

Where to see Spiroll!

See us at these forthcoming Exhibitions and Shows

Excon 2009

November 25 - 29
Bangalore International Exhibition Centre, Bangalore, India
The 5th International Construction Equipment and Construction Technology Trade Fair
www.excon.in

ICCX Russia 2009

December 8 - 10
Park Inn, Pulkovskaya St. Petersburg, Russia
International Concrete Conference & Exhibition
www.iccx.org

Cemcon 2010

February 18 - 20
Seminar at YASHADA
Rajbhavan Complex, Pune, India
Seminar: "Hollowcore Manufacturing & Factory Design"
www.cemcon.org

Bauma 2010

April 19 - 25
Munich, Germany
29th International Trade Fair For Construction Machinery, Building Material, Machines, Mining Machines, Construction, Vehicles and Construction Machines
www.bauma.de

Haitian honeymoon for hollowcore

For the first time ever, hollowcore is to be produced in the Caribbean Republic of Haiti, thanks to the vision of Philippe Lature of Allprecast S.A. and Spiroll.

The company is currently dispatching equipment for a new hollowcore factory which is due to start production in January 2010. The facility is being constructed by Allprecast S.A. and Spiroll is providing a full package of

production machinery, training and technical support.

According to Spiroll's MD, Stephen Carr "This latest project is part of our mission to expand our offering into new markets worldwide.

"Key to the selection of Spiroll to provide Haiti with its first hollowcore production facility was the company's long established reputation for value engineered

solutions, quality products, expertise and full support.

"Spiroll is much more than just a supplier of machinery, we have the resources to provide ongoing training and technical support anywhere in the world."

The Spiroll name has been associated with hollowcore production in the Caribbean for many years and has established factories in Barbados, Haiti and Cuba.



Spiroll precast lecture spans continents

The King Saud University in Riyadh, Saudi Arabia was the venue for a recent training seminar which featured a presentation by Spiroll.

The course titled 'Design and Construction of Precast Concrete Structures' ran for three days from 30 May. The event was organised by the Centre of Excellence for Concrete Research and Testing, Saudi Society

of Civil Engineering and the American Concrete Institute Saudi Chapter.

Managing Director of Spiroll, Stephen Carr, and Dr. Howard Taylor, one of the world's foremost experts in the design and construction of precast concrete, delivered a series of presentations on the benefits of building with precast concrete.

Early in the year Spiroll also delivered a lecture at the BuildMat 2009 trade show in Coimbatore, India.

Forthcoming events feature a return to India in February 2010 when Stephen Carr will deliver a lecture at Cemcon in Pune.

For more details of the Spiroll training and support events email: paultate@spiroll.co.uk



(Above) Stephen Carr on a site visit.
(Right) The conference at the university.

Message from the MD

Over the last eight years Spiroll has grown year on year. This has been achieved by offering its customers what they want at the most competitive price.

We have an extruder which makes the strongest hollowcore slab on the market and we have made innovative developments to our products and services that have allowed us to offer low cost turnkey factories.

People count, employees count, suppliers count and, of course, the customer is king.

We have many successful projects, more recently in Europe, the Middle East and the Caribbean. We have some excellent references which support our goal to ensure that not only is the customer satisfied, but becomes a friend and partner for the future.

This newsletter will give you a better insight into our recent activities and successful projects.

We are continuing to grow in strength and we would welcome the opportunity to provide support for your needs. Please consider Spiroll in the future.



Stephen Carr
Managing Director



Next Generation Mobile Hollowcore Plant

Hollowcore is a growing industry and developing countries such as India don't necessarily have the infrastructure nor the finances for the investment in a precast factory. In other wealthier markets like Saudi Arabia demand has outstripped supply and production lead-times are a critical factor.

To overcome these problems Spiroll has developed a mobile hollowcore plant that provides the facility to manufacture

the precast slabs on the construction site for direct supply to the building contractor.

Furthermore, by manufacturing the hollowcore slabs on site the mobile plant will ensure that projects are 'greener' with significantly reduced carbon emissions. On the completion of a project the mobile plant can be moved to the next construction site or back to base.

As with permanent hollowcore factories, Spiroll provides

everything required for mobile production of slabs; from design, costing, floor layouts and the supply of the manufacturing equipment to labour, quality testing, management controls and installation. And Spiroll has people 'on the ground', with years of manufacturing expertise, to provide local support during the construction of a mobile facility.

Since 1964 millions of square metres of Spiroll hollowcore floors have been used around the world in projects such as high rise office buildings, residential homes, hospitals, schools, universities and multi-storey car parks. The new mobile plants will enable developing countries to take advantage of the benefits of hollowcore, cut costs, speed up construction and help the environment at the same time.

For more information on the Spiroll mobile hollowcore plant email: richardjamison@spiroll.co.uk.

What our customers say!

“ We have been using Spiroll machines for 32 years and in this time we have produced over 20 million square metres of hollowcore without a single failure. ”

Saif Noman supplied Spiroll produced hollowcore for The Kingdom Centre in Riyadh, Saudi Arabia. (left)

“ Spiroll prestressed and precast technology allows us to exceed the expectations of our clients for quality and value in today's construction market. We find their technical support team to be knowledgeable and dependable, and consider them an asset to our operation. ”

Cementum Inc. Christ Church, Barbados

Case Study

The continuous supply of hollowcore was a key element in plans for construction of the largest university in the Middle East which opened in Saudi Arabia in September this year.

FIRST CLASS HONOURS AT SAUDI UNIVERSITY



To meet this need one of the largest construction firms in Saudi Arabia, Saudi Oger Ltd, commissioned Spiroll to establish a turnkey factory for the continuous production of prestressed hollowcore slabs.

King Abdullah University of Science and Technology (KAUST) was built as an international, graduate-level research university dedicated to inspiring a new age of scientific achievement in the Kingdom that will also benefit the region and the world.

The core campus is located on more than 36 square kilometres along the Red Sea at Thuwal, about 80 kilometres north of Saudi Arabia's second largest city, Jeddah.

KAUST is the realisation of a decades-long vision of the Custodian of the Two Holy Mosques, King Abdullah Bin Abdulaziz Al Saud. It is governed by an independent, self-perpetuating Board of Trustees and supported by a multi-billion dollar endowment. The University, which is merit-based and open to men and women from

around the world, will pursue its research agenda through strategic research trusts that focus on areas of science and technology that are important to Saudi Arabia, the region, and the world.

The construction project was in the hands of Aramco, the largest consultant engineering company in the Middle East, which set Saudi Oger a demanding schedule that included the need for a capacity of 8,500m² of hollowcore per week.

With a well established reputation in the Middle East, this is where Spiroll came in

to the picture. In September 2007, Spiroll successfully won the contract to design and build the plant which was operational within 6 months.

Starting from scratch, Spiroll immediately installed a Project Manager and two technicians to oversee the onsite support contract from day one. The team stayed on location for 12 months to provide training and technical advice and handover well after the first hollowcore slab came off the production line.

This particular project included factory design, civil and layout drawings, product

design, supply of hollowcore production machinery, specification and procurement of local factory equipment, drawings for all ancillary equipment, quality assurance documentation, and operational training and support.

With the King Abdullah University of Science and Technology now established as one of the region's most successful construction projects, it will stand as a testament to the quality of service provided by Spiroll Precast Services.



Products and Services

Alongside turnkey solutions for low cost hollowcore production, Spiroll provides a wide range of supporting products and services:



- ▶ Hollowcore Design/Production Software
- ▶ Universal Extruder
 - ▶ Wall Panel Conversion Kit
- ▶ Saws
 - ▶ Multi-Angle Saw
 - ▶ Yard Saw
 - ▶ Crosscut Saw
 - ▶ Longcut Saw
 - ▶ Saw Blades
- ▶ Bed Cleaners
- ▶ Casting Beds
- ▶ Stressing Abutments
- ▶ Hydraulic Detensioning Systems
- ▶ Concrete Distribution Skips
- ▶ Slab Lifting Clamps
- ▶ Slab Insulation Covers
- ▶ Wire/Strand Dispensers

- ▶ Stressing Pumps
- ▶ Stressing Jacks
- ▶ Multi-stressing Systems
- ▶ Prestressing Accessories
 - ▶ Grips
 - ▶ Grip Cleaning Products
- ▶ Digital Tension Metres
- ▶ Rapidcut
- ▶ Calibration Units
- ▶ Strand Pushers

- ▶ SlabLock Fixing Clamps/Lifting Beams
- ▶ Fall Arrest Clamps
- ▶ Edge Protection

- ▶ Spare parts
- ▶ Commissioning, maintenance, servicing, reconditioning
- ▶ Prestressing training
- ▶ Prestressing safe systems of work and risk assessments
- ▶ Prestressing equipment maintenance, servicing, calibrations
- ▶ Management consultancy contracts
- ▶ HC factory design service
- ▶ HC slab technical data
- ▶ Wall panel information

Case Study

The market for hollowcore in Poland was boosted when, along with partners Ukraine, it won the race to host the European Football Championships in 2012.

Spiroll has a long established reputation in Eastern Europe, so when Kon-Bet, one of the county's leading construction companies, was looking to establish its own hollowcore production plant one name sprung to mind.

18 months from Contact to Commissioning

Fast-track hollowcore factory for Kon-Bet in Poland

Within 18 months of initial contact with Spiroll at the 2006 Bauma exhibition in Munich, Kon-Bet was celebrating the commissioning of its brand new factory and producing quality hollowcore from day one.

For Kon-Bet the project started when it successfully won an EU grant to cover 50% of the investment of its proposed facility. Negotiations following the initial meeting in Munich led to Spiroll providing a total project management package covering everything from factory design and costing through to drawings for the local manufacture of the casting beds and supply of all the production machinery and accessories as well as commissioning and training.

The turnkey project involved a total transformation of Kon-Bet's existing precast factory. Equipment installed by Spiroll included its latest Universal Extruder which produces hollowcore slabs at sizes from 150mm through to 320mm deep using the same universal power unit. Kon-Bet also purchased all the necessary production accessories including hollowcore design/production software, concrete distribution skip, multi-angle saw, bed cleaner, lifting/fixing clamps, stressing abutments and stressing equipment.

But the Spiroll involvement didn't stop at the commissioning of the new factory. As part of the company's customer support programme, Managing Director, Stephen Carr, returned to Konin in April to help Kon-Bet launch its new capability at a weekend seminar to 130 leading Polish architects.



Have you been inspired?

If you want to know more about the products and services offered by Spiroll please get in touch or visit our website www.spiroll.co.uk. We can provide a detailed cost analysis for all aspects of hollowcore production.

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