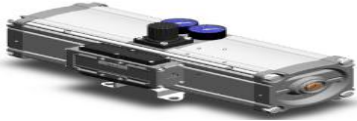
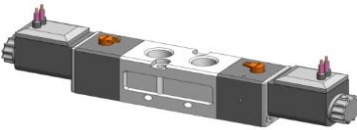

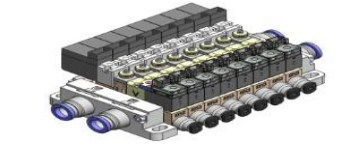
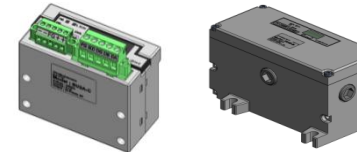






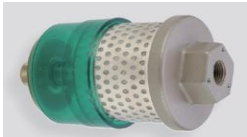


# Upcoming new items 2014

Dated on March 26, 2014


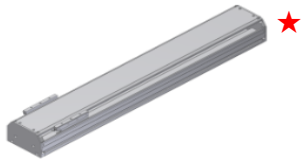
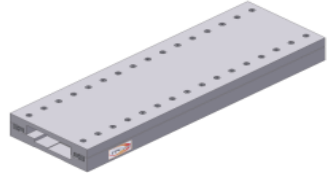
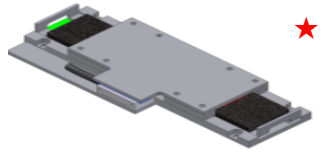
## A. Upcoming pneumatic products

Item	Image	Sales points	Status	Launching	Remarks
Air booster (ABS100)		<ul style="list-style-type: none"> <li>• Quicker air filling and better durability.</li> <li>• Competitive price.</li> </ul>	• Under test-run	May 2014	
Skinner type DS solenoid valve (RDS3000,5000)		<ul style="list-style-type: none"> <li>• Easy replacement of coil</li> </ul>	• Under drawing	September 2014	Skinner type
Miniature 3PORT Solenoid valve (DK100)		<ul style="list-style-type: none"> <li>• Higher flux and better power saving than DR100</li> <li>• Higher frequency(over22Hz)</li> </ul>	• Initial production	May 2014	Flow P-A-R type
Latching type Vacuum ejector		<ul style="list-style-type: none"> <li>• Self hold circuit</li> </ul>	• Durability testing	April 2014	Handler in semiconductor lines
SI 32 contacts (RS1000,2000, 4000)		<ul style="list-style-type: none"> <li>• Expanding line-up from previous 16 to 32 contacts.</li> </ul>	• Under test-run	July 2014	CC-Link Applicable unit
2port valve (Bigger size)		<ul style="list-style-type: none"> <li>• 1 ¼", 1 ½", 2" added</li> </ul>	• Ready to launch	May 2014	1/8~2" available


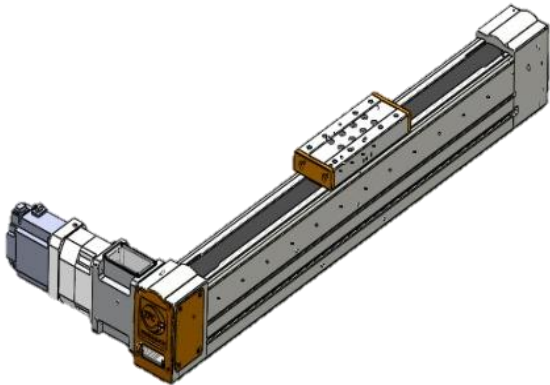
Item	Image	Sales points	Status	Launching	Remarks
Rodless cylinder (Ø20,25)		<ul style="list-style-type: none"> <li>Compatible with competitor 'S' and competitive price.</li> </ul>	<ul style="list-style-type: none"> <li>Durability testing</li> </ul>	August 2014	
Flux sensor (Digital)		<ul style="list-style-type: none"> <li>1<sup>st</sup> air, flux 12,000 l/min, Port 1"</li> </ul>	<ul style="list-style-type: none"> <li>Drawing</li> </ul>	December 2014	
TCP Ø4		<ul style="list-style-type: none"> <li>High speed</li> <li>Small size</li> </ul>	<ul style="list-style-type: none"> <li>Drawing</li> </ul>	May 2014	
NRT 10,20 (Compact rotary)		<ul style="list-style-type: none"> <li>Compatible with competitor 'S'</li> <li>Precise positioning</li> </ul>	<ul style="list-style-type: none"> <li>Test run</li> </ul>	May 2014	
Booster cylinder		<ul style="list-style-type: none"> <li>Converting pneumatic to hydraulic to boost air pressure</li> <li>Boosting min 6 to max 36 times of air pressure.</li> </ul>	<ul style="list-style-type: none"> <li>Performance testing</li> </ul>	June 2014	Ø100, 150 Boosting ratio 1:6~1:36
Exhaust cleaner		<ul style="list-style-type: none"> <li>Noise insulation: over 35dB</li> <li>Oil mist collection : 99.9%</li> </ul>	<ul style="list-style-type: none"> <li>Performance testing</li> </ul>	May 2014	Port size 1/8, 1/4, 1/2"

## B. Upcoming motion products

### a. Linear area

Project	Coreless Type	T-Track	Phoenix	Pluto
Item	 <p>Coreless linear motor</p>	 <p>TLS linear robot series</p>	 <p>Compact nano stage</p>	 <p>Miniature linear stage</p>
Development	New item	Upgrade	New item	New item
Sales points	<ul style="list-style-type: none"> <li>▪ Middle and large sizes (8 Models)</li> <li>▪ Superior performance</li> <li>▪ Customizing</li> </ul>	<ul style="list-style-type: none"> <li>▪ TPC linear motor used</li> <li>▪ TBI LM guide used</li> <li>▪ Panasonic Driver used</li> <li>▪ High speed carrier with reasonable price.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Height : less 40mm</li> <li>▪ Stroke <math>\pm 140\text{mm}</math></li> <li>▪ Control degree : less <math>\pm 1.0\mu\text{m}</math></li> </ul>	<ul style="list-style-type: none"> <li>▪ Moving magnet type</li> <li>▪ Height : 10, 14, 16mm</li> <li>▪ Stroke : 15~ 120mm</li> <li>▪ Customizing</li> </ul>
Target market	<ul style="list-style-type: none"> <li>▪ Semiconductor/LCD production equipment</li> </ul>	<ul style="list-style-type: none"> <li>▪ FA equipment</li> </ul>	<ul style="list-style-type: none"> <li>▪ Semiconductor/LCD production equipment</li> </ul>	<ul style="list-style-type: none"> <li>▪ Semiconductor/LED/Bio industries</li> </ul>
Status	Development finished	Development finished	Development finished	Development finished
Launching	April 2014	Launched	May 2014	April 2014
Remarks			3 models will be added	4 model will be added

## b. Cartesian robot area

Series	NQB40 / 60 / 80 / 100	
Cartesian robot		
Type of development	Upgrade	
Sales points	<ul style="list-style-type: none"> <li>▪ Competitive price.</li> <li>▪ Improved design.</li> <li>▪ Grease injection to moving block.</li> <li>▪ Tension of belt can be adjusted on idle pulley box.</li> <li>▪ Auto sensor(outer mounted integral type).</li> </ul>	<ul style="list-style-type: none"> <li>▪ Light weight</li> <li>▪ Transparent window on pulley box.</li> <li>▪ Improved belt</li> </ul>
Launching schedule	August 2014	