



WORKHORSE PRODUCTS

PRECISION SCREEN PRINTING EQUIPMENT

Owner's Manual

ACCU-STRETCH



67-1530 REV 418

Table of Contents

I. Introduction & Safety Information.....	3
II. Features & Specifications.....	4
III. Setup.....	5
IV. Controls.....	6
V. Maintenance.....	7
V. Limited Warranty.....	8

Introduction & Safety

Congratulations on your purchase of the ACCU-STRETCH. We'd like to thank you for choosing Workhorse Products!

Please check the contents of the packaging for damages immediately. While our packaging has been designed to handle normal shipping conditions, we cannot foresee damages caused by the carrier and are not responsible for damages that occur during transportation.

If shipping damage has occurred, immediately contact the carrier to file a claim and contact Workhorse Products at 800-778-8779.

The Importance of the Owner's Manual:

The purpose of the Owner's Manual is to familiarize you with the parts and operations of the ACCU-STRETCH. There are step-by-step instructions to set up this machine as well as additional information that will help with the operation and maintenance.

Safety

The Accu-Stretch fabric stretching system works with air pressure from 0psi to 110psi. IT IS VERY IMPORTANT to read and understand the fabric manufacturer's fabric specifications. Exceeding the fabric's maximum tension levels may result in damage to the equipment or injury to the operator. Workhorse Products is not responsible for damage or injury caused by improper use of equipment.

Modular Upgrades:

When extending the dimensions past 60" one extra stretch box per side being extended is required.

Features and Specifications

Features:

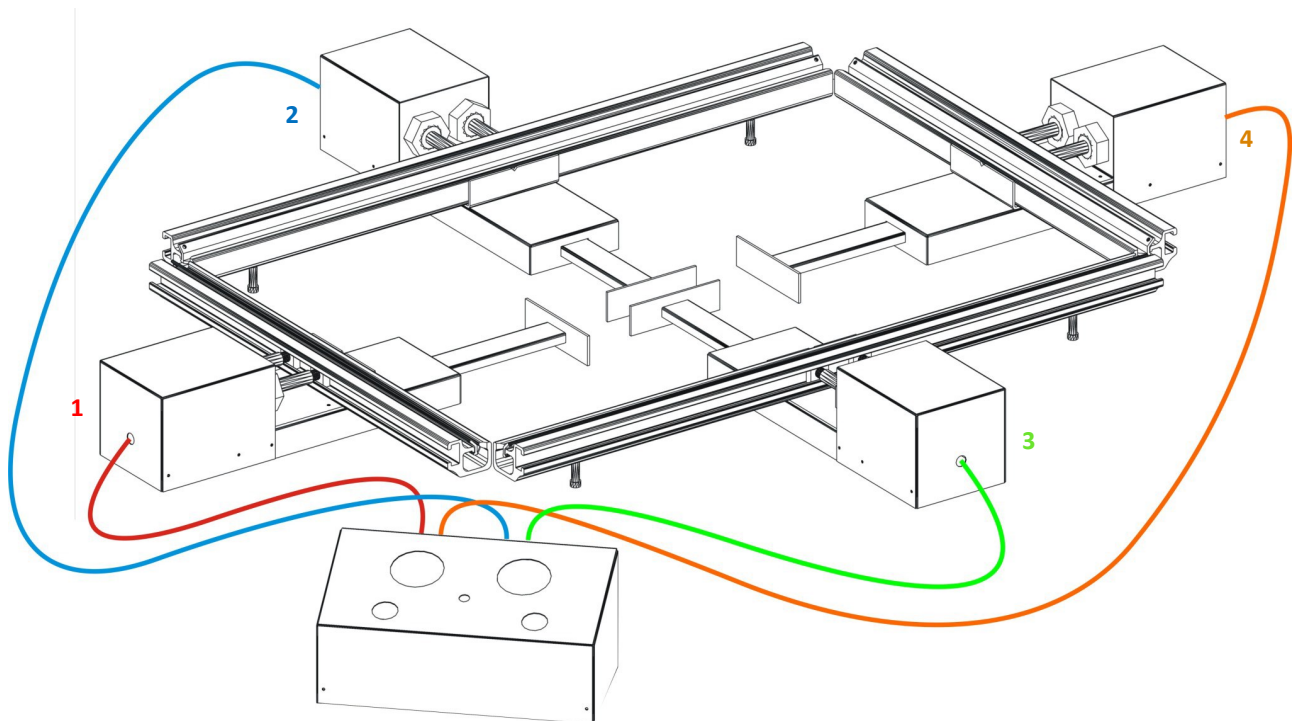
- 9 sizes of complete Accu-Stretch systems.
- 5 sizes of Accu-Stretch upgrades.
- Adjustable down to 10" x 15" (24 x 38cm).
- Infinite independent warp and weft tension controls.
- Brace-bar pre-bows frames.
- Self-equalizing clamps for even tension.
- Compatible with all stretch and glue frames.
- Reliable pneumatic design.
- Easy-loading stretch-clamps.
- Gentle PVC coated locking bars.
- Stretch directly from fabric bolt.

Specifications:

Model	Dimensions
AS-2436	24" x 36"
AS-2448	24" x 48"
AS-2460	24" x 60"
AS-3636	36" x 36"
AS-3648	36" x 48"
AS-3660	36" x 60"
AS-4848	48" x 48"
AS-4860	48" x 60"
AS-6060	60" x 60"

Setup

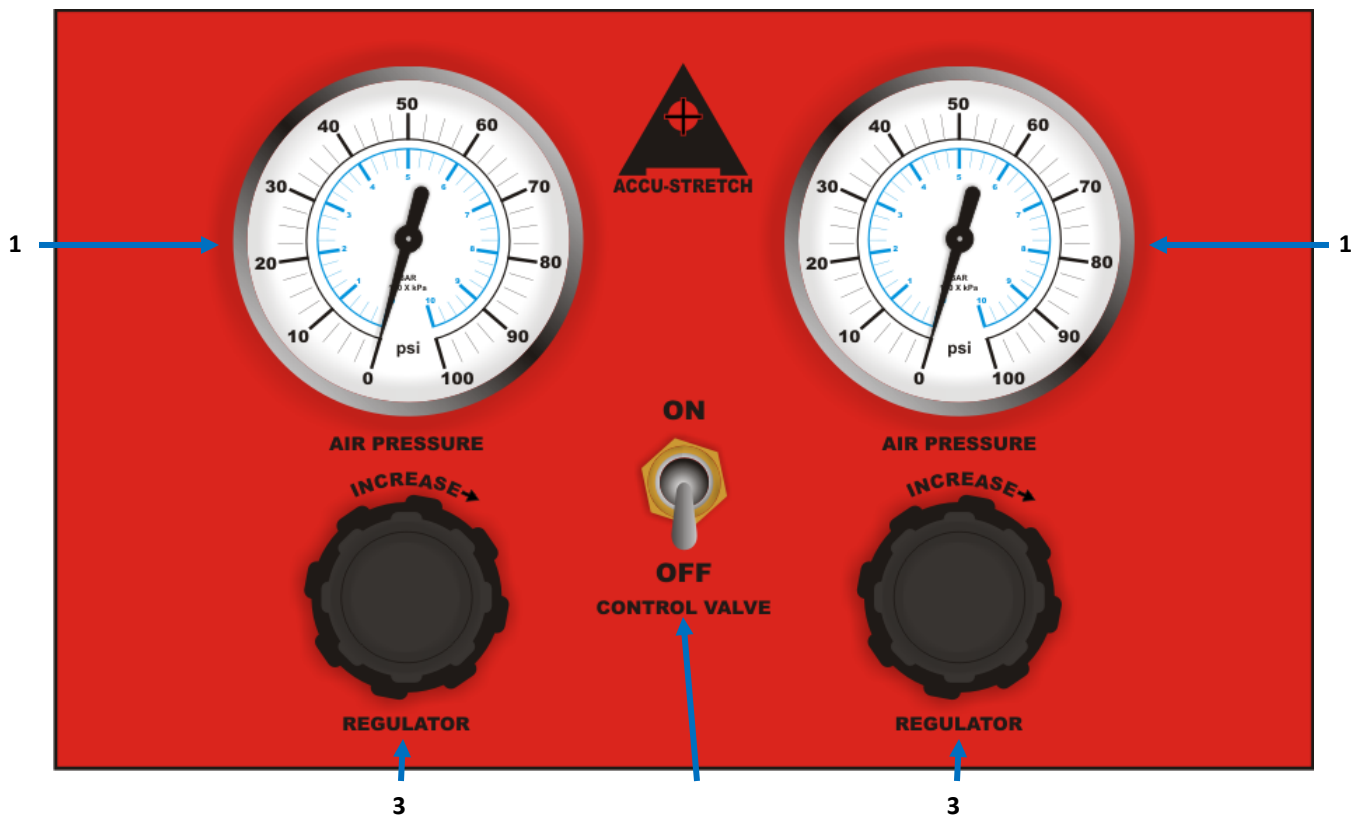
Set up the Accu-stretch system on a solid level surface such as a work bench or table. Once setup, adjustments for screen sizes can be made. Slide the stretching clamp over the cylinder square nuts, arrange them in an offset pattern for best results. If offset is greater than 3 - 5 feet (for smaller screens) insert leveling bolts into the threaded holes on the bottom side of the stretching clamp, this will support the weight of the clamp. When setting up the stretch boxes mark a line in the center of all sides of the frame. Use this line to center the stretch boxes. Frames larger than 60" require additional stretch boxes. Place the stretch boxes an equal distance from the center of the frame. Set the stabilizer bars to the



A good contact between the screen mesh and frame is required for proper adhesion. If the frame is lower than the top of the stretching bar it must be shimmed. Plywood is an economical media for this as it comes in various thicknesses. The frame should sit 1/8" - 1/4" above the stretching clamp for best results. To start stretching the screen mesh, pull the stretching clamps towards the frame to fully extend the stretch cylinders. Lay the fabric over the stretching clamps. Starting with the furthest stretching clamp from the control box insert the locking bar, then the one directly across from it, repeat these steps on the remaining bars.

Once the screen mesh is locked in. Before turning on the regulators, make sure there is no pressure on them. Turn each regulator clockwise, working back and forth between the two. The arrows next to the regulator correspond with the direction of tension. Once the desired tension is reached lock the regulators in place by pressing the knobs downward. The gauges on the control box read air pressure NOT newtons. A newton meter is needed for reading actual fabric tension.

Controls



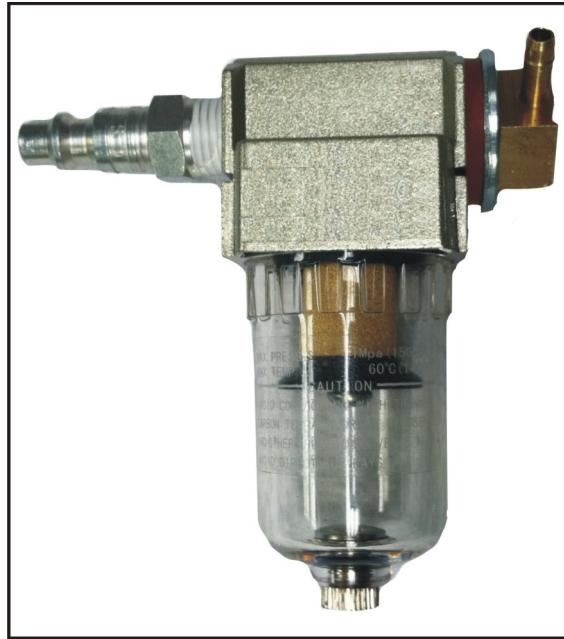
1. Gauges: These display air pressure being applied to stretch boxes. The one to the left reads pressure for stretch boxes #1 and #3. The one on the right reads pressure for stretch boxes #2 and #4. This reads in PSI, not newtons.

2. On/ Off Toggle Valve: Once the screen is in place and the fabric and stretch clamps are set, ensure the regulators are at zero. Next flip the toggle valve to the on position, nothing will happen. NOTE: always zero out the regulators before flipping the toggle valve to the on position, if the regulators are set too high the unit can pressurize too fast and malfunction. This may cause damage to equipment, materials and cause personal injury.

3. Pressure Regulators: These control the air supplied to the stretch boxes. The one on the left controls pressure for stretch boxes #1 and #3. The one on the right controls pressure for stretch boxes #2 and #4.

Maintenance

The Accu-Stretch system requires very little maintenance. Located on the back of the control box is a water/ oil separation filter that should be taken apart, drained, and cleaned periodically.



There is a screw fitting located on the bottom of the bowl to drain the filter. With the air on loosen this fitting but do not remove it. Air will force any fluid through the fitting. When all fluid has been evacuated tighten the fitting.

When further cleaning is necessary the bowl can be removed from the filter. With the air off twist the bowl 1/4 turn and pull down. Using only **water** rinse the bowl thoroughly. **DO NOT USE DETERGENTS OR SOLVENTS** which can damage the O-rings causing air leaks. When all debris has been removed replace the bowl and lock in place with 1/4 turn.

When storing the unit, mark and remove the airlines. Wind the air lines into a neat bundle and secure.

Limited Warranty

Although every effort has been made to provide accurate specifications, Workhorse Products does not assume any liability for damages, whether consequential or incidental, that may result from the use or misuse of the indicated specifications. Workhorse Products requires the use of a licensed industrial electrician for the installation of electrical service to equipment requiring electrical power.

Workhorse Products reserves the right to alter specifications in the manufacture of its products. It is understood and agreed that Seller's liability for any equipment whether liability in contract, in tort, under any warranty, in negligence, in strict liability or otherwise shall not exceed the return of the amount of the purchase price paid by Buyer. Notwithstanding the foregoing provision, under no circumstances shall Seller be liable for special, indirect or consequential damages. The price stated for the equipment is a consideration in limiting Seller's liability. No action regardless of form, arising out of the transactions under this Agreement may be brought by Buyer more than one (1) year after the cause of action has occurred. Our warranty is specified is exclusive and no other warranty, whether written or oral, is expressed or implied. Workhorse Products specifically disclaims the implied warranties of merchantability and fitness for a particular purpose. Equipment manufactured or sold by Workhorse Products is warranted against defects in workmanship and materials for a period of one year from receipt by customer. All warranties initiate from date of shipment to original customer. Replacement parts are covered for the term of the equipment warranty period. Parts not under warranty are covered for thirty (30) days from receipt by customer. Any part found by Workhorse Products to be defective in material or workmanship within the stated warranty period will be replaced or repaired at Workhorse's option without charge.

AFTER OBTAINING AN RMA# SEND RETURNED FREIGHT PREPAID TO 3730 E. Southern Avenue, PHOENIX, AZ 85040 USA.

Written authorization must be obtained from Workhorse before any part will be accepted. Replacement parts are sent out freight collect.

Parts sent out prior to receiving defective require a credit card hold for cost plus freight. Upon return of defective part, if it is deemed that the part was not damaged by customer but failed, the cost of the replacement part will be refunded.

This warranty does not extend to expendable parts such as filters, fuses, elements and brushes. Workhorse does not warrant failure of parts or components resulting from misuse or lack of proper maintenance. Installation, inspection and maintenance costs are the sole responsibility of the purchaser.

Registration Form	
Company Name: _____	Contact Name: _____
Address: _____ _____	Phone Number: _____
City: _____	Fax Number: _____
State: _____	Email : _____
Country: _____	Cell Number: _____
Zip Code: _____	Serial Number: _____
Model Number: _____	Date Recivied: _____
Date Purchased _____	
Please Fax Registration Form for warranty to take place	