

Ink Leveler

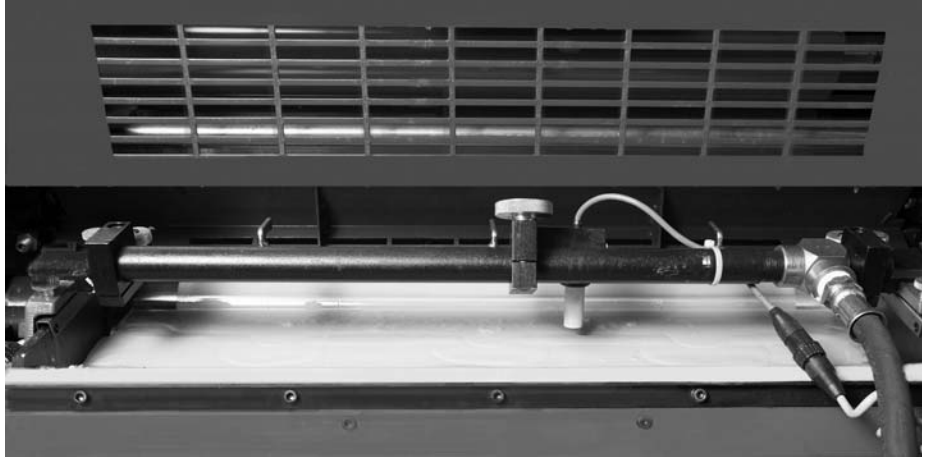
Innovative – Yet Simple

Simplicity – that's the key to Support Products' Ink Leveler. You get highly-sophisticated technology in a product design that is simple and uncomplicated, meaning easy installation and low maintenance for your press crew.

You don't need specialized service personnel, and you won't be worrying about electronics that can be fouled by the pressroom environment. Because of its low profile, there's no interference with your roller changes or adjustments.

The large valve orifice provides you with twice as much ink flow capacity as our competitors' levelers, allowing you to operate at lower pressure – thus reducing ink shear while maintaining original tack.

We believe our simplistic approach in designing the Ink Leveler is directly related to its high reliability in today's marketplace. Support Products' Ink Levelers are used in the largest pressrooms in America, and they are relied upon in the smallest of print shops as well.



The Support Products Ink Leveler uses sophisticated technology while maintaining the most simple product design on the market.

Product Specifications

ELECTRICAL

- ▶ 115 VAC
- ▶ 230 VAC
- ▶ 24 VDC
- ▶ 1/4 amp
- ▶ 50/60 Hz Cycle

AIR

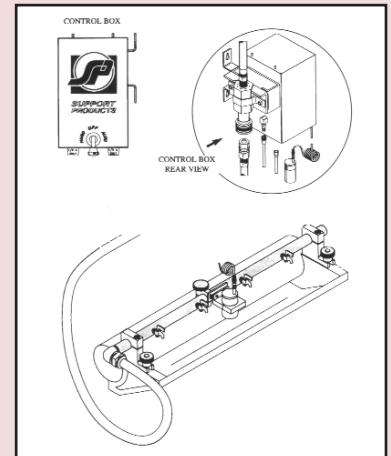
- ▶ 80-100 PSI

MAIN INK VALVE

- ▶ 1/2" Full Port
- ▶ Air-Operated Open and Close
- ▶ Rated to 3000 PSI
- ▶ Fail Close to Prevent Ink from Overfilling

INK HOSE

- ▶ Flexible 1/2" Supply Line
- ▶ Rated to 3000 PSI



The Support Products Ink Leveler boasts a 1/2" port ball valve which maintains low pressure and results in maximum flow. Valve is rated at 3000 PSI. Our unique valve actuator creates no side loading on the valve. (Side loading is the main cause of valve failure.)

The ink manifold has spigots that can be shut off manually to run a split fountain. The complete system includes a standard three (3) position electrical control switch with HAND/OFF/AUTO settings.

Bustle Wheels

Worry-Free Register Correction

Standard Bustle Wheels

Support Products' Bustle Wheels correct your print register problems and can be purchased individually or as a Bustle Wheel System. With easy installation and adjusting, you won't need any special mounting or adjusting tools. Our Bustle Wheels feature:

- ▶ Fingertip Control
- ▶ Easy Mounting
- ▶ Large Wheels – resulting in longer bearing life

Air Bustle Systems

In situations where you don't have a gutter in which to place our standard Bustle Wheels, you need Support Products' Air Bustle Wheel System to correct print register problems. The non-marking air flow system creates a pocket of air between the mechanical wheel and the web – resulting in the “bustling” effect.

Place the Air Bustle System anywhere on the web without marking or tracking onto your printed product. Each Air Bustle bar has its own regulator, and is recommended for use on 40 lb. stock and lighter.

The following components are included in the Support Products Air Bustle Wheel System: Air Bustle Wheel, Side Frame Mounting Hardware, a one-inch OD Aluminum Mounting Tube, Air Regulator, Gauge Assembly, and Manifold with On/Off Switch.

Air Pressure Specifications:

- ▶ At 15 PSI: .6 CFM per Wheel
- ▶ At 32 PSI: 1.1 CFM per Wheel

Electrically Remote-Controlled Bustle Wheel Systems

If control from the unit or the console is what you need, then the Support Products' Electrically Remote-Controlled Bustle Wheel System is for you.

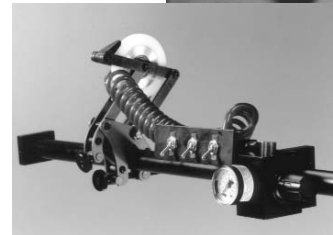
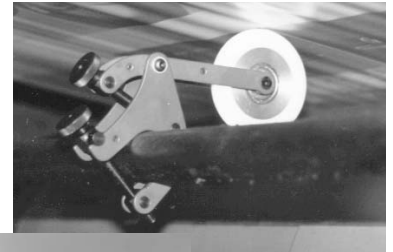
Gearhead motors are activated from the remote console and move the wheels toward or away from the web. By simply removing one lock pin, you can remove the entire unit from the press. An optional sidelay operates from gear-side to operator-side of the press.

This System comes complete with the following: Bustle Wheels, Side Frame Mounting Hardware, a one-inch Steel Mounting Bar, Air Regulator, and Gauge Assembly.

Mechanically Remote-Controlled Bustle Wheel Systems

Most new presses are equipped with guarding and/or doors which may prevent access to the bustle wheel when the press is running.

Our Mechanically Remote-Controlled Bustle Wheel System is an economical solution to this common problem. When using our mechanically remote system, the operator is able to vary the amount of bustle from a simple control panel mounted on the side of the print unit. This feature is available on our standard or air bustle wheel systems.



Support Products' Standard Bustle Wheel System is shown above, and at left is the Support Products Air Bustle Wheel System.



Support Products' Mechanically Remote-Controlled Bustle Wheel System is shown here on the Air Bustle Wheel. The feature is available on Support Products' standard Bustle Wheel Systems as well.

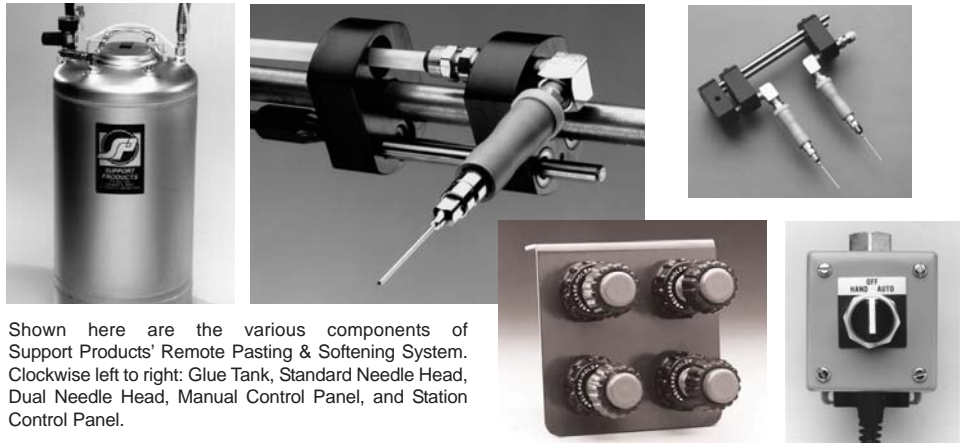
Remote Pasting & Softening System

Simple and Efficient On-Press Pasting

Support Products' innovative Remote Pasting & Softening System reduces your makeready time and spoilage – enabling you to more efficiently paste or soften signatures on web press folders and finishing lines.

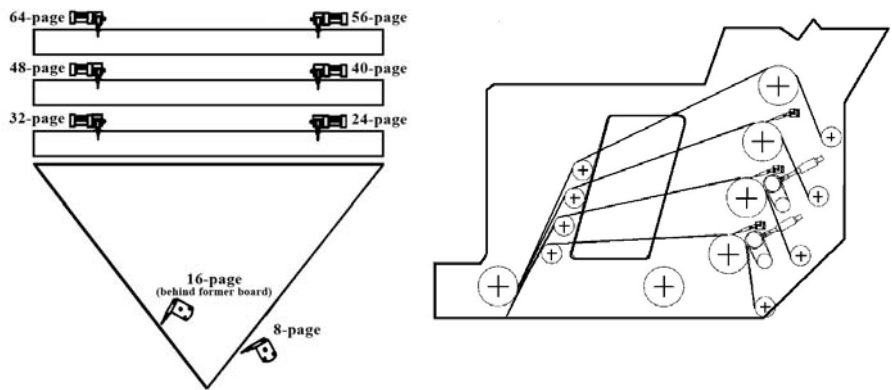
Our small applicator assembly allows placement in the tightest of locations. And, almost any required head position is possible, with the adjustment controlled from the remote station.

Additional Support Products options can be customized to your specific requirements and include a Dual Tank Assembly to eliminate downtime while refilling the glue tank; a Dual Needle Head with 3/4" - 2" range; and a Dripless System to prevent dripping on the rollers and folder.



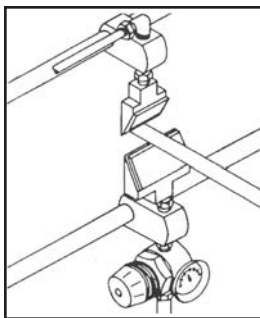
Shown here are the various components of Support Products' Remote Pasting & Softening System. Clockwise left to right: Glue Tank, Standard Needle Head, Dual Needle Head, Manual Control Panel, and Station Control Panel.

Typical Glue Head Installation



Remoistenable Gluing System

The Support Products Remoistenable Gluing System enables you to apply a continuous strip of remoistenable glue – from 1/8" to 7/8" wide – anywhere across the width of the web. With this in-line operation, you eliminate additional bindery work. Quickly and easily installed, this system is comprised of the following:



- ▶ Glue Head with Extra Gaskets
- ▶ Air Bar with Solenoid
- ▶ Glue Line
- ▶ Air Tank

Innovative Gluing Technology

Are you relying on off-line equipment to meet your gluing requirements? You can eliminate costly and time-consuming processes by adding the Support Products line of Glue Systems to your pressroom. With our Remote Pasting & Softening System, you reduce makeready time and spoilage. And with our Programmable Gluing System, innovative technology is exactly matched to your product designs and web press characteristics. Both systems far extend your current capabilities and can save you time and money.

The Support Products team of engineers – with their combined 60+ years of experience – are here to help you choose the system to suit your specific needs.

Programmable Gluing System

Technology Matched to Your Product Designs and Press Specs

Our Programmable Gluing System is state-of-the-art, and features cutting-edge technology in four key performance parameters: **Control. Application. Material Supply. Machine Interface.**

Preferred by OEM's and end users alike, Support Products' Programmable Gluing System is completely customizable – matched to your product designs and web press characteristics. You will far extend your current gluing capabilities with the use of this system.

Controller

Now with touch screen programming, the XT-E8/16 controller can drive one (1) to sixteen (16) guns – each applying freely programmable independent glue patterns.

Gluing Guns

Programmable Gluing guns are available as a line or dot nozzle with up to 600 cycles per second and are electrically actuated. The nozzle and solenoid are integrated and the guns are equipped with running fingertip

and ratchet volume adjustment. Guns are recommended for use with permanent, fugitive and resealable glue (in viscosities of 750 cps).

The system is supplied with a diaphragm pump of 1:1 ratio. An encoder is also included – coupled to a precision electro-pneumatic converter and pressure regulator – to maintain the selected glue volume throughout the speed range. Gun mounting brackets (with remote sidelay adjustment), magnetic head-of-product sensor, hardware and cables are also provided.

Product Features

- ▶ Touch Screen Display
- ▶ Automatic Dot/Line Changeover
- ▶ Up to 1000 Glue Patterns Stored
- ▶ Holds Precise Speed and Pressure
- ▶ Automatic Speed Compensation
- ▶ 600 Cycles Per Second
- ▶ Max. Product Speed 3,900 fpm
- ▶ Expandable up to 128 Guns



The Programmable Gluing System from Support Products is shown here. Our technology is exactly matched to your product designs and web press characteristics – ensuring your perfect application.

With the Support Products Programmable Gluing System, you can choose either a line or dot nozzle glue gun – both are electrically actuated and operate at 600 cycles per second. The XT-E8/16 Controller shown below has touch screen programming and can drive one to sixteen guns with individual control.



Expands On-Press Capabilities

We'll guide you every step of the way with technical advice, on-site installation, and training of your press crew. It's that simple. You'll quickly be up and running – immediately saving time and money.

If you have a complex signature gluing requirement, ask us about our customized solutions. Our Former Nose Gluer for example, is made specifically for gluing the center spread of a tear-out booklet.

In addition to our glue systems, you can get your glue and gluing accessories from Support Products as well. We offer needles, needle holders, glue tanks and more. Call us today to discuss your personal gluing needs.

Ask About Our
GLUE NEEDLES
and
ACCESSORIES
for
Support Products'
Glue Systems

Packing Gauge & Blanket Gauge

Simple Solutions for your Complex Problems

Packing Gauge

Improper packing of blankets and plates can cause you a variety of problems in your pressroom, the most obvious being unsatisfactory print quality. Problems also manifest themselves in plate wear, and in extreme cases, web breaks.

You may have been told that a packing gauge does not have to parallel the cylinder axis in order to give a reliable reading. If the bearing surface is too narrow however, the gauge can be canted, giving you a false measurement.



The Support Products Packing Gauge has a bearing surface measuring 3", forcing full contact placement against the blanket or plate.

The swelling that commonly occurs on the end of the blanket – due to water and ink – increases blanket height at the edge. If a reading is taken with the gauge positioned on the swollen edge of the blanket, a misreading will result.

Using the Support Products' Packing Gauge, which is designed to span the swollen blanket edge, you'll get an accurate reading every time.

Blanket Gauge

Improve your press productivity and quality with Support Products' Blanket Gauge. You'll find it's the fastest and most accurate method of measuring blanket-plus-packing thickness on press. If you have a sheetfed or web offset press, our Blanket Gauge is perfect for your pressroom. This gauge greatly reduces lost press time as a result of fewer blanket problems.

The Support Products Blanket Gauge is simple to use and blanket-plus-packing can be measured anywhere on the blanket cylinder with results shown directly on the dial. You'll take measurements in less than one minute per cycle, and receive readings with an accuracy of .005".



Support Products' Blanket Gauge is made of the finest quality aluminum with an anodized finish to protect it from damage in normal use. The dial is jewelled to protect it from travel. Packed in a foam-lined plastic carrying case, the Blanket Gauge includes a long-life lithium battery.



Enlarged to show detail.

Goosenecks, Fountain Dividers, Web Puller, & Powder Dispenser

Must-Haves for Your Pressroom

Goosenecks

A must have on your finishing line or pre-folder, Goosenecks assist in plow folding and in eliminating wrinkles. You can choose from Support Products' complete line of Chainlock, Magnetic, and Clamp Goosenecks each available in 12", 18", 24", and 30". You can purchase additional Gooseneck add-ons including Double Forming Wheels, 9" Cones, Wheel Rollers, and Synthetic or Horse-Hair Brushes.



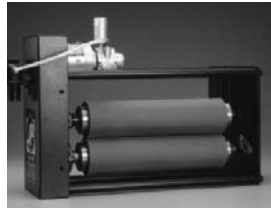
Fountain Dividers

Used where a split fountain is required, Support Products' clamp-on Fountain Dividers provide you with an economical alternative to the traditional fountain separation. These units utilize the standard ink felt, which are available as a supply item. Although many press-size fountain dividers are available upon request, Support Products can customize a new design upon receipt of your sample, technical drawing, or fountain dimensions.



Web Puller

Support Products' air-driven Web Puller tends the web while the press is in operation at thread speed. Allowing your press crew to perform additional duties, the Web Puller is simple to install, requires little maintenance and provides years of trouble-free service.



Narrow Width Powder Dispenser

There's no need for your Powder Dispenser to be the full width of the web or sheeter. Support Products offers a Narrow Width Powder Dispenser to enhance stacking of any shingled product stream on any conveyor system, and to improve shrink-wrap performance. You'll also achieve reduced static and marking when using the Support Products Powder Dispenser. Available in 6" or 11" widths, the Powder Dispenser can be used in many applications, including: web press, gravure and offset bindery, bindery folders, stream feeders, and more.



We Have What You Need !

Don't forget that in addition to our auxiliary web press equipment, Support Products offers a full line of "Must-Haves" for your pre-press, pressroom and bindery needs. We are a master distributor for such respected brands as Fiskars, Olfa, X-ACTO, HS Boyd, 3M, Lamson, Hyde, Burnishine Products, Gaebel, Sprayway Aerosols, Myron L, Hanna Instruments, and many more. We also carry numerous products under our own Support Products brand.

A sampling of supplies from Support Products includes:

- ▶ Loupes and Linen Testers
- ▶ Graphic Tools
- ▶ Blades, Cutters and Scissors
- ▶ Line Gauges
- ▶ Specialty Rulers
- ▶ Waxes and Adhesives
- ▶ Darkroom Supplies
- ▶ Register Controls
- ▶ Opaquing Supplies
- ▶ Pens, Markers, 3M Tapes
- ▶ Litho Perf, Score, Slit, Snap
- ▶ Ink Knives and Tools
- ▶ Dampening Covers/Sleeves
- ▶ Equipment Soak Pads
- ▶ Roll Strippers
- ▶ Glue, Pads, Glue Needles
- ▶ Wipes and Wipers
- ▶ pH and Conductivity Meters
- ▶ Sponges
- ▶ Roller Cleaners
- ▶ Hand Cleaners
- ▶ First Aid Kits
- ▶ Safety Stations

Counters & Data Collection Devices

Reliable, Accurate and Versatile Data Collection

With today's tight budgets, accurate piece and batch counts are essential in your pressroom and bindery. Support Products' vast array of reliable counters, data collection and marking devices serve a variety of your needs – with versatility and ease of use.

Counters

Several batch counting systems are available from Support Products. Whether you need a six-digit or eight-digit display, are looking to simply control waste, or need a sophisticated system that comes with a variety of options, you'll find exactly what you need at Support Products. We'll guide you to the system most suited for your individual needs.



Input Devices

The QTMS Copy Counter III detects and counts the shingled edge of your finished product – via conveyer or stacker. If you prefer, this counter can be used with your totalizer system.

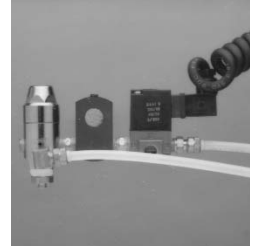
For use on your non-shingled applications, The Microscan II detects the gap space between your material. This six-digit counter with infrared scanner is compact and includes LED display.

The Proximity Detector is capable of reading the revolution of a piece of ferrous material. By mounting the detector close enough to read the rotations, you get a count of every unit that passes.

Marking Devices

Support Products' Spray Marking System enables you to use visible or U.V. dye to mark bad products or to batch your special runs. The system

includes a pressure tank with fittings and spray marking heads, and it can receive output signals from the operator-controlled switch or from an automatic signal from a display counter with an output function (such as Support Products' Batch Counters).



You can use Support Products' Impulse Marking System to mark or kick-out



batches of product in a stacker, mark on a web prior to cutoff for batching in a sheeter, or you can interface it with our Stop Stream Separator to place a gap at pre-determined intervals in a shingled stream of product.



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