PRIVATE LTD. (MIP)
Textile Machinery . Logistics Systems
& FA Systems . Communication Equipment

What is the background of your company?



Mr. Sinha
COO of MIP
Following the liberalisation of trade in India in 1991, Murata Machinery has had a strong presence in India through the supply of its machinery and technology. With the remarkable growth of the Indian economy, Murata Machinery expects that together with its textile machinery market, its markets for machine tools, logistics systems, automation equipment and communication equipments will also grow significantly in the future. Hence the formation of MIP in 2007 as a new umbrella company in India was a natural first step forward for the other divisions, following Meiban. MIP has its presence in New Delhi, Mumbai and Coimbatore, enabling it to cater to the industry's requirements across the country.



Mr. Srinivasan
CEO of Meiban
Meiban was established in 2005 in India as a joint venture partnership with Muratec. Until then Muratec had a fair market share in India for Sheet Metal Machines and Turning Machines as Murata Warner Swasey since late 70's, operating through a sales and service agent only.

What are your objectives?

Mr. Srinivasan
I started managing Meiban as CEO, with main objective of providing a strong local engineering support which is much more than just after-sales service. Muratec line-up is technology-intensive equipment which need high level of application engineering support. Meiban has grown to a 20-plus strong company encompassing all functions from marketing, sales, application engineering, installation and finally of course after-sales service support with certain level of spare parts back-up as well.

Mr. Sinha
With the growth of Muratec's business in India, MIP has a very large responsibility towards its customers. To discharge this responsibility, MIP is working to re-define its long standing relationship with its customers with innovative and high quality services. MIP has 24 engineers, backed by a team of support staff at each office to ensure that the customers' requirements are met efficiently and effectively. Working to this end, MIP's Coimbatore office houses a Training and

Research Center, which has sophisticated testing equipment to conduct research and trials for yarn properties, and to deliver quick local solutions to customers.

Which are the main markets in India for CNC Turning machines?

Mr. Srinivasan
Muratec is not just a CNC Turning Machines builder but complete automation solution provider. Every machine is turn-keyed to specific application of the customer to meet their requirements. In India, we have achieved great success in industries of automotive parts, Pipe Flanges and Bearings where there is a medium to large volume lot production.

And what about Sheet Metal Machines market?

Mr. Srinivasan
As everyone knows, sheet metal industry is closely linked with our daily life requirements in both social and commercial world. Muratec CNC Turret Punch Presses and Press Brakes (Benders) are widely in use for various sectors of applications including Telecommunications, Switchgears, electronic parts, elevators, etc.

What is Muratec future plans for India?

Mr. Sinha
Muratec plans to continue to partner its customers in India by providing ever-improving technology. Muratec is focused on introducing new automation in winding - like Link Coners, and also getting its proprietary technology "VORTEX" to the Indian textile industry. Muratec also has plans to use information technology to access its customer's machines on a real time basis, and to provide online solutions. MIP being the service arm of Muratec Japan, uses its bases of operation to continue providing high quality customer satisfaction, and to deliver products and services matching the needs of its customers. MIP is focused on cultivating the "Murata Machinery" brand within the Indian textile machinery market to reach new heights in customer satisfaction.

Mr. Srinivasan
Indian economy is slated to grow at a constant high rate ahead of many of the advanced countries. Surely, we will come up with new concepts in technology to suit Indian market environment. Meiban will also keep pace with sufficient application back-up, training, show room facility to ensure Total Customer Satisfaction.

For Inquiries

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Partner for your Business Success

Muratec's Multi-Functional Peripheral (MFP - Facsimile, Scanner, Printer & Copier)



Muratec now releases the MFX-2010 with assured high Quality and Durability. MFX-2010 will be a partner for your Business Success in India.

- Simple** No complicated functions. Easy to set and operate in any environment.
- Smart** Operational features that are highly productive day-in and day-out providing user-friendly solutions.
- Compact** Creates additional space that creates additional business opportunities. (World's smallest in this class*) *In the A3 B/W MFP category

Muratec LED Technology

The Future is in LED Technology. Muratec is already there. Why LED?

LED vs Laser as printer engine

	LED	Laser
Quality	Improving dramatically Cannot distinguish with Laser	Excellent
Size	Easy to minimize!!	Very difficult to minimize
Sound Noise	Very quiet!! (No motor)	Noisy (because of motor)
Reliability	Reliable! (Simple structure)	Easy to fail. (Mechanical drive arrangement)
Large-sized print	Easy to enlarge (By Adding more LED's)	Have limitations
Cost	Have possibilities to reduce cost! (Becoming widely used)	Very difficult to reduce cost (oversaturated market)

Engineer's Voice

Compact size by LED engine

Muratec has been adopting LED engine for many years. Though it is pointed out that there is irregularity in the amount of luminescence from LED compared with the laser, the image quality is highly improved now. As LED does not require motor, it is very quiet. Also it is highly reliable due to its simple structure. LED is here to stay in the main stream of technology.



Mr. Katsunori Okabe

White LED for Scanner

MFX2010 adopts white LED for scanner. Its life is 20,000 hours which is 20 times longer than xenon tube and moreover enables high image quality and low power consumption. It can be mentioned that MFX2010 is an environment friendly machine.



Mr. Masashi Kuge

CNC Turning Machine



Muratec moves your car

ML400 series CNC Turning Machines processes shaft parts used in automobiles. Two types of machines are introduced in response to specific customer needs.

1-Turret type: Servo-driven roller support for long shafts is available as option. With this option, both OD turning and ID drilling and boring can be done in one set-up, which otherwise would require multiple set-ups.

2-Turret type: Idle time can be drastically reduced by simultaneous turning, using both the high-rigidity turrets resulting in high efficiency of shaft turning operations.

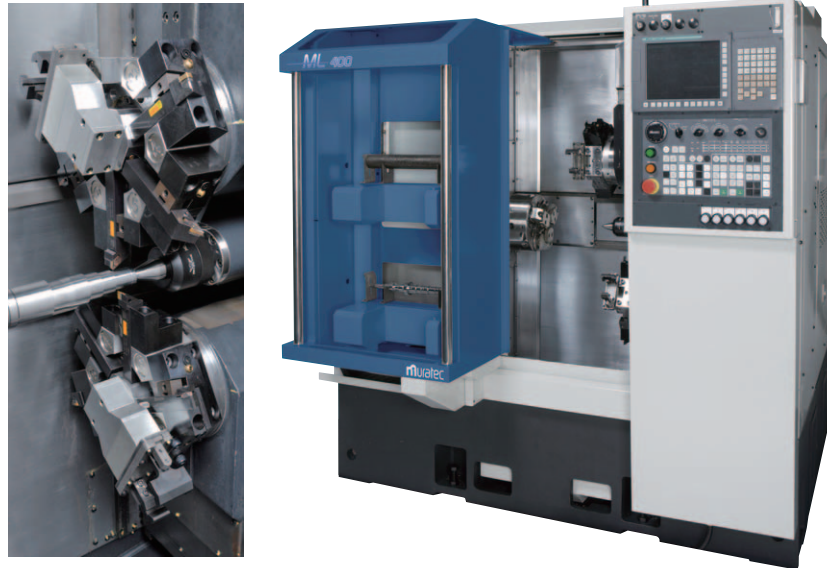
Introducing a Totally New Concept Shaft Turning Machine with Automation

Muratec has delivered record number of Turning Machines to the automotive parts manufacturing industry worldwide. With this accumulated know-how, we offer high-precision and efficient machines to the fast growing Indian Automobile industry.

Shaft Turning Machine

ML400 series for 400 mm long shafts

2 Turret type



VORTEX spreading worldwide!

VORTEX is a new type of yarn.

It's quality yarn with high function and fashion applicability, created by Muratec VORTEX spinning technology. The unique yarn formation using vortex air gives VORTEX yarn various features.

- Less hairiness
- Excellent pilling resistance & color retention
- Superb moisture absorption
- Washes resistance.

Today, many apparel brand producers in the front line of global markets are creating new value added products by VORTEX.

Our VORTEX Partners, spinning companies worldwide using VORTEX spinning machines, have already succeeded in developing their own VORTEX products as a special yarn. Its network extends to 67 spinning companies in 20 countries.

In India, we've ever delivered 99 VORTEX spinning machines in 20 companies.



Textile Machinery



Definitely for survivor of the Textile Market!



MURATEC NEW SOLUTIONS FOR INDIAN MARKET



UT Series have been certified MF Eco machine admitted by Japan Forming Machinery Association, appreciating our contribution to protect environment by eco-friendly products.

To support infrastructure industry...



Sheet Metal Machinery

Pioneer is here



Sheet metal products are necessary for infrastructure of transportation and construction.

To support their industries, Muratec provide cost-effective Sheet Metal machine.

CNC Servo Motor Driven Ram Turret Punch Press

MOTORUM 2048UT

Muratec introduced the world to the first electric AC servo ram drive punch press in 1994.

This technology has resulted in achieving higher productivity and an eco-friendly working environment with minimum noise and hydraulic oil-less machine operation. The ram drive of motorum-2048UT has incorporated CFRP in the part of toggle

mechanism connected directly to the servomotor making it lighter in weight and more rigid. The new drive mechanism and the replacement of alternating movement decreases vibration by 65%. In addition, a reduction of motor heat saves energy in cooling and the restoration of electric energy when braking.

	MOTORUM-2048UT
Punching capacity	20 ton
Maximum sheet thickness	6.35 mm
Maximum sheet size (Y x X)	Without repositioning 1250 mm x 2500 mm

Automated storage & Retrieval system

Storage requirements such as storage of various kinds of products in small lots and establishment of traceability for safety and security have

been sophisticated more and more. Picking systems which use AS/RS have been provided to ensure speedy processes from warehousing to storage and sorting retrieval, and expectations for timely supply have been accelerated.

Muratec provides the AS/RS system as a tool not only to achieve the most suitable inventory management and goods receipt / shipping measures for industry types, scales and goods characteristics but also to take an important role in SCM (supply chain management) and support business strategy.

The most suitable AS/RS system for customer's needs is provided by the total engineering such as material handling equipment, information system and architectural structure.



Deliver your goods faster.

**Logistics Systems
FA systems**