

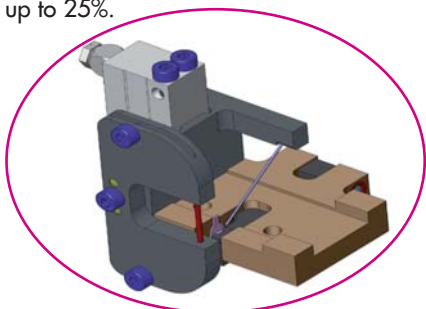
Rasco News

A **DOVER** COMPANY

Throughput Increase SO2000 Post Contact Site Buffer

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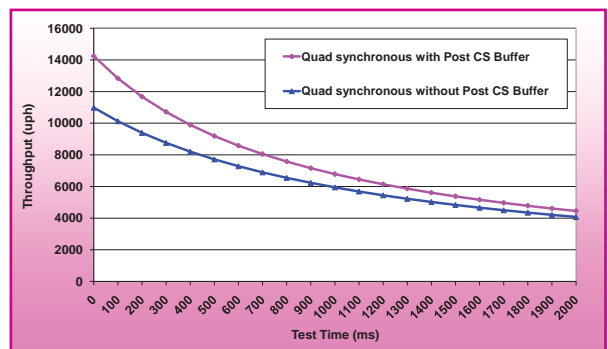
High throughput is one of the most important demands in a handler. To fulfill this requirement Rasco now offers a redesign of the SO2000 handler. A post contact site buffer is integrated between the plunger exit and sorter to optimize the process flow. The effect is a faster transport of the devices and thus a throughput increase of up to 25%.



SO2000 post CS buffer assembly

The higher throughput is especially achieved for dual vertical and quad applications in synchronous mode, independent from the plunger type, for real-plunge-to-board (RPTB) as well as for plunge-to-board (PTB). The Post CS Buffer can be used for all package types. A complete upgrade consists of the buffer assembly, a new output segment and a software update. An upgrade of existing SO2000 handlers is possible from software version V4.08 on. As of January 2008 the post CS buffer is included in the standard equipment of each SO2000 Handler.

Throughput Comparison SO2000 with/without PCSB



Customer Benefit Summary:

- Throughput increase up to 25% (e.g. at synchronous mode)
- Improvement of existing investment
- Lower cost of test

SO3000 Soak Module

The performance of the SO3000 Test-In-Strip handler has been extended by a new soak module between loader and base system. Short test times and long soak times of the strips lead to a throughput decrease because of higher soak capacity requirement. The new SO3000 soak module offers a solution by providing additional soak capacity to guarantee high throughput in spite of a short test time and a long soak time.

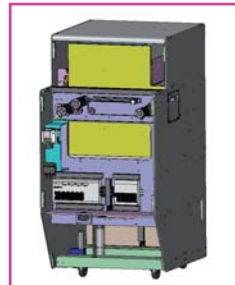
The soak module, integrated in the SO3000 base system, offers a soak capacity of 8 strips, which is largely sufficient for standard performances. For special applications, however, e.g. testing with short test times and long soak times, more soak capacity is required to avoid any throughput decrease. The new separate soak module between loader and base system provides an additional soak capacity of 50 strips, so that the throughput can be significantly increased.

The principle: The strips are collected in an integrated slotted magazine which is inside the soak chamber. This magazine serves as a buffer where the strips are soaked by „first in - first out“ principle.

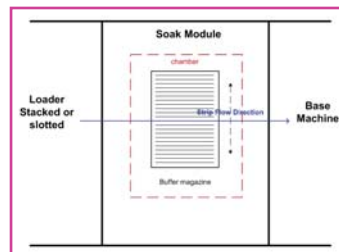
Specification: Tri-temp mode -60°C ...+160°C,
Temperature accuracy $\pm 2^{\circ}\text{C}$
Temperature stability $\pm 1^{\circ}\text{C}$
Strip dimensions: Length 76...280 mm
width 25...102 mm (according to base).
Outside dimensions of the complete soak module:
600 x 830 x 1250 mm (width x depth x height).

Customer Benefit Summary:

- Additional soak capacity of 50 strips
- High throughput in spite of long soak time and short test time
- Lower Cost of Test



SO3000 soak module



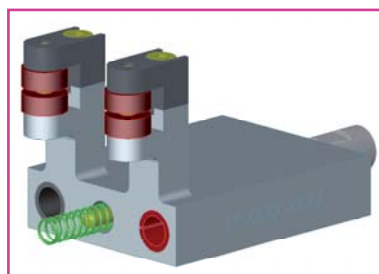
SO3000 soak module principle

SO1000 New Plunger Opener

A cost reduction of 77% is the result of Rasco's continuous product improvement for a higher handling performance and lower cost of test. The intelligent redesign of the SO1000 plunger opener is only one example, which offers several advantages for the customer.

It is no longer necessary to replace the complete plunger-opener-assembly but only the single consumable parts which already means a significant cost reduction.

The rollers as well as other worn-out parts like springs and bushings can easily be replaced by a removable block. A guide pin has been added to guide the compression spring.



SO1000 plunger opener

Customer Benefit Summary:

- Easy replacement of single consumable parts instead of the complete opener assembly
- Increased lifetime of the plunger head lever and roller because of a bigger roller surface
- Total cost reduction of 77%

Rasco USA

Introducing ... Pat Cochran
as new Sales Manager USA

After completing his degree at Texas A&M University, Mr. Cochran worked for Motorola's Automotive and Industrial Electronics division designing production validation testers. Since 2000 Mr Cochran has been responsible for Freescale Semiconductor (Motorola SPS) final test handler development and strategy. Mr. Cochran has in-depth knowledge of back end assembly and test processes, covering all aspects of final test handlers. In January 2008 Mr. Cochran joined Rasco with responsibility for US sales. Cordially welcome!



Rasco Asia

Carsten Wirth has been named Vice President Sales & Marketing.

Since January 2008, Carsten Wirth is responsible for Rasco's worldwide sales and marketing activities. He is still acting as Vice President Asia Operations.

Don Tok has been appointed Director Service Asia Pacific.

From January 2008 on Don Tok will be responsible for all service activities in Asia. His technical background, sales and management experience as Rasco's Account Manager in Singapore, Batam and Malacca are an excellent qualification for this job.

NEWSFLASH

SO2000 Rasco Vision

First complete Rasco in-house designed Vision System sold, including Mark, 3D- and Intape-Inspection with conversion kit for SOT 63 mil devices.

Semicon China

March 18...20, 2008

Shanghai New International Expo Centre (SNIEC)

Rasco: Hall W2, booth #2824