



“A new power source for plasma arc welding was also shown for the first time”

QUICK ON THE DRAW

ISMR SAYS:

“This year, SEYI Presses Europe doubled its turnover and its managing director, Michael Juhl, expects a further doubling of turnover in 2016”

SEYI demonstrated formidable deep drawing control (one-strike operation) to *ISMR* on its SD200 direct drive servo press at Blechexpo in Stuttgart



Above: Michael Juhl, managing director, SEYI Presses Europe



Founded in 1962, Taiwanese press specialist, Shieh Yih Machinery Co., Ltd. (SEYI), has established a strong position in the metal forming industry. It manufactures mechanical presses, ranging in size from 25 to 2400 tons, and servo presses, from 80 to 1200 tons. SEYI products have been sold to customers in over 40 countries and received numerous quality awards from around the world. In April this year, it became the first press manufacturer to win the Taiwan Excellence Gold Award in the past 20 years.

SEYI showcased its 200-ton servo press, Type SD2-200, at Blechexpo in Stuttgart and demonstrated its formidable deep drawing control (one-strike operation) to *ISMR* at the exhibition. It is currently expanding its total solution service, emphasizing peripherals such as feed mechanisms, transfer equipment and other ancillaries to maximize SEYI press productivity. SEYI announced a 9% increase in net sales and a 5% increase in profit before income tax for the second quarter ending 30 June 2015.

Fine-blanking on a servo press

SEYI Presses Europe demonstrated the fearsome capabilities of its 200-ton servo press, Type SD2-200, with large-sized bolster and two connecting rods to *ISMR* at Blechexpo. This advanced servo press was operating with a highly sophisticated tool to show the intricacies of its advanced drawing, stamping and coining operations done in just one single cycle. This economy of operation is entirely due to the specially developed SEYI servo motor, motor controller and control system for fully controlled movement and speed.

“The SEYI SD200 is a direct drive servo press - we have developed our own motor and servo controller which means that we can obtain maximum press power through any kind of stroke. This means you can make special parts (as we are showing here) to demonstrate deep drawing operations in just one strike. You normally see this kind of capability in a hydraulic press but we can now do this on a servo press, saving 50% of the energy used and extending



also have stock/spare parts and plan to expand our staff there. We have appointed new agents this year in Hungary and Czech Republic – these are very good areas for the automotive industry. We are focusing on Germany, of course, but also across the European region and I see good opportunities for us in markets such as Poland; the UK; Benelux; Holland; Belgium; Italy; Luxembourg and France.”

For Industry 4.0, SEYI is implementing smart plant concepts, adopting some programs from SAP and other vendors in manufacturing execution solutions, integration and intelligence as well as information management to gradually form solutions (such as shop connector systems, assembly lines and equipment and products) to monitor all production-related processes into a complete network of intelligent production.

Meet SEYI in Europe at exhibitions such as Metalex, MACH (UK), BIEMH (Spain) or EuroBLECH (Germany) next year or, for more details, see www.seyi-europe.com ■

“ We can control maximum power all the way through the stroke – there are no peaks or losses of power ”

» tool life dramatically,” Michael Juhl, Managing Director, SEYI Presses Europe GmbH told *ISMR*.

“We are also demonstrating fine-blanking, which is generally employed by very expensive press-makers. We can now perform fine-blanking operations (with high tolerances and good speeds) on our servo presses in just one operation. Here, in Stuttgart, we are demonstrating this with 4mm and 6mm material. There are no vibrations or shocks during the process because of the smooth and level control of the press stroke (which is again good for extending tool life). We can control maximum power all the way through the stroke – there are no peaks or losses of power.”

This is particularly important as fine-blanking is a process extensively used in the automotive industry. The benefits from doing this on a servo press include greater control of the process, greater efficiencies and greater cost savings. A press such as this costs one third of a normal fineblanking press today, according to SEYI, with the tool concept representing an approximate 50% cost saving. Important energy savings can also be made as just one stroke is employed, instead of several, and battery storage can recycle power for the next stroke.

“Automotive manufacturers, who are stamping hundreds of parts, will appreciate this capability. They are always looking for cost savings. We believe that now is the right time to promote this technology,” Juhl told *ISMR*.

“This year, we can also offer servo presses in ranges from 400 tons up to 1600 tons – a big jump for us. These are really destined for the big players in the market. We have sold lines to Daimler Group in the US. We see servo technology taking over from conventional presses in the market, as it offers better control and quality, so we have launched this next level of servo technology with our own controller. Everything we develop is made in-house which gives us more control over process and quality so that we can rapidly follow our customers. We can supply very big lines within 5-6 months, which is much faster than many of our competitors,” added Juhl.

An eye on Europe

The European market has been developing well for SEYI Presses Europe which is now in its third year of operation. This year, it doubled its turnover and Juhl expects a further doubling of turnover in 2016.

“We are picking up more orders in Europe as users learn more about our brand. We have sold lines this year in Germany, Poland, UK, Czech Republic and fine blanking presses in Spain. We are very happy with business in 2015 and expect even more for 2016,” he explained.

“We have also been busy improving our new European headquarters in Hanau, Germany for our customers. We have showroom facilities and have now installed a press there. We will



SEYI press demonstration at Stuttgart