

Exhibition for Sheet Metal Working

14 – 17 April 2011 • Mumbai, Bombay Exhibition Centre



BLECH India 2011 is India's central market place for everyone involved in sheet metal working. The exhibition is the first choice when it comes to sourcing the right machinery, tools and materials. More than 100 exhibitors from all over the world will present their latest technology to the industry's key decision makers.

In this newsletter, some of the exhibiting companies provide information about their machines and systems on display at the Bombay Exhibition Centre in April this year.



Exhibitor Profile

- Sheet metal, tube, sections (ferrous and non-ferrous)
- Finished products, components, assemblies
- Handling
- Separation / Cutting
- Forming
- Flexible sheet metal working
- Tube / Section processing
- Machine elements
- Joining / Welding / Fastening
- Surface treatment of sheet metal
- Automation and Robotics
- Tools / Dies
- Controlling / Regulating / Measuring / Testing
- Quality assurance
- CAD/CAM systems / Data processing
- Factory and warehouse equipment
- Environment protection / Recycling
- Safety at work
- Research and development



Visitor Profile

The trade show is designed for sheet metal working specialists in industry sectors such as

- Mechanical engineering
- Sheet metal products
- Steel and aluminium construction
- The automotive industry and its suppliers
- Heating / Ventilation / Air conditioning
- Electrical engineering
- The electronics industry
- Rolling mills
- Iron and steel production
- Precision engineering
- Aerospace
- Shipbuilding

India – Land of Opportunities

India has now become a major driving force in the development of robust, low-cost yet comfortable small cars. The country's own most recent development, the NANO, has triggered a global wave of interest in the sub-mini market, and it would seem that other manufacturers are cashing in on the trend. And whilst the NANO had a somewhat bumpy start and appears to be struggling to reach sustainable sales figures, competitors like Ford, Honda, Suzuki, VW and others are all announcing new small cars. These latest models are said to be just as affordable as the NANO, but more comfortable and powerful than the home-designed budget model. Even Piaggio, the Italian manufacturer of scooters, motorcycles and light three- and four-wheelers, is planning special vehicles for India, as is the French PSA group.

All this is good news for the sheet metal working industry and promises positive growth prospects for machine tool and equipment suppliers. Domestic production of metal forming

machines still lags well behind consumption and the country will remain a major importer of these technologies for the foreseeable future. Imports of forming machines in particular have good long-term prospects, because India's production focuses to approximately 80% on metal cutting machines. Main customer groups are international OEMs and automotive suppliers with local production plants, because most of these new little cars are to have a high 'local content'. What is more, new models will be built using the latest technologies and materials to ensure they are reliable, safe and efficient, with environment-friendly steel being the material of choice.

If all these plans come to fruition, India is well placed to become the leading small car supplier not only to the sub-continent but also to South-East Asia, Africa and even Europe. And as new car plants come on-stream, so will new ports and national transport links, going by current government plans.



GENERAL INFORMATION

Venue

Bombay Exhibition Centre
Western Express Highway
Goregaon (East)
Mumbai 400 063
Maharashtra
India

Opening Hours

| | |
|---------------|------------|
| 14 April 2011 | 10am - 5pm |
| 15 April 2011 | 10am - 5pm |
| 16 April 2011 | 10am - 5pm |
| 17 April 2011 | 10am - 5pm |

Tickets

| | |
|-------------------------|------|
| Pre-registered visitors | FREE |
| Onsite registrations | FREE |

Organisers

For enquiries from within India please contact:

Inter Ads - Brooks Exhibitions (India) Pvt. Ltd

Plot No 859, Phase-V, Udyog Vihar,
Gurgaon-122 016

Haryana
India

Tel: +91 (0) 124 452 4200

Fax: +91 (0) 124 452 4234

Email: blech.india@interads.in

For enquiries from outside India please contact:

Mack Brooks Exhibitions

BLECH India 2011

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Romeland Hill

St Albans, Herts

AL3 4ET

United Kingdom

Tel: +44 (0)1727 814 400

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Email: info@blechindia.com

Exhibitor List Status 24.01.2011

II-VI Infrared, USA
A Innovative International Ltd., India
Accurpress International, Canada
Ajan Elektronik Servis San. Ve Tic. Ltd. Sti, Turkey
AMF Andreas Maier GmbH & Co KG, Germany
APM Technologies, India
AutoForm Engineering India Pvt. Ltd., India
Boschert GmbH + Co. KG, Germany
Bruderer Presses India Pvt. Ltd., India
Burghardt + Schmidt GmbH, Germany
Bystronic Laser India Pvt. Ltd., India
Chin Minn Industries Co. Ltd., Taiwan
Coatec India, India
D.B. Engineering Pvt. Ltd., India
Data M Software India Pvt. Ltd., India
EHRT Maschinenbau GmbH, Germany
Electronica HiTech Engineering Pvt. Ltd., India
EMKA Beschlagteile GmbH & Co. KG, Germany
Energy Mission Engineers, India
Ermaksan Makine Sanayi Ve Ticaret A.S, Turkey
ESI Group, India
Faro Business Technologies India Pvt. Ltd., India
Fein Power Tools India Pvt. Ltd., India
FICEP S.p.A., Italy
Finn-Power OY, Finland
Flow Asia Corporation, Taiwan
Formdrill, Belgium
Forstner Maschinenbau GmbH, Austria
Gasparini S.p.A., Italy
Gerb Vibration Control Systems Pvt. Ltd., India
Gietart Middle East FZCO, United Arab Emirates
Gizelis S.A., Greece
Grind Tools, India
Grindmaster Machines Pvt. Ltd., India
Güthle Pressenspannen GmbH, Germany
Hangzhou Zhongcheng Machine Co, Ltd., China
Heatly & Gresham India Pvt. Ltd., India
Hensel India Pvt. Ltd., India
Heta Services, India
IEPL, India
IMEAS SpA, Italy
Infomedia 18 Ltd, India
International Sheet Metal Review (ISMR) (TRMG), Great Britain
Karolin Machine Tool Pvt. Ltd. (KMT Waterjet), India
Kartik CAD CAM Consultants, India
KETEC Precision Tooling, China
L.L.Equipment & Machines Pvt. Ltd., India
Lankhorst Mouldings by, Netherlands
Lantek Automation Pvt. Ltd., India
Laser Science Services (I) Pvt. Ltd., India

MC Craftsman Machinery, India
M.D. Corporation, India
mtm Machine Tool Market (D.F. Edizioni srl), Italy
Meiban Engineering Technologies Pvt. Ltd, India
Millutensil SRL, Italy
Nargesa, India
Nextgen CNC Hytec Pvt. Ltd, India
Novastilmecc SpA, Italy
Oerlikon Balzers Coating India Ltd., India
Omera Srl, Italy
Otto Bihler Maschinenfabrik GmbH & Co.KG, Germany
PCI Ltd, India
Petig AG, Germany
Pioneer Intertrade, India
Pradman Engineering, India
Pragya Equipment Pvt. Ltd., India
PRECITEC KG, Germany
Prima Industrie S.p.A., Italy
Pro-Arc Welding & Cutting Systems Pvt. Ltd., India
Produtech Srl, Italy
Rofin-Sinar Laser GmbH, Germany
Roland Electronic GmbH, Germany
Rolleri Tools India Pvt. Ltd., India
Sanmac Machines, India
SDV Santoli AG / DEMIS, Switzerland
Shanghai ACL CNC Machine Tool Co. Ltd., China
Square Engineering Works, India
STAM S.P.A., Italy
Tailift Co., Ltd, Taiwan
Thalman Maschinenbau AG, Switzerland
The Sirdar Carbonic Gas Co. Ltd.
(Unit: ECK Haubold & Laxmi), India
Total Tools & Equipment (P) Ltd, India
Trimos Metrology (I) Pvt. Ltd., India
Unique Laser Engravers, India
V.V. Mineral, India
Valson Fabricators, India
Voith Turbo H + L Hydraulic GmbH & Co. KG, Germany
Waterjet Germany Pvt. Ltd., India
Wuxi Bono, China
Wuxi Huake Special Steel Co., Ltd, China
Wuxi Jinhe, China
Wuxi Weihna Machinery, China
Yamada Dobby Pte Ltd., Singapore

For an up-to-date
exhibitor list visit

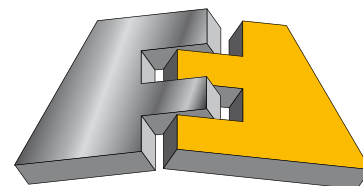
www.blechindia.com

CO-LOCATED EVENT

Exhibition for Fastener and Fixing Technology

16 - 17 April 2011

www.fastenerfair.com



FASTENER FAIR
INDIA • MUMBAI

www.blechindia.com

IMTMA PUBLISHES ANNUAL REPORT

The Indian Machine Tool Manufacturers' Association (IMTMA) recently published its 22-page Annual Report for the business year 2009/2010, giving details of the association's activities, statistics and new technical developments. The report is available as a PDF file from the IMTMA's website. According to media reports, Indian machine tool manufacturers expect a plus of 35 to 40% for the 2010/2011 business year compared with the previous year, and the IMTMA anticipates that some of its members might soon be reaching the limits of their production capacity.

www.imtma.in

VOLKSWAGEN GROUP OPENS TRAINING ACADEMY IN PUNE, MAHARASHTRA STATE

The Volkswagen India Academy, which has 1,500 square metres of space, is equipped with seminar rooms and provides practical training in advanced vehicle and production technologies. Apart from the professional development of employees, customer service personnel and the current 120 Group dealerships, the Academy is also the base for Volkswagen's vocational training in India. It is located at the Pune plant, which was opened in March 2009 and currently builds Skoda Fabia and Volkswagen Polo models for the Indian market. The plant in Pune, with a maximum annual production capacity of 110,000 vehicles, is an essential part of the Group's growth strategy on the Indian market.

www.volkswagen.de



The Volkswagen plant in Pune

MAHINDRA NAVISTAR AUTOMOTIVES STARTED PRODUCTION IN JUNE 2010

Mahindra Navistar Automotives Ltd, the 51:49 joint venture between Mahindra & Mahindra Ltd. (M&M) and Navistar Inc. USA, started production of its first truck in June 2010. The 25 t MN 25 is the first new product to roll out of the Chakan plant, which covers over 700 acres. Other M&M products will also be manufactured here. The joint venture is in the process of addressing every segment of the commercial vehicle market from 3.5 to 49 t, with variants to include passenger transport, cargo and specialised applications. "The high performance MN25 is one of the most powerful, fuel efficient, rugged and comfortable 25 tonners to be launched in India" Rakesh Kalra, Managing Director, Mahindra Navistar Automotives Ltd., was quoted as saying in the Indian news portal machinist.in

www.mahindranavistar.com



Photo: Mahindra Navistar Automotives

The all-new Mahindra Navistar MN 25

POSITIVE OUTLOOK FOR CONSTRUCTION EQUIPMENT

From the current figure of US\$4 bn, turnover in this industry will almost quadruple to US\$ 15 bn by 2015, according to the Indian Earthmoving and Construction Industry Association Ltd. (IECIAL) and the German foreign trade organisation gtai. The driving force behind this development will be the infrastructure sector where, also by 2015, some US\$500 bn will be needed for transport links as well as for water and energy supplies. Up to 20% of this amount is expected to be invested in equipment alone. In line with this positive development, Indian manufacturers are planning to increase their production facilities; foreign suppliers have however also been showing greater presence in serving the Indian market. Alongside JCB, Caterpillar, Volvo, Komatsu and Hyundai,

Schwing Stetter and Putzmeister have already set up manufacturing sites in India to utilise the lower local production costs and remain competitive in this price-driven market: according to a study by the Confederation of Indian Industry (CII), 80% of all customers in the construction equipment sector stated that for them the price was the key purchasing criterion. And competition is likely to get even tougher, since Chinese construction manufacturers have also discovered India, with some of them already operating their own production facilities in the country and planning further expansion over the coming years.

www.gtai.de / www.iecial.com / www.cionline.org

DAIMLER INDIA COMMERCIAL VEHICLES TO LAUNCH LIGHT TO HEAVY DUTY TRUCKS IN 2012

Daimler India Commercial Vehicles (DICV) is building a 160 hectare truck production plant in the state of Tamil Nadu. Total investment is an estimated US\$934 million. According to a company press release, the first prototype trucks for the Indian market are already being test driven on the new DICV proving grounds in Oragadam near Chennai (Madras). The company will manufacture light, medium, and heavy duty trucks from 6 to 49 tons there; these are scheduled for launch in India in 2012. According to media reports, the vehicles manufactured at the new site will be marketed under the brand name 'Bharat-Benz', giving it a distinctly domestic image. Daimler's other commercial vehicle activities in India include a joint venture with TATA and the bus and coach works in Pune.



Photo: Daimler Trucks

The DICV near Chennai was opened in March 2010.

SEVERSTAL AND NMDC PLAN 50:50 STEEL JOINT VENTURE

According to recent media reports, Russia's No.1 steelmaker Severstal and India's biggest iron ore producer NMDC are planning to establish a steelworks near Bellary in India's south-western state of Karnataka. A Memorandum of Understanding to this effect was signed in December 2010. The projected investment is said to be worth approximately US\$5bn and the mining background of both companies promises to safeguard long-term ore supplies. The initial capacity of the works is said to be 2 million tpa with an option to expand to 5million tpa. Development of the project may, however, be held up by land acquisition, environmental concerns and procedural obstacles, which have held up other projects of this size.

www.nmdc.co.in
www.severstal.com

NEW SMALL CAR TO BE LAUNCHED BY HONDA

Honda is preparing the production of a new small car for the Indian and Thai markets to be launched in 2011, according to the Indian news portal machinist.in The new small car will be manufactured in the Honda Siel Cars Greater Noida facility near New Delhi, which currently has an annual capacity of 100,000 units. The new hatchback is expected to be priced well below the Jazz, currently Honda's cheapest model in India. Honda plans to introduce two versions of the small sized car in India in the second half of 2011. Honda's second manufacturing facility in the New Delhi region is in Tapukara, Rajasthan and here the company currently produces automotive components.

www.machinist.in

PRAGYA EQUIPMENT PVT. LTD., INDIA, STAND E30



Pragya Equipment is a leading manufacturer and exporter of industrial and handling equipment for:

Cold rolling steel plants equipment

Coil handling equipment such as 'C' hooks, coil grabs, coil tilters and coil transfer cars.

Terminal equipment such as uncoilers, recoilers, shears, coil cars, belt wrappers, pinch rolls and levellers.

Saw pipe plant equipment

Pipe rotators, conveyors, transfer trolleys, post bending rolls, UT/X-ray test carriages, welding booms, sizing presses and all other handling and hydraulic equipment.

Drop weight tear tester (DWTT)

PLC controlled automatic drop weight tear test up to 80,000 joules.

Tube finning machine and finned tube radiators

Tube finning machine for spiral crimped fins, L, LL, KL fins MS, SS, copper, brass and aluminium tubes.

Pragya Equipment also supplies finned tubes and radiators and shell & tube heat exchanges.

Exporting to:

Germany, France, USA, Canada, Italy, Iran, UAE, Saudi Arabia, Ukraine, Spain, Philippines, Bangladesh, Nepal, Turkey, Argentina, Malawi, South Africa etc.

www.pragyaequipments.com;

www.pragyaindia.com;

www.pipeplantequipments.com;

www.handlingequipments.com

EMKA BESCHLAGTEILE

GMBH & CO. KG, GERMANY, STAND C64



Highlights from the product portfolio MADE BY EMKA:

- Modular locking systems for cabinets and enclosures, electronic or mechanical, visible or invisible
- Hinges
- Edge protection and gasket portfolio

The range of manufacture includes development, prototyping, tool manufacture, surface refinement, assembly and logistics.

www.emka.com

D.B. ENGINEERING PVT. LTD., INDIA, STAND E48

After a very successful EuroBlech show, in which D.B.Engineering Pvt Ltd participated for the first time, the company is now exhibiting its products at the Indian edition of the show.

D.B.Engineering is a leading manufacturer of slitter tooling, shear blades, forming rolls, and rolls for the CR mills.

The company has been in the market of steel plants, metal fabrication units, steel service centers and rolling mills for the last 60 years. At its six units, tools steel sourced from leading steel mills across the globe, with special attention to the homogeneity of grain structure, is processed to be transformed into high quality cutting tools. The latest CNC work stations for machining, an in-house heat treatment unit equipped with atmosphere controlled furnace with automatic controls and process recording, and the finest grinding machines, help D.B.Engineering in offering its customers a quality product.



Helping the company achieve its quality objective is a workforce of 600 people, comprising of engineers, metallurgists and heat treatment specialists. The company's manufacturing and quality assurance processes are ISO certified.

www.atlasknives.com

ESI GROUP, INDIA, STAND A36

ESI is a pioneer and world-leading provider in virtual prototyping that takes into account the physics of materials.

ESI has developed an extensive suite of coherent, industry-oriented applications to realistically simulate a product's behavior during testing, to fine-tune manufacturing processes in accordance with desired product performance, and to evaluate the environment's impact on performance.

ESI's solutions fit into a single collaborative and open environment for end-to-end virtual prototyping, thus eliminating the need for physical prototypes during product development.

The company employs over 750 high-level specialists worldwide, covering more than 30 countries.

www.esi-group.com

NEXTGEN CNC HYTEC PVT. LTD,

INDIA, STAND E20



Nextgen CNC Hytec deals in machines and tools for the sheet metal and pipe fabrication industry. We represent world leaders from Europe and the USA for high quality products. Backed by efficient service set up, the company aims at total customer satisfaction and has supplied various machines and tools all over India.

www.hytekmarketing.biz

GÜTHLE PRESSENSPANNEN GMBH, GERMANY, STAND A20

The owner-managed Güthle Pressenspannen GmbH specializes in complete solutions for the fast changing of press tools. The company that started over 80 years ago as a metalworking shop has become an innovative, reliable partner for press manufacturers and users worldwide. The products and know-how of the Swabian company significantly reduce tooling and tool changeover times.

"We want our products to last as long as the presses they're used on," says Günther Brüske, quality management lead and long-time Güthle employee. The products of this Swabian company with great depth of fabrication, in demand around the world, have simplified the work of press manufacturers and users since 1975.

Move tools weighing tons easily

With the patented Rollbloc system presented for the first time in 1975, tools weighing tons could suddenly be moved onto the press table easily by a single man, removed, or positioned precisely for installation. Ball strips fabricated in a T-groove format, whose bearing balls were inserted individually and spaced out using springs, made it easy to move the loads. Customers simply needed to specify the tool weight, the size of the press tool, and the dimensions for the standardized T grooves, and tool changing turned into time-saving child's play. The product line was consistently expanded. Rail-mounted tool changing carriers, hall conveyors, and motorized tool change brackets were added.



Güthle is a traditional company with a great depth of fabrication.

Roller bearing strips that could carry twice the load and hydraulically actuated Rollbloc strips extended the line. With the renowned Swabian spirit of invention and their consistent drive towards quality "made in Germany", Güthle became a successful company with products in demand worldwide.

Products & Services

The ROLLBLOC-Components-Program (die lifters, die loading arms, hydraulic clamps etc.) contains everything for the manual change and hydraulic clamping of dies. The DILOS-Program (die transporters, die changing carts etc.) contains products, systems and concepts for automatic die change of heavy to heaviest press dies.

www.guethle-swt.de

STAM S.P.A., ITALY, STAND A42

New: Flexible Rollforming

In the field of coils working/processing machines, several new profitable technologies have recently arisen: one of the most important is "flexible rollforming".

Stam Spa, located in Ponzano Veneto, Italy, is a worldwide leader in this field.

Stam rollforming lines are extraordinarily flexible, allowing to switch within minutes from the production of a type of profile (having a certain section and dimensions) to another, without manual intervention. They can therefore be used for large as well as small production batches. Examples of recently manufactured lines include:

Flexible rollforming lines for truck beams

One of the main applications, which saw Stam become a worldwide leader, is the rollforming of U profiles for chassis beams of commercial vehicles and trucks.

The material thickness can vary up to 12 mm, and the yield point normally goes up to 600-700 MPA.

Stam rollforming machines can be configured in less than 5 minutes under the PC and PLC control, to follow the dimensions and thicknesses of the profile to be produced.

The heart of the line is the rollforming machine. It allows the positioning of all the forming rolls, according to the production program set, and particularly to the thickness and shape of

the profile.

Through some systems patented by Stam, it is possible to correct and control the material spring back, in order to obtain profiles always well within the strict tolerances allowed by the manufacturers of commercial vehicles.

After the rollforming, the cut follows without stopping the rollforming process, through a completely flexible cutting system. All the profiles, within a given range, can be cut without replacing the cutting tools.

Rollforming lines for U, C, Z and Sigma profiles for the building industry

These profiles have normally up to 4 mm thickness, with variable width up to 400 mm.

Also for these profiles, Stam developed a complete production line able to punch, rollform, cut and stack the profiles in a completely automatic and flexible mode.

The rollforming machine is able to change from any profile to another, among the range indicated, without any manual change of the tools, in a short time. For instance, the passage from a C profile 100/400/100, 4 mm thick, to a Z profile 50/200/50, 2 mm thick, is done in 6 minutes.

The pre-punching unit of the strip is automatic and flexible, and is equipped with all the punches necessary for the different products. The cutting process can be done either



before rollforming, so to avoid having interchangeable tools for the different profiles, or after rollforming, by flying cutting systems.

STAM also manufactures variable section rollforming lines, slitting lines and cut-to-length lines for coils, and flexible manufacturing systems (F.M.S.), applying the most modern technology in designing and manufacturing.

www.stam.it

KAROLIN MACHINE TOOL PVT. LTD. (KMT WATERJET), INDIA, STAND C40



Waterjet Cutting at 6,200 bar

With the Streamline PRO-I Ultra-High Pressure Pump Series, KMT Waterjet Systems offers a high-quality solution for

waterjet cutting at 6,200 bar (90,000 psi). In the recent past, the 6,200 bar technology has become more & more popular and has been setting new standards in the industry. Compared to conventional cutting at a pressure of maximum 4,000 bar (60,000 psi), KMT's 6,200 bar technology provides increased productivity in combination with possible resource savings.

Installing Waterjet Cutting Machine with KMT PRO-I 6,200 bar pump, can save time and money. A series of tests carried out at KMT has shown, the amount of abrasive — a major cost driver in the waterjet cutting business — can be significantly reduced. The KMT experts identified potential cost savings of up to 30% per cut piece, depending on material type, thickness and the shape to be cut. At the same time, the cutting speed may be increased by 50% or more without sacrificing the quality of the cut edge.

www.kmt-waterjet.com

ERMAKSAN MAKINE SANAYI VE TICARET A.S., TURKEY, STAND D40



LASERMAK — Linear Motorized CO₂ Laser Cutting Machine

Lasermak is equipped with linear motors which bring 170m/min movement speed as standard. Linear motors are maintenance free and minimise backlash problems and readjustments of moving equipments. FANUC resonator is being used on all Lasermak models and is designed with RF technology, reducing expenses and maintenance in the long run. Lasermak is being delivered with chiller, air dryer, automatic pallet changer and air filter as a full package and is available in different sizes and capacities.

EVOLUTION — Hybrid Servo Press Brake

Evolution, according to Ermaksan, consumes 60% less power compared to other hydraulic press brakes and oil requirement

is reduced by 80%, with the life time of the oil being a minimum of 5 years. The noise level is 63 dB. Evolution is equipped with Ermaksan's 3D touch screen CNC controller, ER-90, and allows the user to import dxf files without having an offline software, or to make drawings on the controller itself.

MICROBEND — Small bends, big profits!

ERMAKSAN's smallest member, Microbend, is 1000mm long and has a 40 ton pressure capacity that is designed for bending small components. It is filling the gap for press brakes with a small footprint, less power consumption and faster production. Microbend is a 3 axis CNC press brake and comes with hardened Promecam type tools.

EKN-6 — Corner Notching Machine

EKN-6, corner notching machine is a flexible solution for cutting corners at any desired angle between 30°–140°. Its cutting capacity is 6mm MS and 3mm SS and it is equipped with easy adjustment gadgets.

www.ermaksan.com.tr

PRECITEC KG, GERMANY, STAND C70

Precitec specialises in sophisticated system solutions in laser material processing. Our products are well-known for their reliability and industrial efficiency.

Processing heads for all established makes of laser types are available for laser cutting in various power and precision classes. Thanks to their non-contact and extremely durable distance and process sensors, these heads achieve an absolutely optimal cutting quality.

For laser joining Precitec offers processing heads and automated systems for quality monitoring - efficient and complete solutions from one source. High-resolution cameras determine the position and geometry of the joint. In-process sensors and cameras provide information about the stability of the welding process, while post-process cameras measure the geometry and the surface quality of the seam.

www.precitec.com

ELECTRONICA HITECH ENGINEERING PVT. LTD., INDIA, STAND E110

Electronica Group has been manufacturing as well as sourcing and distributing machines required in the metal cutting industry for entry, volume and high performance segments for many years.

Electronica HiTech Engineering Pvt Ltd focuses on the machine tool trading business and expands its range according to its customers' needs.

Electronica HiTech identifies technology requirements and sources world-class toolroom and production metal cutting machines such as vertical machining centers, horizontal machining centers, 5 axis machining centers, CNC lathes, surface grinders, CNC tapping centers, CNC boring machines etc. from different countries.

To cater to the needs of the metal forming industry, the company started dealing in major machines required in the sheet metal industry such as hydraulic and servo drive turret punch presses, press brakes, bending m/cs and shearing m/cs, laser cutting m/cs, plate bending m/cs, profile bending m/cs, tube bending m/cs, plasma cutting m/cs and hydraulic crimping m/cs to cover the majority of the industry spectrum.

The company's engineers are trained on various applications and service related aspects and a ready stock of spares minimises machine downtime or production losses.

www.electronicahitech.com

PETIG AG, GERMANY, STAND B20

Innovative tube processing increases productivity and flexibility – PETIG's tube punching system technology at Blech India 2011

Flexible and deformation-free through-punching of hollow sections – whether they are rectangular, square or round – has been proved as a time-saving method compared to single-sided punching and requires years of experience in the construction of punching machines and tools. Due to over 100 years of experience and a special expansion technique, the Petig AG presents itself as the ideal partner.

To punch free of deformations with the through-punching method, the upper tube wall is cut by the punching die. Afterwards, the slug serves as the punching die's extension and punches the lower tube wall. Hence, the punching slug becomes a cutting tool. The slug guide in the expansion die and the die holder has to be very tight so the slug can't loosen. Using expanding mandrels, which are driven separately and have exchangeable dies, the tube can literally be punched free of burrs without further postproduction. PETIG machines allow the manufacturing of tubes up to 10m



length, diameter up to 100mm and a wall thickness of 0.5 to 10mm.

The disposal of the punching slugs is easy as well because these fall through the machine table into a box after each punch. Depending on the tube size, up to four tubes can be processed simultaneously. The punching tool is important for the punching quality. Especially when the punching holes are in visible areas, deformations should be avoided. In order that the quality of the upper and lower perforations is virtually equal, the responsible expanding die is of utter importance.

Petig's punching method with the expansion die has been successful for several years and finds application in many industries. Compared to single-sided punching, there is an increase of productivity of up to 35%.

Without further working steps, tubes can be turned for further processing and thanks to the control system, the collet chucks in the feed can be rotated into any tube position. This way, the tube can be processed on different axes.

www.petig.com

BYSTRONIC LASER INDIA PVT. LTD., INDIA STAND D30



At this year's BLECH India, Bystronic will present numerous new developments from all product areas. Amongst them are completely new machines as well as a range of innovations for even more productive and efficient cutting and bending processes.

About Bystronic

Bystronic is a worldwide supplier of high-quality solutions for the economical processing of sheet metal and other sheet materials. Bystronic is a member of Conzeta Group, a Swiss industrial holding company with activities in the fields of machinery and engineering, automation systems, foam materials, sporting goods and real estate.

Bystronic Laser India Pvt. Ltd offers complete sales, after service and spares support to all customers. The company is headquartered in Pune, and has branches in Delhi, Bangalore, Chennai Coimbatore etc.

Fiber laser and process automation

For the laser cutting segment, right on time for the 50th anniversary of the laser, Bystronic will display its first production model of a laser cutting system equipped with a Fiber laser. The BySprint Fiber 3015 with the Fiber 2000 two kilowatt laser, in particular for thin sheets up to four millimetres. BySprint Fiber can also be used to process sheets up to a thickness of 12 mm. It is extremely flexible: In addition to steel, stainless steel and aluminium, non-ferrous metals such as copper and brass can also be cut with high process reliability and precision.

Waterjet- from micro to macro

This system is used for producing (very) small precision parts and will open the door to new, trend-setting markets. Over the whole working area of 1000 by 600mm, even bars with a width of 0.2mm can be produced with a roughness of up to N6. Furthermore, the Micro-waterjet is the only waterjet cutting system with which a reproducible manufacturing tolerance of plus/minus one hundredth of a mm can be achieved.

Bending – always one step ahead

The press brake segment will be represented with three machines and with new developments that further improve the productivity of the systems.

www.bystronic.com

OMERA SRL, ITALY, STAND B54



For over 60 years, OMERa has been a world leader in supplying engineered solutions to the sheet metal working industry.

OMERa and its associated companies design and manufacture a large number of advanced solutions suitable for many applications including: Ironworkers, metal circle shears, trimming and beading machines, hydraulic and mechanical presses, special customized machines according to clients' specific requirements and full automatic production lines.

OMERa and the companies belonging to its group share the same high quality standards, while each excels in its own product line. As a result, it is possible not only to supply integrated solutions for sheet-metal working but also to guarantee a technological and fully advanced design from the initial engineering to after sales assistance.

www.omeracom

L.L.EQUIPMENT & MACHINES PVT. LTD., INDIA, STAND E104

Having commenced trade in 1978, L.L.Equipment & Machines Pvt. Ltd is today a well established and leading name in the area of designing, manufacturing and servicing commercial kitchen equipment, refrigeration equipment, exhaust systems, display units, custom built equipments and sheet metal components. The company has achieved a high reputation in India and in international markets as a manufacturer, service provider and supplier. The company offers a pioneering range of sheet metal fabrication jobs on CNC turret punch and CNC/NC bending machines.

We have full-fledged in-house facilities for:

- Precision sheet metal fabrication, predominantly stainless steel fabrication using CNC punch press and CNC press break.
- Polishing, welding, grinding, buffing and puf insulation.



The company's manufacturing activities in sheet metal components are:

MS, SS, GI and Aluminium Fabrication on Turret Press up to 4 mm thickness, Automation Enclosures, Electronic Racks, MS, SS & Aluminium Boxes, Electrical Control Panels, Distribution Boards, Bus ducts, Drive Panels, PLC Panels, Relay Panels, Soft Starters, Crane Control Panels, Automatic Power Factor Control Panels, Acoustic Enclosure for DG Set, Acoustic Enclosure for Compressor, Acoustic Panels & Rooms, Cable Trays, Gratings, Sheet Metal Fabrication with CNC Backup, CNC Punch Press, CNC Shearing & Bending, Liquid Painting, 7 Stage Converted HR Powder Coating, CR Powder Coating

www.llequip.com

EXHIBITION PREVIEW

HENSEL INDIA PVT. LTD., INDIA, STAND C62

Expanding Market – Nidec-Kyori press machines valuable to manufacturers of electronic parts

Computer, communication appliances, acoustic and optical equipments and so on are indispensable for both our daily lives and industrial development. For a long period, Nidec-Kyori has been researching and developing press machines, that are best suited for application in the manufacturing of fine parts, leadframes, connectors etc.

Nidec-Kyori has paid much attention to the development of functions and designs of our machine, and we always listen sincerely to our customers needs and make utmost efforts to realize them. Such efforts resulted in obtaining a great deal of our customers' satisfaction.

Nidec-Kyori is accredited to comply with ISO9001 and our products are distributed to many countries in the world.

Accumulated experience in technology development – The first in the world to have developed high speed press with a symmetrical knuckle mechanism.

The BEAT series was firstly built with symmetrical knuckle mechanism having dynamic balance in 1975. Since then, different models of fine precision link press machines have been launched in the market to suit different applications. The company's knuckle press machines have a large market share in the field of electronics industries such as leadframes, connectors and electronic parts.

Acceleration of around 10G is generated for stamping at ultra high speed of 3000SPM. Stability of the press is most important for stamping under such severe conditions. Press machines have to pass stringent quality control checks in all departments of design, machine process, and assembly before being commercialized and launched into the market.

Founded in 1948, Nidec-Kyori has established itself as a leading company in the field of high speed press industries and has been affiliated with Nidec Corporation Group since 1997.

www.henselindia.in

NOVASTILMEC, ITALY, STAND B51



Novastilmec is a leading manufacturer of coil processing equipment and has installed more than 400 plants in 20 different countries. The company deals with a variety of customers and a range of materials, including high resistance steel and light alloys, and produces slitters and cut-to-length lines that require a high concentration of technology.

www.novastilmec.com

PRO-ARC WELDING & CUTTING SYSTEMS PVT. LTD., INDIA, STAND C80



Pro-cut 2000 series

Pro-cut 2000 series CNC plasma & oxyfuel cutting machines with high precision machined components and low backlash planetary gear boxes ensure high accuracies consistently over its entire life.

Digitally controlled AC servo drives ensure a good adaptability to all running conditions, ensuring extraordinary accuracies, acceleration and deceleration ensuring smooth motion at high speeds and around corners with the above equipment. Multi torch strip cutting function for pre-fabricated construction industry.

Dedicated hardware and software for plasma cutting and oxyfuel makes cutting a breeze. Intuitive software makes learning of basic cutting and advanced features extremely easy.

www.proarcindia.com

LANTEK AUTOMATION PVT. LTD., INDIA, STAND E64

Lantek is an Information Technology company specialized in the development of sheet metal CAD/CAM programming software solutions for CNC turret punch, shearing, bending, unfolding, laser, plasma, oxyfuel, waterjet cutting, ducting, tubes, steel work, 5 axis and pioneer of the on-demand factory management software solutions.

Lantek was founded in 1986 and is headquartered in Vitoria-Gasteiz, Spain. The company has over 10,000 customers with offices in Spain, Argentina, Germany, Italy, Great Britain, Russia, South Korea, France, Japan, India, Turkey, Mexico, China, Poland, USA & Czech Republic.

www.lantek.co.in

GASPARINI S.p.A., ITALY, STAND A100

Gasparini S.p.A. is a leading European company producing high-tech machinery for the sheet metal processing industry.

Gasparini roll forming lines are tailored machines, with integrated processes of punching, drilling, folding, welding, cutting, handling and packing, all depending on customers' requirements. The roll forming systems, characterised by high productivity, automation and flexibility, have many different applications:

BUILDING: Elevators, Purlines, Guard Rail, Gutters, Pipes, Sandwich Panels, Windows and Doors

LOGISTICS: Racking Systems, Cabinets, Cold Rooms, Walkways

ENERGY: Bus Bars, Cable Trays, Ceiling lamps, Photovoltaic Panels

AUTOMOTIVE: Longitudinal Frame Members, Bumper Bars, Impact Bars, Body Sides

GASPARINI S.p.A. ROLLFORMING SYSTEM

The final products of this line are a complete range of high trapezoidal profiles, used in the building sectors as decks for high and medium span.

The producers always need lines with high productivity and flexibility to improve the range of products and the service to customers. The line in completion in the Gasparini factory produces 4 heights of profiles 135, 153, 162 and 205. For



the final user the increase of height increases the capacity (load) of the deck or the possible span.

Gasparini's line is summarised as follows:

- The decoiling system is designed to reduce to a minimum the time needed for the introduction of a new coil, increasing also the flexibility of the line having a multi coil stock coil car.
- The rollforming system works to a speed of 80m/min and allows for changing profile section and thickness in a completely automatic way.
- The final products adhere to very tight norms (EPAQ)
- The cutting phases have very high performances and the change over of the cutting tool is completely automatic.

One of the main features of this line is the stacking and packing system that permits a huge number of stack lay outs with lengths of up to 25m, automatic placement of a specific pallet and automatic wrapping and/or strapping operation. The line is completely controlled and monitored in all phases, also from remote positions.

www.gasparini-spa.com

II-VI INFRARED, USA, STAND A62



II-VI Infrared, a world leader in CO₂ laser and infrared optics, designs and produces a complete line of mid- to high-power laser optics including lenses, mirrors, windows, partial reflectors, beam splitters, phase retarders, rhombs, beam expanders, polarizers, wave plates, modulators, and more. Special products include the MP-5 ultra-low absorption lens, and the new and improved Lens Stress Analyzer (LSA). IR materials produced include Zinc Selenide (ZnSe), Zinc Sulfide (ZnS), Zinc Sulfide MultiSpectral (ZnS MS), and CVD diamond. The company also produces both transmissive and reflective 1 micron optics made from optical materials including ZnS MS, ZnSe, copper, and silicon. Capabilities include optical design and engineering, optics manufacturing, diamond turning, thin film coating, optical assemblies, world-class quality assurance, and international sales and support.

www.ii-vi.com