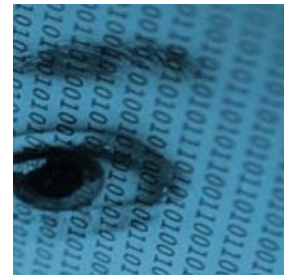


Dear Reader,
 Recently, when surfing on the internet, we stumbled upon an interesting web site promoting a company who specialise in "clearing all your online and offline movements".
 Bearing in mind that most Europeans use computers, mobiles and credit cards on a daily basis, the realisation that our on-line and off-line movements can be traced, even when we think that they cannot, started us thinking.
 According to the Telegraph, a popular English newspaper, "The average Briton is being recorded 3.000 times a week" (a statistic that could probably be applied to other European countries).
 It seems that every telephone call, swipe of a credit or charge card or click of a mouse is being recorded, compiled and stored and this information can be disclosed to the approved legal authorities if required.
 Taking this a step further, in 2008 legislation was passed in the USA, that allows their custom officers to review any information contained in the electric appliances (laptop, telephone, MP3, etc) from anyone who trespasses their border. Whilst many people recognise the need for heightened global security in light of increasing terrorist threats, there are those opposing these activities who are suggesting that we are indeed becoming an "Orwellian society".
 Anyway, keeping with the tracing and tracking theme, welcome to this month's edition of e-Matters, which includes details on our latest Vacuum Pad which definitely won't leave any contact marks behind plus up-to-the-minute news other SMC topics.
 Best wishes
 The European Marketing Centre
 SMC Corporation







NP INNOVATION AT A GLANCE

ZP2 - Mark Free Vacuum Pads Handling without trace is now a reality!

Check out the latest SMC solution for applications requiring precise, mark free, handling for both lightweight and heavy duty applications.
 Designed to not leave any contact traces on the transferred work piece, simply select from three different pad materials options to suit your specific needs.

Our SMC specialist recommends it for:

- ° Transferring Glass Substrate
- ° Solar Cell Manufacturing Equipment
- ° Semiconductor Manufacturing Equipment
- ° FPD Manufacturing Equipment

	Material of the Adsorption Part	Diameters (in mm)	Adsorption Mark	Operating Temperature Range (C°)	Static Friction Ratio
	Halogenated* NBR	4 to 125	None**	5 to 40	0.6
	NBR + Stuck Fluororesin	40 to 125	None**	5 to 60	0.2
	Fluororubber + Stuck Fluororesin			5 to 100	
	PEEK	6 to 32	None**	5 to 40	0.2
	-	20 to 100	None** (it does not even touch the surface)	-5 to 60 (No Freezing)	-



For all ZP2 related information, [please click here](#)

* Halogenated - Treatment given to the pad to improve the rubber surface properties. It reduces the friction coefficient of the rubber using the rubber's reaction with double bonds.
 ** None - No trace of visual marks nor marks either after passing the "vapour test": Apply vapour to the surface to thoroughly check for visual marks.

APRIL'S IMPROVEMENTS

CE S0700 - 5 Port Solenoid Valve

Our S0700 is the most compact 5 port solenoid valve on the market. In its smallest form it's only 7mm wide! Therefore it offers a very effective space saving solution when used with manifolds. But this reduced size does not mean a reduction in performance as this miniature valve offers: high flow capacity (for actuators up to Ø25 mm bore), low power consumption (0.35W) and long life (a minimum of 50 million cycles).

Available in a **wide range of electrical connections** including: Serial transmission system (SMC Series EX600, EX500, and EX250), D-sub connector, Flat ribbon cable, PC wiring system, Terminal block box, Lead wire or Circular connector

Our SMC specialist especially recommends it for: any application that would benefit from downsizing or weight reduction plus a cost effective option as a part of your Energy Saving activities

For all S0700 related information, [please click here](#)



Our focussed approach

When the Dutch based Foundation - Focus on Vision - recently asked us to join an important project to help less fortunate people in the Third World, our experts just couldn't resist the challenge.

According to the World Health Organisation (WHO), around one billion people in low-income countries need glasses but lack either an ophthalmic infrastructure or the money to pay for glasses.

Working alongside Focus on Vision's other selected project partners OTB, Mecon and ART, the challenge was to help develop and manufacture optical glasses, where the user can adjust the lenses to meet their specific needs, for less than 1 Euro each.

Although this project has provided the working group with lots of technical and technological obstacles to overcome, we are extremely pleased to confirm that the first shipment of low cost, but fully adjustable, glasses has already been distributed in Ghana and Tanzania.

If you would like to read the complete Focus on Vision article, [please click here](#).

To know more about the Focus on Vision Foundation [please click here](#).

EU Machinery Directive Leaflet

Research has shown that in Europe, a work related accident occurs every five seconds!

This exceptionally high figure results in hundreds of millions of lost working days, with the longer term impact of several million people who are no longer able to work again due to chronic disability!

Therefore, the European Commission takes a keen interest in all issues related to occupational health and safety including the introduction of various EU legislation including comprehensive Health and Safety Directives.

The aims of these directives are twofold: to ensure workers' health, safety and well-being, and to maintain the well-being and productivity of businesses. The basis of the directives is from scientific and technical advice from across the EU.

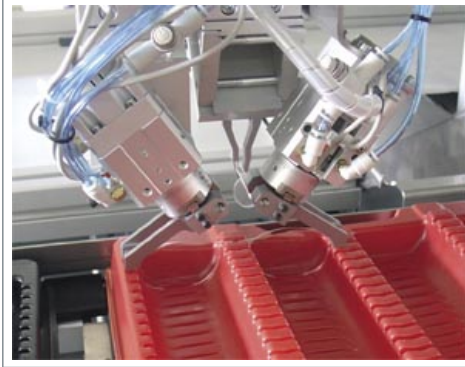
With this in mind, some of you may be aware of the European Machinery Directive 2006/42/EC which came into force at the end of December 2009

To help our customers we have recently completed an easy to read overview leaflet which highlights the main safety standards which need to be met in relation to machine safety.

Whilst this leaflet is not intended to replace the European Commissions official documentation on this important Directive, we hope that it will act as a general guide for those of you who are not familiar with this new legislation.



For more information on our EU Machinery Directive Leaflet, [please click here](#)



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SMC does not share, rent, sell, or otherwise disclose your personal data to third parties under any circumstances.

In compliance with the Directive 95/46/EC of the European Parliament you will be able at any moment of exercising your rights of access, rectification, cancellation or opposition acknowledge in the mentioned law by contacting SMC on emcmarketing@smc.smces.es

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