

WorldSkills and ASEAN Skills

FESTO

WorldSkills

Sponsor Partner



Mechatronics at ASEAN Skills

As a premier this time, Mechatronics will be shown during the ASEAN Skills Competition 2004.

Altogether four participating countries, among Vietnam, as the host country as well as Indonesia, the Philippines and Malaysia, will demonstrate the essentials of Mechatronics and a Mechatronics Competition.

Venue: Vietnam Exhibition Fair Center
59 Giang Vo Street
Hanoi, Vietnam

Date: 25 till 27 September 2004

Info: Festo Didactic GmbH & Co. KG
Mr. Volker Schmid
Mechatronics Consultant
E-mail: vsch@festo.com



The meeting place for young professionals from all over the world.

The concept of the WorldSkills Competition emerged more than 50 years ago: to promote the comparison of performance at an international level and to support international understanding.

In St. Gallen 2003, more than 750 of the best professionals from 37 nations are competing in more than 40 trades.

Gold, silver and bronze medals are awarded for the best work in each trade – for the world's best lathe operator, milling cutter, chef, IT technician ... and the world's best Mechatronics team.



Mechatronics at WorldSkills

At the WorldSkills Competition, mechatronics means industrial mechatronics.

This is not simply a combination of the mechanical, electronic and IT aspects of automation, but also demands the personal and team skills that industry needs to achieve world-class standards of excellence.

The mechatronics competition reflects reality on the shop-floor – people working under pressure to design and implement solutions and to maintain and constantly improve production. And to fix machines quickly when faults occur.



Participating nations in Mechatronics Competition

The Mechatronics Competition was first held in 1991 with just two countries participating.

Today, Mechatronics is the biggest trade represented in the WorldSkills Competition, with 25 nations taking part.

	Amsterdam 1991	Taipei 1993	Lyon 1995
Australia	x	x	x
Austria			
Belgium			
Brazil			
Canada		x	x
Denmark			
Finland		x	x
France			x
Germany		x	x
Hong Kong			
Ireland			
Japan			
Korea			x
Malaysia			
Marocco			
Netherlands	x	x	x
New Zealand			x
Norway		x	x
Philippines			
Singapore			x
Sweden			x
Switzerland			
Taiwan			x
Thailand			
UAE			
United Kingdom			x
USA			

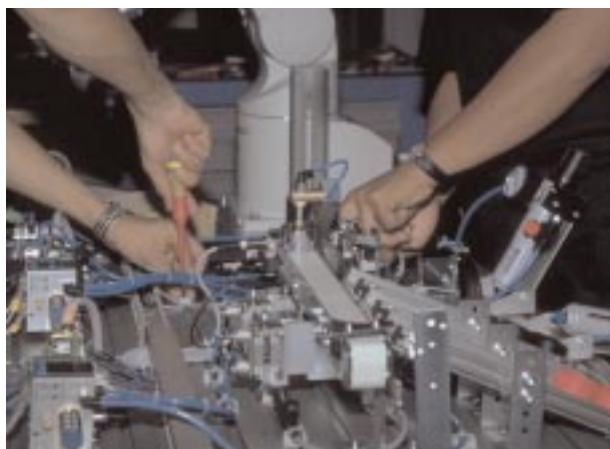
St. Gallen 1997	Montreal 1999	Seoul 2001	st. Gallen 2003
X	X	X	X
		X	X
			X
X	X	X	X
X	X	X	X
X	X	X	X
		X	X
X	X	X	X
X	X		X
	X	X	X
X	X	X	X
		X	X
		X	X
X	X	X	X
	X	X	X
	X	X	X
	X	X	X
X	X	X	X
	X	X	X
	X	X	X
X	X	X	X

Festo and WorldSkills

Promoting talent – rousing enthusiasm

Rousing young people's enthusiasm for careers in technology and the promotion of training have been core activities of Festo for decades.

For this reason, Festo Didactic has supported the Mechatronics Competition since its inception in 1991 – as official supplier of competition equipment and organizer of the Mechatronics discipline.



Festo and WorldSkills

As the need for training increases, so does the demand for greater sophistication of training methods. Innovative models are needed to gain an insight into training methods and systems in various countries, make comparisons, get new stimuli, and convert all this into Best Practices.

The WorldSkills competition offers an international forum promoting peak levels of achievement – because quality only becomes possible when there is a will to achieve exceptional performance. The elimination contest gives talented young people from all over the world an incentive to demonstrate their capabilities in practice-related tasks.



MPS®

The official Mechatronics competition equipment since 1991

The Modular Production System can be used to reproduce nearly any function in complex manufacturing processes.

Practice- and industry-focused

Planning, assembly, programming, commissioning, operation, maintenance and troubleshooting of production systems can be taught with MPS® at various levels of complexity:

- With systematic use of industrial components
- With innovative valve and drive technology
- In close cooperation with market leaders in automation

Optimizing processes

MPS® expertise can be translated immediately into industrial practice. That's why MPS® is also used as a training system for process optimization and production cost reduction:

- SMED
(Single-Minute Exchange of Die)
- FMEA
(Failure Mode and Effect Analysis)
- KANBAN
- TPM
(Total Productive Maintenance)

Train soft skills with MPS®

MPS® not only imparts technical expertise, but also enhances personal development:

- Teamwork
- Cooperation
- Learning skills
- Independence
- Organizational ability

MPS® motivates budding mechatronics specialists to use individual and structured approaches to find solutions fast.





MPS®

Budding mechatronics specialists



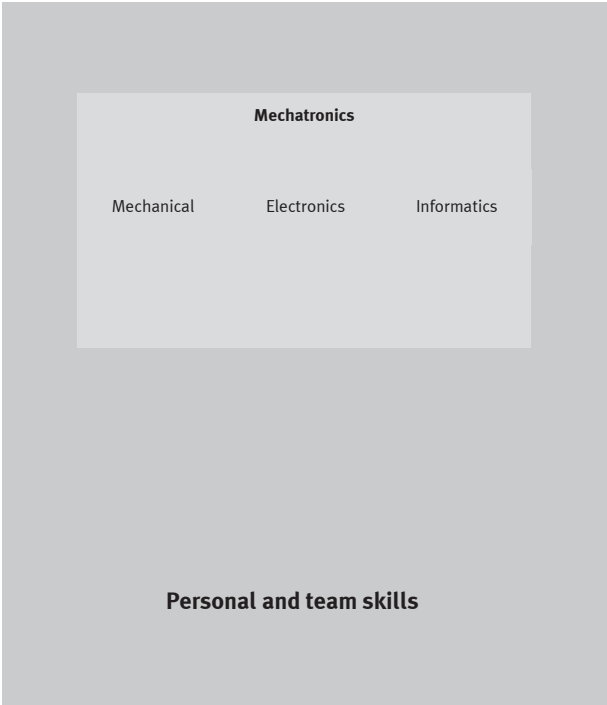


MPS® motivates budding mecha-
tronics specialists to use structured
approaches to find solutions fast.

Why a team of two?

While industry requires that each individual master the different facets of mechatronics, it also recognizes that everyone has their own strengths and weaknesses and that only people working in a team – constantly learning from each other – can master the challenges of Manufacturing Excellence.

The competition shows how essential personal skills and qualities – vital for teamwork – can be improved.



Festo Didactic GmbH & Co. KG

Rechbergstraße 3

73770 Denkendorf

Tel 0711/3467-0

Fax 0711/34754-88500

did@festo.com

www.festo.com/didactic