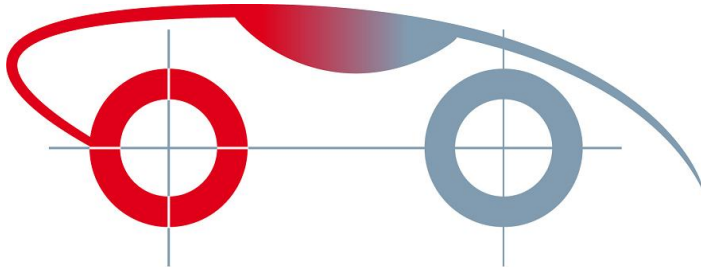


## Record number of engineering teams lined up for fifth Pneumobile competition

Crash helmet design a new feature this year

25 April, 2012



## Rexroth Pneumobil

**Forty-two teams – more than ever before – will be on the starting line for the fifth International Rexroth Pneumobile Competition on 12 May. Contestants from four countries will be showing off compressed-air driven vehicles they have designed and built themselves. In this fifth-anniversary event, Seniors will be competing for the first time, and there will also be a prize for the team which designs the most creative crash helmet.**

### Numbers that speak for themselves

It seems simple at first sight: to design and build a compressed air-driven car. But this is not a do-it-yourself job knocked together in the garage. The teams will be working for the next five or six months day and night for the contest in May. The 44 teams comprise 174 students, helped by 43 assisting lecturers, and most of them have their own teams of supporters. Twenty-eight of the teams entering for the 2012 event are from Hungary and sixteen from abroad, from a total of twenty-one universities and colleges. The number of Polish, Romanian and Czech teams shows just how international the competition has become.

The competition – held jointly by Bosch Rexroth Pneumatika Kft. of Eger and Bosch Rexroth Kft. of Budapest – has again attracted enormous interest. Hungarian engineering students will be joined by teams from the Czech Republic, Poland and Romania. The stakes are high: most of the 27 Hungarian, 2 Czech, 4 Polish and 9 Romanian teams are seasoned contestants, having already taken part in previous years. So many of the cars

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lined up for the final are the result of several years of development and experience. As so often in Eger's history, the opposing sides will be fighting to the finish. Keeping up its tradition, the event takes place at the same venue, but there will be entertainment and a good few novelties on the day for both contestants and spectators.

The task remains to design and build an air-powered car. Rexroth provided the students with pneumatic control and drive components to power their constructions. The teams chose these from the catalogue, with certain constraints, with the help of lecturers and development engineers. The results are outstanding, the creativity of the designers boundless, and vehicles of all kinds of construction will be vying for the prizes and the support of the crowd.

István Ács, General Manager of Bosch Rexroth Kft. of Budapest, said, *"The Pneumobile competition gives young engineers the chance to put their skills and knowledge to the test in a real-life, but nonetheless relaxed, situation. As they build the car, they learn things they do not find in textbooks – working in a team and making the most of finite resources and time. To succeed, they need a thirst for knowledge, a fresh, enquiring mind, precision and collaborative skills. The record number of applicants this year tells us that the Pneumobile competition is a great way of developing these, because it combines traditional industrial know-how with advanced technology."*

### **The older generation, and helmet design**

By popular demand, there is a new competition category in 2012. The Senior category is open to graduates who were involved in one of the past years' contests and who are permitted by their *alma mater* to use their old cars, which have to meet the 2012 competition conditions.

Another special feature of this year's competition is the helmet design category for competitors. The audience will vote for the design they like best on the event's Facebook page. The prize will be a helmet made to the winning design, which all four members of the victorious team can wear on race day.

István Gödri, Plant Manager of Bosch Rexroth Pneumatika Kft. of Eger, said, *"I am very glad to see that more and more teams enter the competition every year. I am always amazed at the combativeness and dynamism that these young people radiate, and I am very impressed by how they have improved the technical standard and performance of their Pneumobiles. The*

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*competition helps to strengthen the Bosch companies' position as a talent magnet for open-minded, innovative engineers."*

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Further information: [www.pneumobil.hu](http://www.pneumobil.hu)

*Bosch Rexroth AG is one of the world's leading specialists in the field of drive and control technologies. Under the Rexroth brand name, the company supplies more than 500,000 customers with tailored solutions for driving, controlling, and moving. Bosch Rexroth is a partner for Mobile Applications, Machinery Applications and Engineering, Factory Automation and Renewable Energies. The company provides customized solutions tailored to the needs and specifications of each individual market. As The Drive & Control Company, Bosch Rexroth develops, produces, and sells components and systems in over 80 countries. As part of the Bosch Group, Bosch Rexroth and its 38,400 associates generated approximately 6.4 billion euros in revenue in 2011.*

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