



Manufacturer of the

BEADTRIMMER™

HDPE FUSION BEAD REMOVAL TOOLING



OPERATIONS MANUAL

Universal External BeadTrimmer™ (UEBT)

R&L MANUFACTURING, INC.

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BEADTRIMMER™ OPERATIONS MANUAL

Universal External BeadTrimmer™ Warranty

WARRANTY

1. Equipment Warranty. Company warrants all Equipment to be free from defects in material or workmanship under normal use and service for a period of ninety (90) days from the date of delivery. All repair covered by this warranty must be done at Company's factory, or other such warranty repair facilities of Company as designated by Company unless Company specifically directs that this service be performed at another location. Any defect corrected within ninety (90) days and found to be within this scope of the warranty will be repaired by Company and all charges for labor and material, will be borne by Company. If it is determined that either no fault exists in Company, or the damage to be repaired was caused by negligence of Distributor, its agents, employees or customers, Distributor agrees to pay all charges associated with each such repair. THIS CONSTITUTES THE SOLE WARRANTY MADE BY COMPANY EITHER EXPRESSED OR IMPLIED. THERE ARE NO OTHER WARRANTIES EXPRESSED OR IMPLIED WHICH EXTEND BEYOND THE FACE HEREOF, HEREIN, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES AND DISTRIBUTOR'S REMEDIES SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF NONCONFORMING UNITS OR PARTS. THE WARRANTY AND TERMS AS EXPRESSED HEREIN SHALL NOT APPLY TO ANY CLAIMS BY ANY END USER AND/OR CONTRACTOR, AND COMPANY MAKES NO OTHER WARRANTY EXPRESSED OR IMPLIED TO SUCH USER, INCLUDING, BUT NOT LIMITED TO, ANY CLAIM FOR BACK CHARGES, DOWN TIME, OR OTHER INTERRUPTION OF WORK.

2. Misuse of Equipment. Any tampering, misuse or negligence in handling or use of Equipment renders the warranty void. Further, the warranty is void if, at any time, Distributor attempts to make any internal changes to any of the components of the Equipment; if at any time the power supplied to any part of the Equipment exceeds the rated tolerance; if any external device attached by Distributor creates conditions exceeding the tolerance of the Equipment; if any time the serial number plates is removed or defaced; or Distributor fails to follow any terms set forth within any training or operation guides provided by Company. OPERATION OF THE EQUIPMENT THAT RENDERES THIS WARRANTY VOID WILL BE DEFINED TO INCLUDE ALL OF THE POSSIBILITIES DESCRIBED IN THIS PARAGRAPH, TOGETHER ON ANY PRACTICE WHICH RESULTS IN CONDITIONS EXCEEDING THE DESIGN TOLERANCE OF THE EQUIPMENT.

3. Indemnity. The Distributor agrees to hold the Company free and harmless from any and all claims, damages, and expenses of every kind or nature whatsoever (a) arising from acts of the Distributor; (b) as a direct or indirect consequences of termination of this Agreement in accordance with its terms; or (c) arising from acts of third parties in relation to products sold to the Distributor under this Agreement, including, but not limited to execution of liens and liens and security interests by third parties with respect to any such products.

UEBT

UNIVERSAL EXTERNAL BEADTRIMMER™ OVERVIEW

The Universal External BeadTrimmer™ (UEBT) tooling is designed to remove the exterior fusion bead in **High Density Polyethylene (HDPE)** **fused pipe**, from 12" to 65" OD.

The pneumatic UEBT requires compressed air (not included) to operate. Use clean, dry, regulated compressed air at 90 PSI. **Do not exceed the recommended 90 PSI.** Never use oxygen, carbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.

CAUTION!

Exposed blade is very sharp. Use caution when handling and operating

SAFETY!

Wear appropriate clothing and personal protective equipment including eye protection and gloves, while operating this tool.

DO NOT DRY FIRE!

Improper usage, including dry fire, can cause injury or damage to this tool or pipe. Use caution.



BEADTRIMMER™ UEBT OPERATION

DO NOT DRY FIRE!

Improper usage, including dry fire, can cause injury or damage to this tool or pipe. Use caution.

STEP 1

Insert the Universal External BeadTrimmer™ (UEBT) shank into the air hammer and securely fasten to coil.

STEP 2

With UEBT securely fastened to air hammer, rest blade against the fusion bead before powering. NEVER dry fire this tool.

STEP 3

Using a series of cuts, notch out a small section of the bead. This provides clearance to angle the UEBT blade properly, and remove the bead without gauging or damaging the pipe.

DO NOT PRY WITH TOOL!

Improper usage, including using the tool to pry, can cause injury or damage to this tool or pipe. Use caution.



BEADTRIMMER™ UEBT OPERATION

LARGE DIAMETER PIPE

Large diameter pipe may require several angled cuts and notches to provide the clearance needed to angle the UEBT blade properly.

STEP 4

Continue removing the bead along the circumference of the pipe. It can help to pull back on the bead as you remove it.



REPEAT

If necessary, repeat Step 3 and Step 4 until exterior fusion bead is completely removed.

BEADTRIMMER™ UEBT MAINTENANCE



MAINTENANCE

The Universal External BeadTrimmer™ requires regular maintenance for optimal operation.



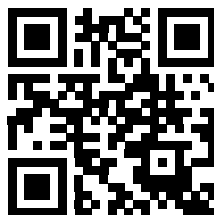
- Lubricate air hammer with air tool oil.
- Keep blade sharp.
- Replace air hammer retention spring when worn.

VIDEO

See the Universal External BeadTrimmer™ in action at www.RLMFG.com



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GENERAL INSTRUCTIONS

Air Hammers

SAFETY INSTRUCTIONS:

1. Stay alert. Watch what you are doing, and use common sense when operating a pneumatic tool. Do not use a pneumatic tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating pneumatic tools may result in serious personal injury.
2. Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
3. Avoid accidental starting. Be sure the trigger is off before connecting to the air supply. Carrying pneumatic tools with your finger on the trigger, or connecting pneumatic tools to the air supply with the trigger on, invites accidents.
4. Remove adjusting keys or wrenches before turning on the tool. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
6. Use safety equipment. Always wear ANSI-approved safety glasses underneath a full-face shield, gloves and hearing protection.
7. Always shut off air supply and disconnect the tool from the air supply when servicing the tool.
8. Exposure to vibration may be harmful to hands and arms.
9. Utilize a safety program to provide regular maintenance and inspection of tools and air supply system.
10. Do not defeat, remove, and modify safety devices on the tool.
11. Do not make contact with energized electrical lines.
12. Avoid work in hazardous atmospheres where a spark could detonate fumes or ignites flammable liquids.

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