

Servo answers: Your key to new business and profits.

SERVO 3000 DRRS

DIGITAL
RE-REGISTER
SYSTEM



What is the Servo3000?

The Servo3000 is an easily attached bolt on accessory for web presses. It improves the quality, increases the speed, and lowers the waste on current jobs. It also enables your company to produce new products for new business and increase profit from existing business.

What does the Servo3000 do?

The Servo3000 improves press performance by combining a registration system with a web tension system. It allows your press to register pre-printed rolls with hair splitting accuracy. It also upgrades your press's infeed / web tension control to the same standard found only on top-end servo presses.

ROTARY TECHNOLOGIES, INC.



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*Registering a pre-printed web doubles the press' color and converting capacity.
Featured on a Mark Andy LP3000.*



*The Servo3000 can register a 2nd pre-printed web to the web already running in the press.
Featured on a Gallus EM 340.*



*Laminating a pre-printed web is a simple way to produce coupons, booklets, and game pieces.
Featured on an Aquaflex InstaPrep.*

What new product can I produce with the Servo3000?

Any job could be produced on your press. The Servo3000 makes this possible with unlimited colors and converting stations. For example, when a press can register pre-printed rolls, a six color press can produce 12 color work on a second pass and 18 color work on a third pass. Color capacity is no longer an obstacle.

More options... Laminate a pre-printed web to the web in the press. This is a great way to produce instant redeemable coupons, extended content labels, and game pieces.

... Convert rolls printed from another company. For example, a roll of printed holograms can be converted into a tag for brand authentication.

... New products are only limited by imagination.

*"To be profitable your equipment must be easy to use and produce low waste. Rotary's equipment gives us that and our QC department is astounded by the tight tolerances."
Steve Posey, Plant Engineer
RayPress Corp., Birmingham, AL*



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The Servo3000, as a repair machine, can easily re-run a roll to add a missing line of type or fix a mistake. Featured on a Mark Andy 2200.



Improving press performance, the Servo3000 is a top-end web tension system. Featured on a Webtron 1000.



As a web tension system, the Servo3000 will improve press registration and lower material waste. Featured on a Proheteer press.

What is another benefit of re-registration?

It's a repair machine. A mistake is bound to happen such as leaving off the net weight of a product or printing the wrong barcode. The Servo3000 can fix those mishaps instead of throwing your profits away.

How will the Servo3000 increase my profits on existing business?

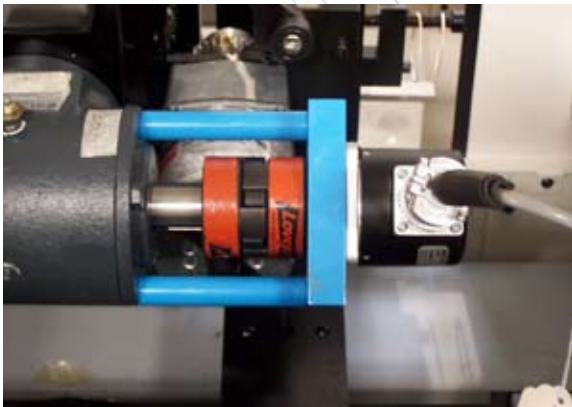
Simply put, you'll get more sellable product per roll. Your press will regain register quicker on restarts, roll changes, splices, and speed changes. Also the press will maintain better registration throughout the press run. How much better depends on the age and condition of the press. Even a new press will have significant and measurable improvements above the press's specifications.

Is there a guarantee?

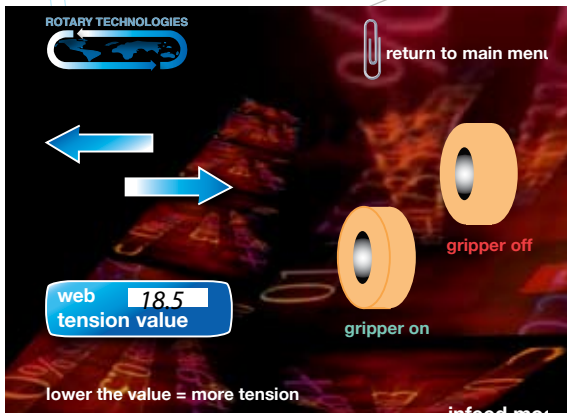
Yes, there's a 100% money back performance guarantee. Our sale's contract states that if the Servo3000 does not maintain $\pm.005$ " re-registration at full press speed, the unit may be returned for a full refund.



A close up view of the coated pacing roll and gripper wheels to prevent web slippage. Also shown is the print mark sensor.



The Servo3000 is supplied with an encoder coupled to the press. The encoder signal represents press speed and press position.



The Infeed Mode screen lets the operator set precise web tension by simply entering a number between 0.0 and 25.0.

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How does the Servo3000 work?

The Servo3000 has a specially coated, servo driven, pacing roller that feeds the material into the press. This roller, together with gripper wheels acting as a nip, provides positive traction to prevent any slippage.

The Servo3000 follows the press speed by receiving an encoder signal attached to the press.

In *Infeed Mode* the Servo3000 is a web tension system that precisely paces the material into the press. The material can be paced at a speed proportionate to press speed. The slower the proportionate speed, the more web tension; the higher the proportionate speed, the less web tension.

A scale is used to adjust the proportionate speed - web tension. The scale has 250 micro steps to cover the complete tension range from thin films to tag stocks. This may sound complicated; however, to the press operator, it's a setting between 0.0 and 25.0. Furthermore, since these are digital settings, they are completely repeatable for different materials and are immune to temperature, run-time, unwind roll diameter, and any other factor that may effect web tension.



Rolls printed on a HP Indigo and other digital presses can be converted on your existing press. Featured on a Rotopress 3513.



The Servo3000 is a true press upgrade, regardless of press age or manufacturer. Featured on an Aquaflex ELS servo press.

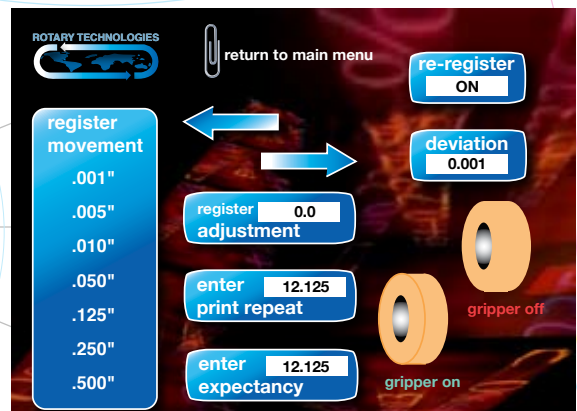


The Servo3000 can be integrated as the registration system for custom converting equipment. Featured on a hot foil stamp press.

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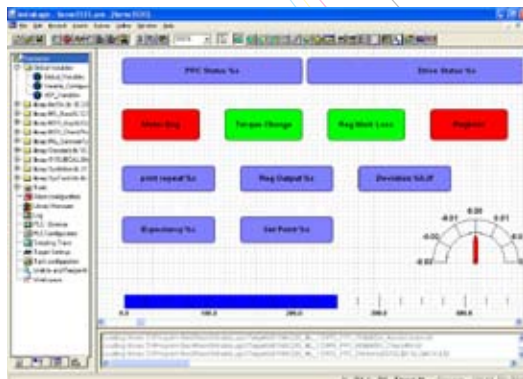
In *Re-register Mode* the Servo3000 can register pre-printed material on a press. A print mark sensor attached to the Servo3000 reads print marks on the web. The Servo3000 paces the web so the print marks are locked in register to the press. The press operator then makes the press ready as for any job.



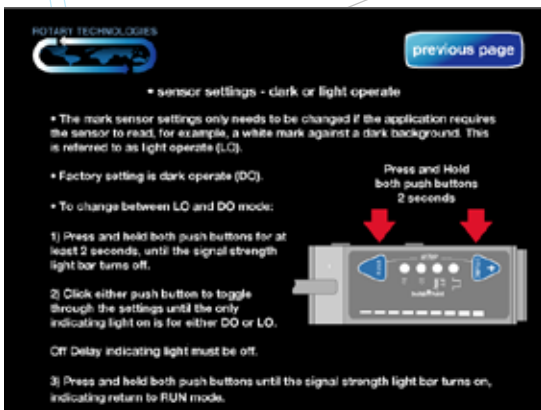
Operations are made via a color touch screen in a straight forward manner. The Servo3000 is enjoyably easy to learn.



Using ServoTalk, Rotary technicians have a powerful tool to support customers worldwide.



The visualization screen in ServoTalk allows Rotary technicians to view machine conditions in seconds.



This OnScreen Manual page demonstrates how to set the print mark sensor.



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How many units are in the field?

There are well over 100 units operating in North America, South America, Europe, Asia, Africa, and Australia.

What kind of product support is there?

ServoTalk and the OnScreen Manual support our customers worldwide.

ServoTalk is our remote communication tool. It's like having a technician press side without the wait. This diagnostic software will have you quickly running in minutes via phone line or Internet.

The OnScreen Manual tool puts all machine documentation, plus helpful hints, in an easy to navigate format right on the operator's screen. There are no paper manuals to lose; it's always where you need it most – at the machine.

Are the operator screens available in different languages?

Yes, they are currently available in English and Spanish.

*"The Servo3000 is bullet proof."
Mark McGory, President
Jaymac, Inc., Sandusky, OH*

Our best guarantee is what our customers say.

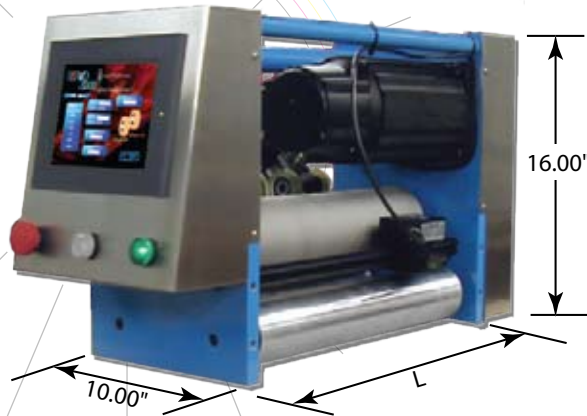
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"We've been using the Servo3000 for over three years with great success. It's allowed us to capture new work we could not have done before. The machine performs better than expected."
*Eustacio Suarez, Plant Manager
Forteco., Bogota, Colombia*

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Mechanical				Electrical	Air
Web Width	L	Guards	Weight	200-480 VAC 3 Phase 15 Amps	Shop Air
10"	14"	Front 4.5"	150 lbs.		
16"	20"	Back 3"	Approx.		
20.5"	24.5"				

Discover the benefits these companies know.



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AAA Label
Ampersand Label
Apple Converting
Aquaflex
Arlington Press
Avery Dennison
Asesores Impresores
Axiom Label Group
Aztech Machinery
Bay Area Label
Brady Corp.
Boca Systems
Bonham Label
CCL Label
Cellotape
Cimerron Label
CLC Label Craft
Collotype Label
Consolidated Label

Creative Label
Datatel Resources
Denny Brothers
Diagraph – ITW
Dow Industries
Fetter Printing
Flexo Pacifico
Flexolutions
Formularios Standard
Forteco
GM Nameplate
Grand Rapids Label
Graphic Communications
Innova Packaging
Jamac, Inc.
Kenilworth Products
Label Art
Label Solutions
Label Systems
Labels Tags & Inserts (LTI)
Labels & Decals
Lion Label
Litho America
Lofton Label

Lotus Labels
LTI Printing
Mark Andy
McDowell Label
North State Packaging
Novel Print
Performance Label
Pharmaceutic Litho & Label
Polygrafica
Profecta Label
Pro Label
Propheteer International
Opsec Security
RayPress Corp.
Redfield & Company
Relizon
RR Donnelley
Scientific Games
Sev-rend
Sterion Corp.
Tape & Label Converters
Turner Label
Unilam
Varitech Gaming
Ward/Kraft
Wayne Trademark
Weber Marking Systems
Worldwide Packaging
WS Packaging Group



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