

QUICKFAB ITEM CATALOG

Longer Lasting

Reduced Downtime

Easier Installations

Lower Cost



*"Home of the
Quick Change
Pump System"*


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***New items are
continually in
development. Please
contact us or check
our website for
updates and
additional items.***

"Innovation at it's best."

The Quick Change Pump System

Can your operator replace your pump in 60 seconds without any tools or training?

They can with our Quick Change Pump System!

Our Quick Change Pump System is an air diaphragm pump with a remotely mounted air valve that is speed controlled by an electronic control box. It is available for either single or dual pump systems.

- ♦ **One pump fits all... means less inventory.**
All supply and return pumps are the same and are interchangeable between various print systems within your facility.
- ♦ **No messy lines to disconnect.**
They stay connected to the manifold.
- ♦ **Non corrosive modular design.**
All stainless steel and plastic construction.



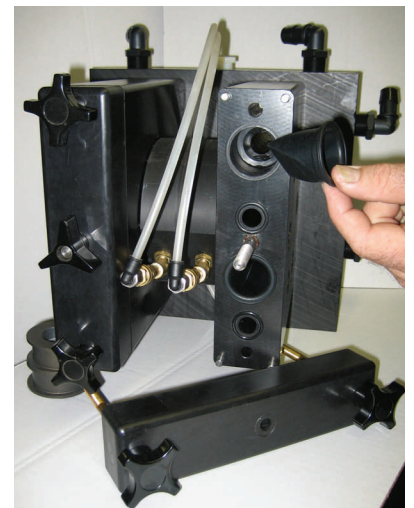
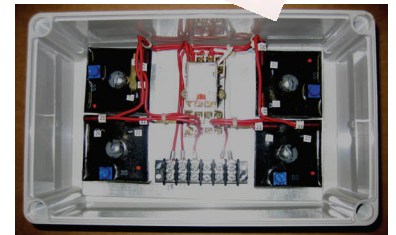
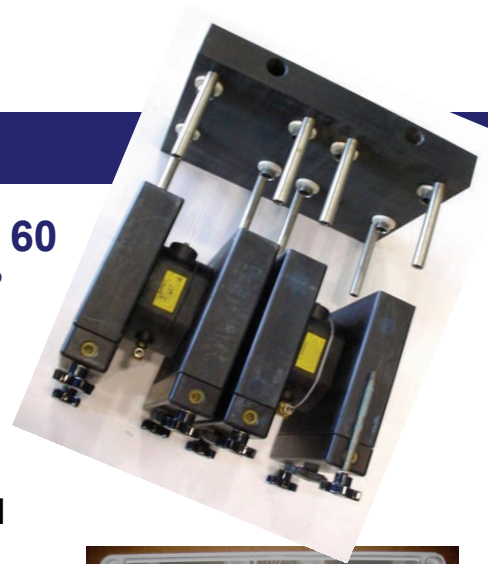
New & Improved Duckbills

We now manufacture our own custom designed heavy duty duckbill valves from Nitrile—a durable material that works with all inks and clean up solutions. Our large duckbills can pass small trim and debris that may have found its way into the ink system. They can be cleaned or replaced without tools and without removing the pump. Simply lift the end cap off the pumps and replace after inspection. With our system, duckbills can not be installed backwards.

Order information

Your first Conversion Set includes the applicable Quick Change Pump manifold, Quick Change Pump(s) for each section, an additional “spare” pump, appropriate mac valves an electronic control box where applicable, and an assembly jig.

As you continue to convert print sections throughout your facility, QuickFab, Inc. offers additional conversion sets based on your needs. Quick Change Pumps and parts are also offered individually.

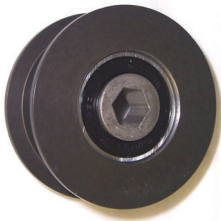


The Ward Lead Edge Feeder Upgrade

The new way of addressing poor print registration from a worn out feed section.

FRONT WHEEL IMPROVEMENTS

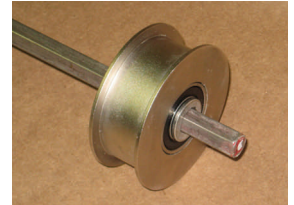
➤ Our Front Idler Wheels have two 6202 hex bore ball bearings installed in them instead of a plastic or bronze bushing. This adds longer life to the wheels and keeps wheels aligned with the belts.



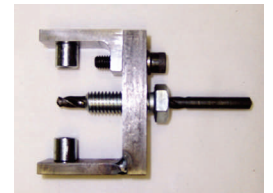
- This improvement allows the use of replacing the original round shaft design with a hex shaft so that when the bronze or plastic bushing in the idler wheel wears, it damages the shaft and allows the wheels to cock sideways on the shaft which makes the feeder belt not track straight.
- This improvement also allows for the easy removal of the hex shaft from the wheels because the

wheel bearings no longer rotate on the shaft, they rotate on the bearing hex adapters which are inexpensive and easily replaceable.

➤ To install this system the only modification to the machines is to drill and tap sixteen 5/16" holes in the vacuum table front shaft supports. This locks the hex shaft into position so there is no longer any spinning of the whole front shaft if a bearing or bushing in one of the wheels lockup damaging the vacuum box supports bores as seen sometimes with the original round shaft design. We supply a drill jig to complete this modification.



➤ We also supply a coupling which joins the two hex shafts together in the middle to support the ends of the two center wheels next to the gearbox. The original design has no support for the ends of their shaft which allows the shaft to bend and the wheels to run out of alignment when the belt tension is applied.



DRIVE PULLEY IMPROVEMENTS

➤ Our lightweight belt drive pulleys are machined with a long hub which accepts a 5/16" keyway 2 1/4" long and utilizes two locking screws to hold them in place. This eliminates loose fitting gears that result in print register problems. The original design uses plastic keyways with no locking screws which causes loose gears.

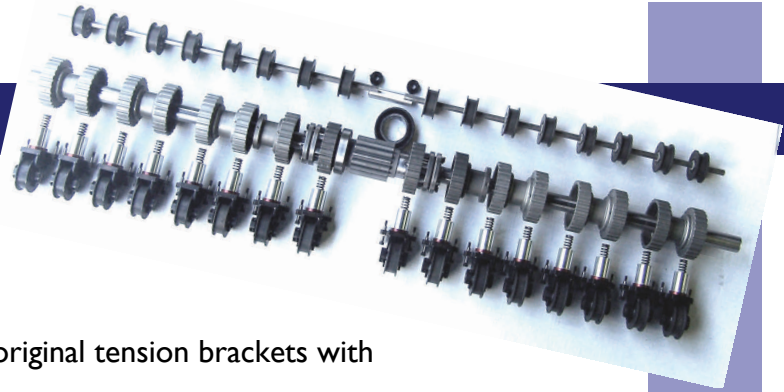


➤ We replace the belt pulley drive shaft gear with a special modified gear in the feeder gearbox to enable us to install a shrink disc system that locks the feeder belt pulley drive shaft to the special modified drive gear without the need for keyways. This eliminates the drive shaft from coming loose inside the drive gear which also affects print register and eliminates the need to replace shaft and gear in the future because of keyway wear. This modification allows for

the use of two easily installed belt pulley drive shafts instead of one long shaft that has to be installed all the way through the gear with double keyways which have to be hand fitted between the shaft and gear with nothing locking them in place.

➤ The modified gear upgrade comes with all new bearings, locking nuts and locking washers, keyways, set screws, and shafts.





BELT TENSION BRACKET IMPROVEMENTS

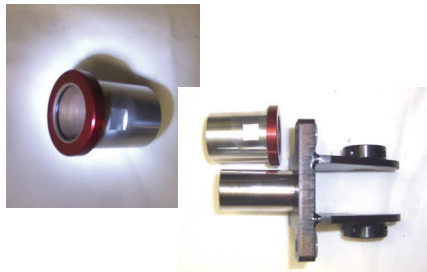


- We replace all 16 of the original tension brackets with newly designed brackets.
- The new brackets are laser cut and then heliarc welded in a fixture to insure the layout of all the holes are the same.
- They utilize split collars to clamp the idler wheel axles in place to eliminate any looseness that would affect feeder belt tracking or the axle spinning

that would cause damage to the bracket itself.

- The bracket has replaceable bushings which slide on the original shoulder bolts. If the threaded holes for the shoulder bolts are worn or damaged in your machine, we supply a repair kit with a drill and tap fixture for inserting threaded inserts.

- The new brackets also utilize a specially machined Linear bearing with O-rings and linear bearing shafting to hold the Idler tension pulley in line.



- These brackets do not require any modification to your machine. Simply remove the original tensioning spring and use the supplied flex-hone to deburr the bore. Then slip this new bearing in and lock in place with a set screw in one of the tapped holes formerly used for the jib plate.

- We supply new tensioning springs which are inserted inside the linear shafting and with an O-Ring in the Linear bushing the system is sealed and can be permanently lubricated at installation.

- Tensioning idler wheels have two 6202 ball bearings installed in them instead of bushings. This adds longer life and keeps wheels aligned.

- They also come assembled with a ground and hardened axle.



- All of our idler wheels and drive pulleys are precision CNC machined from 6061 aluminum.
 - Next they are sent through a Hard Coat process to extend their wear life.
 - They are also Teflon Coated to reduce build up of paper dust.

Order information

Your complete Conversion Set includes all of the parts needed to improve the life and reliability of the front wheel section, drive section, and the rear tensioning section. We also offer an installation kit that provides all of the necessary tools to complete your conversion.

- LEF300 37 1/2" Complete LeadEdge Feeder Conversion Kit
- LEF100 50"/66" Complete LeadEdge Feeder Conversion Kit
- LEF500 Complete Installation / Maintenance Kit

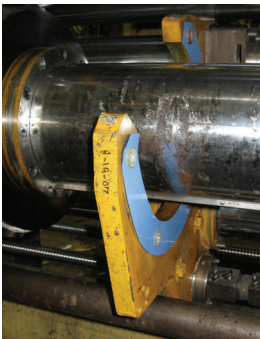
The Carbon Shoe System

Reduce your carbon button maintenance with our easy to change *Patent Pending* Carbon Shoe System.

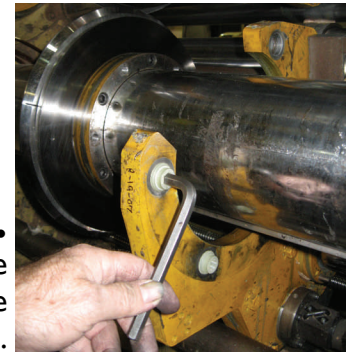
You'll quickly realize the advantage to our system because it ...

- ...increases the wear surfaces by at least 375% more than the OEM's.
- ...can be adjusted in a few minutes rather than several hours.
- ...is easy to install and does not require the use of complicated tools.
- ...means once heads are separated, no tools are required to shim the shoes.
- ...reduces machine downtime and maintenance costs from less frequent changes in wear surfaces.
- ...utilizes the original OEM machine without any modifications.
- ...provides extended wear life of plates.
- ...provides extended wear life of tooling.
- ...has shims that are color coded for easy identification.
- ...has no metal surfaces unlike the OEM's that cause damage to your expensive contact surfaces.

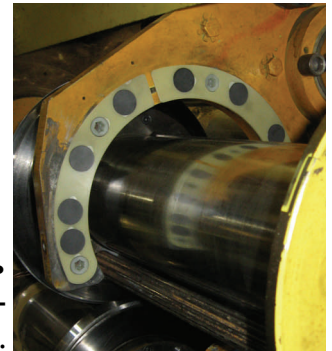
**** Installation is as quick and easy as 1,2,3 ****



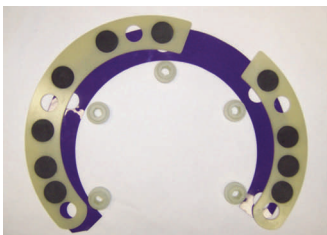
1.
Custom made non-metallic set screws are installed into the existing threaded holes in the yoke from which the wear buttons are removed.



2.
A shim is installed over the stud portion of the set screws which protrudes from the yoke and supports the shim and shoe.



3.
Next the shoe is installed over the studs and the head is reassembled, clearances are checked between the wear surfaces, and conversion is finished.



Order information

Your Carbon Shoe Conversion Set includes:

- 4 packs of the Large Diameter Shoe Sets
- 10 packs of the Small Diameter Shoe Sets
- 16 Large Diameter Shims (4 of each thickness: .010, .012, .015, .020)
- 40 Small Diameter Shims (10 of each thickness: .010, .012, .015, .020)
- 140 Custom Set Screws

Ask for QuickFab item number CSS100.

Quick Change Pull Collars and Crush Collars

Quick Change Pull Collars for Print, Slot, and Die-Cut Sections

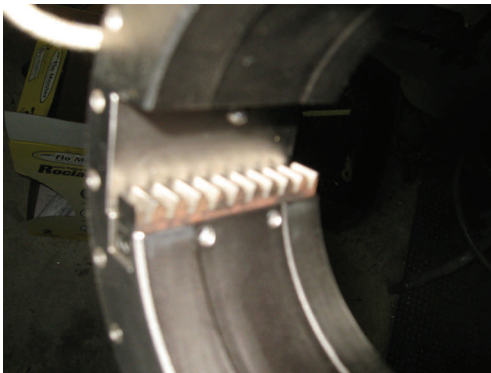
Simply twist, glide smoothly to new position, then release...its that easy!



Replace your OEM system with the advantage of a reliable wrenchless system that works smoother and is easier to maintain and clean.

This simple 2 piece design bolts together for quick installation, cleaning, and replacement.

On standard wrench style systems, personnel may fail to tighten the bolts adequately after set up and the collar will work itself loose and possibly fall into the machine causing major damage to printing dies and printing cylinders. Our system prevents damage because the collar automatically locks when released in the new position because you simply twist and pull to the new location and release. Teeth reengage holding collar in place.



Its Poly-On Teflon impregnated coating inside and out provides a hard non-stick surface. The collars slide smoothly and cleanly along the shaft.

Our non stick rack gear which is also Poly-On coated can be mounted to any pull collar shaft, whether keyed, non-keyed or OEM style rack gear shaft.

Initial installation can be completed within 4 hours by your in-house maintenance personnel.

A low profile center board support collar is also available.

Crush Collars

Our quick change crush collars are made with the same quality as our pull collars. Again, this is a 2-piece design that bolts together for quick installation, cleaning, and replacement. The twist and release feature prevents possible damage to costly equipment from loose collars that fall into machinery.

You can convert your wrench style crush collar to our convenient wrenchless style or we can duplicate the OEM autaset style with the advantage of the Poly-On Teflon coating for a smoother, cleaner surface, all at a reduced cost.



Order information

QuickFab Item Numbers: QFPC037 Ward 37 1/2" Pull Collars
 QFPC050 Ward 50" Pull Collars
 QFPC066 Ward 66" Pull Collars

Crush Collars and other Pull Collar sizes are available upon request.

Developments for Martin LayBoy

Martin Stacker Beater Belt Drive

What's that roller chain drive costing you in downtime, replacement parts and lost productivity due to drive failure, lubrication requirements, and unscheduled maintenance?

Our quiet, maintenance free Belt Drive Conversion for Martin Stacker Beater Belt Drives is your solution.

- ◆ A typical Triple 40 Roller Chain Drive requires constant lubrication with a drip oiler which produces a puddle of oil beneath the machine. This causes safety and housekeeping issues that can be replaced with an HTD Drive Belt.
- ◆ The replacement of chains and sprockets is also a continual maintenance issue on the Chain Drive. Our HTD Drive Belt eliminates this issue because of its extended wear life. Sprockets are replaced with HTD pulleys and belts rarely need to be changed.
- ◆ Regular adjustment to chain tension is necessary on the OEM system, but is eliminated with the Belt Drive System.
- ◆ Our Drive Belt is remarkably quiet compared to a Roller Chain Drive.



Conversion to our HTD Drive Belt System is easy and takes only slight modifications to your equipment, if any.

QuickFab Item# MBDC001 Martin Stacker Poly Chain Drive Conversion

Martin Stacker LayBoy Pulleys



- ◆ Our lightweight belt drive pulleys are precision CNC machined from 6061 aluminum.
- ◆ Next they are sent through a Hard Coat process to extend their wear life.
- ◆ We also offer the option of a hard nickel plating which increases the coating to 40RC and reduces build up of paper dust.
- ◆ Our pulleys come with bearings installed.
- ◆ All four sizes are available in standard round round belt groove design or in the V-Belt groove design (B groove).

Chrome Keyed Pulley Drive Shafts are also available.

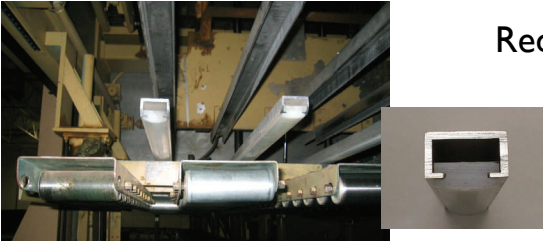
Order information

Contact us or visit our website for a full list of item numbers.

Counter Ejector Upgrades



Upper and Lower Thines for the Hold Downs On the Ward Counter Ejector



Reduced Downtime,
Easier Installation,
Longer Lasting,
Lower Cost

Our Thines are extruded from 6061 aluminum with extra legs to hold the wear strip and provide additional reinforcement. Lower Thines come with Wear Strips installed.

Thine Quick Change Adapter



- Use our Thine Quick Change Adapter for ease of installation of your counter ejector thines.
- With only a slight modification to your CE, these will increase the life of your thines and reduce downtime from changing a damaged or broken thine.
- Laser Cut from 3/8" Steel with an end tab that provides solid leverage for easy removal from its bent or twisted thine.
- Durable and reusable.

Elevator Top Wear Strip Replacements for Ward Counter Ejector

Elevator Top Wear Strips install with roll pins through holes that already exist in most machines. If your model does not have them they can be drilled with a small right angle drill.

Ours are made extra thick for added durability. The side legs are longer to provide extra reinforcement for the length protruding off of the end of the elevator arm. This extra durability also means they are not easily damaged by jam-ups.

Order information

CEF001 - C-E Fork Upper Long/Center
CEF002 - C-E Fork Lower Long/Center
CEF004 - C-E Fork Upper Short/Outer
CEF005 - C-E Fork Lower Short/Outer
CEF100 - C-E Fork Adapter
WES001 - Elevator Strip



Counter Ejector Upgrades

Spanker Cams with Shrink Disc

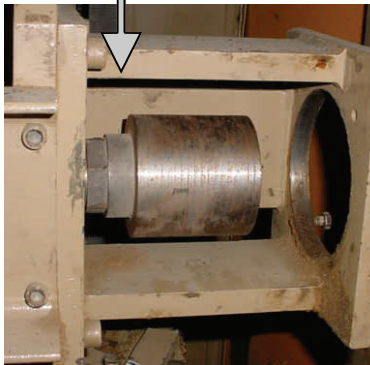
Spanker Cams for the Ward Counter Ejectors have been converted to shrink disc which eliminates the loose keyway problem on the standard OEM design. Our Spanker Cams need no modification to the Counter Ejector to install.



Shrink Disc Coupling

Ward Counter Ejector original style couplings, used in all three positions can be converted to our multiple Shrink Disc coupling. Our Shrink Disc Coupling, machined from 4140 Steel, holds on most damaged shafts without having to replace the pinion shaft or motor due to the original style coupling slipping and scarring their surfaces.

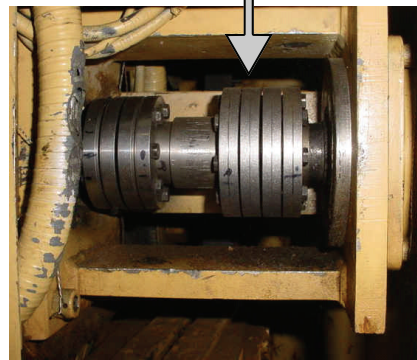
Theirs?



OEM Style Coupling on Counter Ejector

or

Ours!



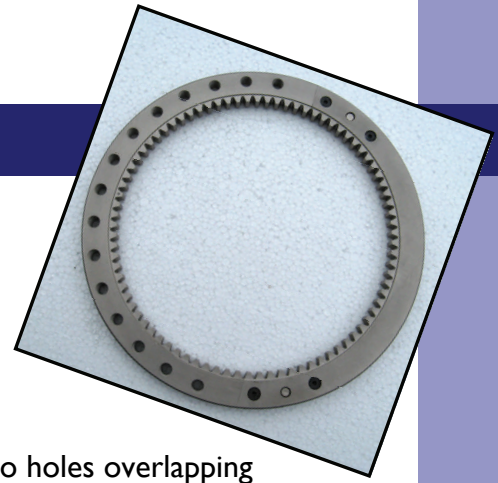
Shrink Disc Coupling on Counter Ejector

Order information

- SDC001 - C-E Shrink Disc Coupling
- SDC002 - C-E Shrink Disc Spanker Cam

Split Ring Gears

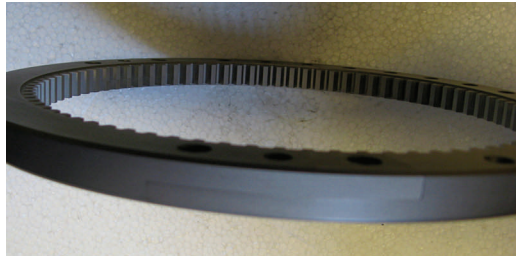
QuickFab is proud to bring you our Split Slotter Head Ring Gears for Ward 11500 machines. See why ours are high quality, low cost, and long-wearing.



Our split ring gears are carefully designed to allow a tight fit and no holes overlapping the split areas. They are machined from a high quality steel then plated with a Poly-Ond coating which is a smooth finish of nickel phosphorous impregnated with Teflon. This provides an array of benefits including:

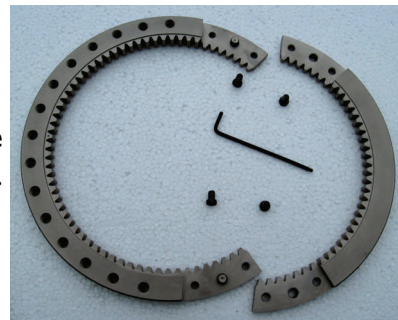
- ◆ Dry Lubricity
- ◆ Extremely low coefficient of friction
- ◆ High resistance to corrosion
- ◆ Controlled hardness (RC 68–70)

Precision CNC machining allows for a tight tolerance fit.



The joint is smooth and seamless. As evident in this picture, it is hardly visible.

Our split ring gears are easy to remove and reassemble on your machine.



Order information

| | |
|---------|---|
| WSG037 | Ward 37 1/2" Split Ring Gears |
| WSG050 | Ward 50" Split Ring Gears |
| RGRP001 | Ward 37 1/2" Center Split Ring Gear Retaining Plate |
| RGRP002 | Ward 37 1/2" Outer Split Ring Gear Retaining Plate |

More Innovations and Developments

Top Wear Strips for a Ward Lead Edge Feeder



Our Top Wear Strips are manufactured from Stainless Steel to OEM tolerances and then heat treated to RC 38-40. This hardens the strip all the way through which extends its wear life compared to a thin plating layer that can more quickly wear out.

Another option we offer is — send us your used Wear Strips. We will grind them flat, then plate them with a Poly-Ond coating which is a smooth finish of nickel phosphorous impregnated with Teflon. This provides an array of benefits including:

- ♦ Dry Lubricity
- ♦ Extremely low coefficient of friction
- ♦ High resistance to corrosion
- ♦ Controlled hardness (RC 68—70)

Finally, we supply shims to bring them back to OEM standards.

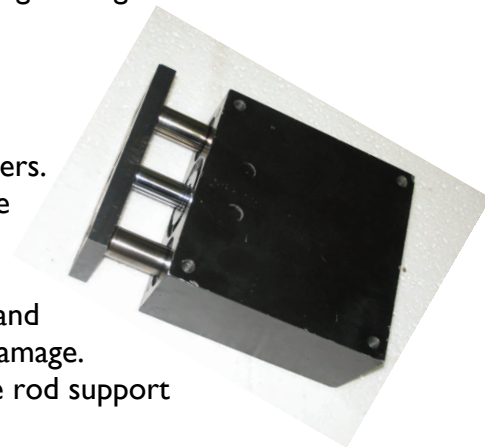
This is a good option for facilities with a very tight budget.

Refurbished Linear Guided Tamper Cylinder with Replaceable Cylinder Bore Sleeve

Don't throw away your worn out Parker Hannifen Tamper Cylinders. Let us refurbish them for you. They have proven themselves to be better than new.

- ✓ First, we install a replaceable cylinder bore sleeve.
- ✓ Then, we manufacture a redesigned piston with a support band which adds life and protects the cylinder from premature damage.
- ✓ Next, we manufacture a new rod end cap with a replaceable rod support brass bushing.
- ✓ Last, we replace all seals and inspect complete assembly for any other necessary repair.

After initial modifications are completed on your refurbished cylinder, we offer a kit so you can rebuild or replace parts as needed in the future. The need to buy brand new cylinders is virtually eliminated. Our existing refurbished cylinders have proven to improve the life and reliability of the cylinders significantly.



Laser Engraved Custom Dials, I.D. plaques, Switch Plates, Panels, Etc.



Let QuickFab create custom laser engraved items for any machine to help improve operations quicker and easier. Just provide us your sample piece and let us know which format you prefer. We will make the conversion for you. This example shows Rotary Die Cut dials for the Anilox Roll and Impression Roll gap settings converted from fractions to thousandths for operator ease. What a simple and surprisingly cost effective way to make improvements in your daily operations.

Piloted Retaining Block for Carriage Assembly on Marquip Splicers

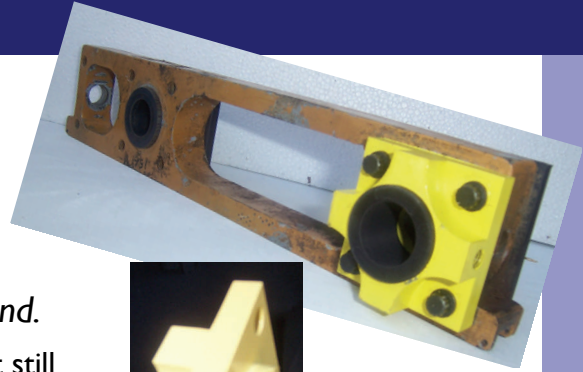
Dual Duty Designed with maintenance and safety in mind.

On the OEM design the bushing is thin and wears out, yet it still allows you to make splices while causing permanent damage to the dancer carriage.

Our new bracket is designed with a much larger bushing as well as a piloted steel retaining block. The new larger bushing will cause you to miss splices before allowing your equipment to be permanently damaged. It is machined for easy access to the retaining bolts and the piloted retaining block relieves the stress off of the clamping bolts to prevent them from loosening or breaking off allowing the dancer roll to fall out of the splicer.

QuickFab Item# MRDBKT Marquip Roller Dancer Bracket—New

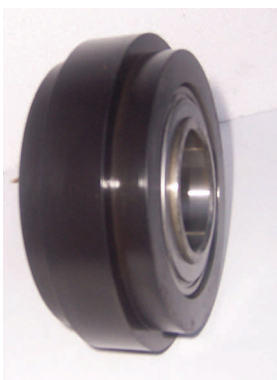
QuickFab Item# MRDBKT-R Marquip Roller Dancer Bracket—Refurbished



Toothless Lift Chain Idler for Marquip Down Stackers

We replaced the sprocket style idler on the older style single 120 chain stackers with a hardened toothless roller which increases the life of the lift chains. On the older sprocket style idler, as the tooth sprockets wear, the metal shavings are scattered into the chain which decreases the life of the lift chains. With our toothless lift chain idler, the need to replace the tooth style idler is eliminated and the life of the lift chain increases.

QuickFab Item# MTLC001 Marquip Toothless Lift Chain Idler

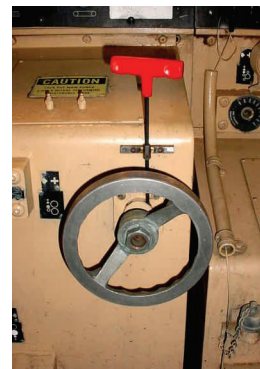


Lateral Adjuster Lock Down for Ward Print Cylinders

This item provides a clean and simple lock down mechanism for your Print Cylinder Lateral Adjustment Shaft. It is an easy yet effective way to improve your Operational Quality.

QuickFab Item# LAL001

Lateral Adjustment Lock Down for Ward 11500



Complete Folding Rail Roller Bracket

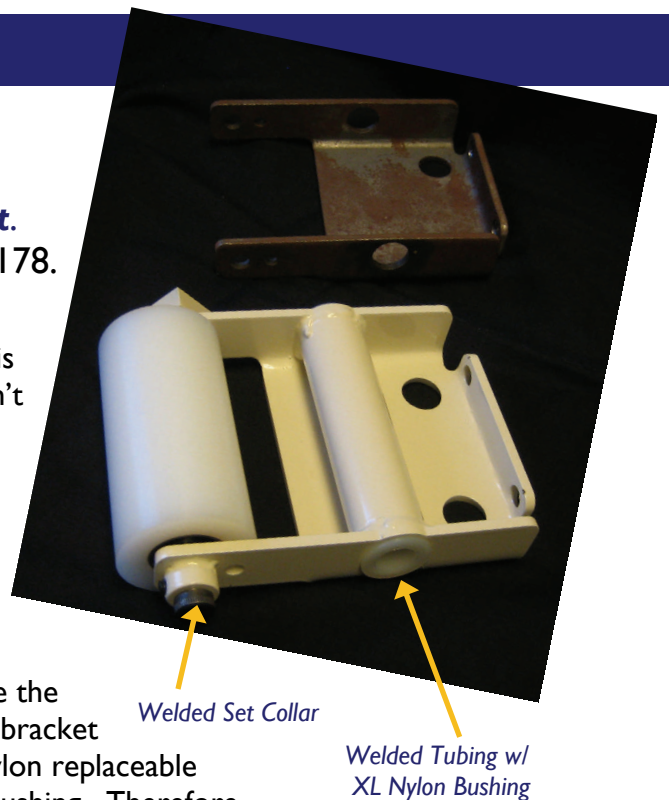
QuickFab's latest release is the **Complete Folding Rail Roller Bracket.**

This is a replacement for Ward's Item#138178.

On your existing bracket, the pivot axle bushing wears out the bracket's hole because the bushing is so small and rides on a thin edged surface so it can't handle the wear and tear required of it. We have found that normal replacement on these OEM brackets should be about 2 years.

Our existing brackets have currently been running several years in production and still provide stable support and produce square boxes.

On our bracket, we have welded tubing to provide the necessary stability to increase the longevity of the bracket for the pivot axle. This also enables us to use a nylon replaceable bushing that is about 300% longer than the OEM bushing. Therefore, the bracket doesn't get damaged and you only need to replace the bushing.



Another improvement we offer in our bracket is the welded set collar for the roller axle. Again, this provides more stability, support for the axle, and increases the life of the bracket. The OEM just bolts in their roller axle with no additional support which causes loss of integrity in the hole of the bracket.

Our Rollers are made of Nylon which is more durable and longer lasting than the Rubber material that the OEM Rollers are made of.

Your new QuickFab Complete Folding Rail Roller Bracket comes Powder Coated with all new bushings, bearings, axles, and rollers, and is delivered completely assembled. All you have to do is just remove your stops off of your old brackets and put on our new brackets.

Order information

If you want to keep even, constant pressure on the rail belts, which in turn keeps the boxes from skewing in the rail so that your company can provide a better quality product, order the **Complete Folding Rail Roller Bracket, QuickFab Item #WFRB100.**

If you have recently replaced your rubber rollers and they are in good condition, we offer part **#WFRB200.** This part contains everything needed to convert to our bracket style using your existing rubber roller. When your rubber roller does wear, we offer the parts needed to install our nylon rollers, part **#WFRB300.**

QuickFab was created to provide innovative solutions to common problems in the Corrugated Industry. Founder and inventor, Robert Williamson, works daily to improve the industry standard, increase uptime, and maximize productivity. Reducing downtime is the key to any successful business and QuickFab is the one place that can accomplish that for you. For more innovative products, visit our website at www.Quick-Fab.com.



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Are you ready to take your facility to the next level?