



Manufacturer of the

# BEAD TRIMMER™

## HDPE FUSION BEAD REMOVAL TOOLING



BEADTRIMMER™ PRODUCT CATALOG





ELIMINATE THE BEAD

# R&L MANUFACTURING, INC.

Established in 2000, R&L is a family owned and operated manufacturing company based in Vancouver, Washington.

R&L specializes in thermoplastic tooling and proudly manufactures the first and only HDPE fusion bead removal tool made in the USA, the **BeadTrimmer™**.

For more information about our company or our products, visit our website at:

**[WWW.RLMFG.COM](http://WWW.RLMFG.COM)**

Or email us at:

**[CONTACT@RLMFG.COM](mailto:CONTACT@RLMFG.COM)**

**Already a Distributor?**

**[SALES@RLMFG.COM](mailto:SALES@RLMFG.COM)**



*From left to right: Sean Salsberry, Ed Salsberry, Randle Salsberry*







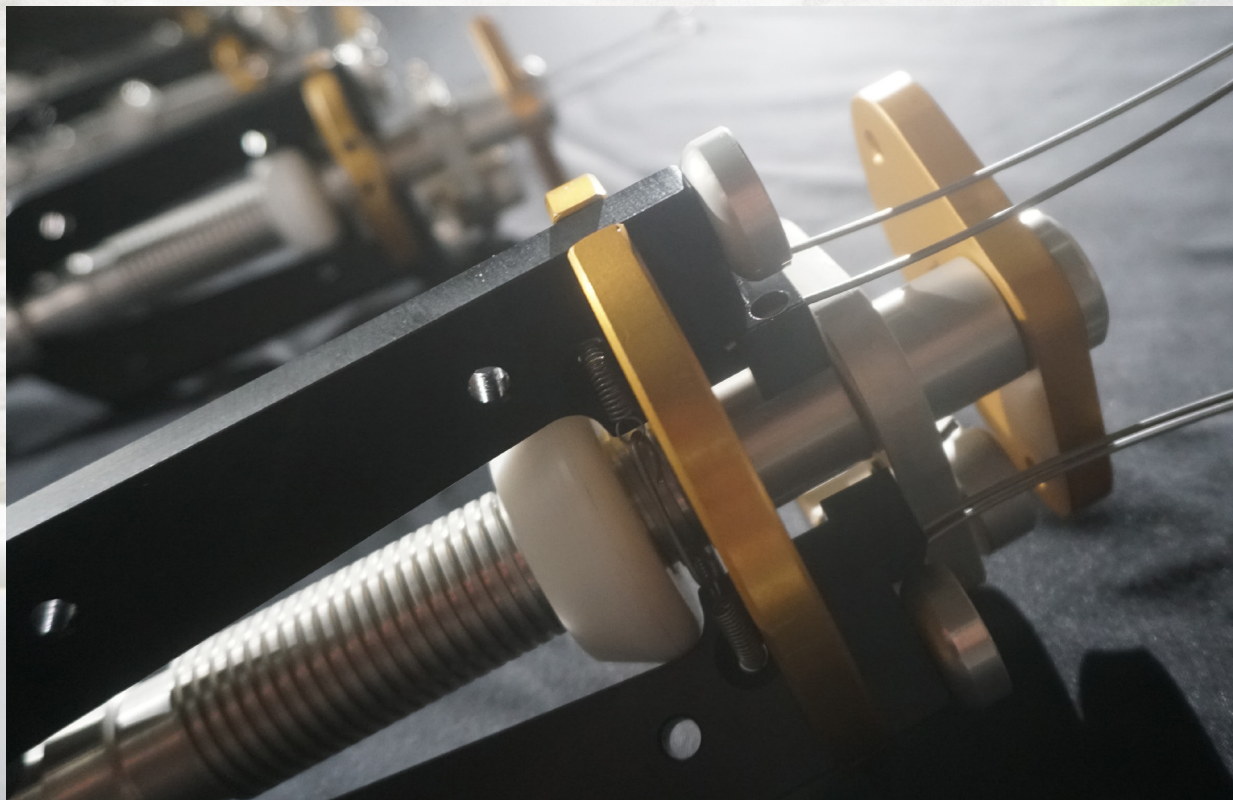
ELIMINATE THE PROBLEM

# BEAD TRIMMER™

## HDPE FUSION BEAD REMOVAL TOOLING

Time and field tested, R&L's patented **BeadTrimmer™** product line is the first HDPE fusion bead removal tooling made in the USA. The manually operated **BeadTrimmer™** (BT2 and BT3) has become an industry standard because of how quickly and cleanly it removes the internal bead in nominal pipe sizes 3" to 24".

Now, with the addition of the pneumatic **Mega-Large BeadTrimmer™ (MLBT)** which can remove the internal fusion bead in large-diameter pipe sizes 24" up to 54", and the **Universal External BeadTrimmer™ (UEBT)** that removes external beads on pipes between 12" to 65" (OD) – R&L's complete catalog has the right tool for any HDPE job.



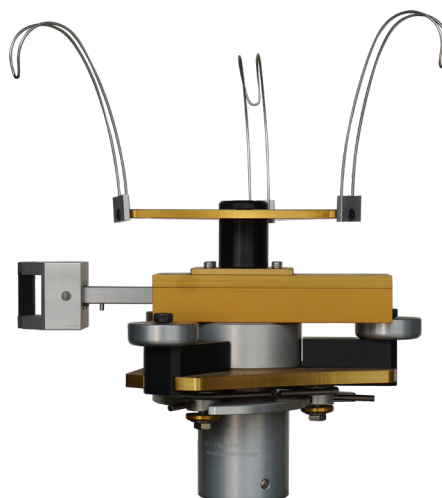


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# BT2



# BT3



## BEADTRIMMER™ HEAD SPECIFICATIONS

Each BeadTrimmer™ head has an adjustable cutting range to accommodate varying inside diameters (ID) due to the SDR of the pipe. For SDR 7 and SDR 7.3 pipe, and SDR 9, please contact an R&L representative for proper head size before ordering. All head sizes require a Handle Package to operate.

**BeadTrimmer™ Head Size/Pipe Index Available at [WWW.RLMFG.COM](http://WWW.RLMFG.COM)**

BEADTRIMMER HEAD SIZE		CUTTING RANGE		SHIPPING WEIGHT & SIZE			
PN #	NOM. PIPE SIZE	MINOR (ID)	MAJOR (ID)	LENGTH	WIDTH	HEIGHT	WEIGHT
BT2-03	3" (90mm)	2.48" (63mm)	3.28" (83mm)	18"	6"	6"	5 lbs
BT2-04	4" (100mm)	3.19" (81mm)	4.22" (107mm)	18"	6"	6"	7 lbs
BT2-05	5" (125mm)	3.94" (100mm)	5.22" (132mm)	18"	8"	8"	9 lbs
BT2-06	6" (150mm)	4.7" (119mm)	6.2" (157mm)	18"	8"	8"	12 lbs
BT3-08	8" (200mm)	6" (156mm)	8.06" (205mm)	18"	10"	10"	16 lbs
BT3-10	10" (250mm)	7.62" (194mm)	10.04" (255mm)	18"	12"	12"	24 lbs
BT3-12	12" (300mm)	9.04" (229mm)	11.92" (302mm)	18"	14"	14"	33 lbs
BT3-14	14" (350mm)	9.93" (252mm)	13.08" (332mm)	18"	14"	14"	35 lbs
BT3-16	16" (400mm)	11.35" (288mm)	14.95" (380mm)	18"	16"	16"	44 lbs
BT3-18	18" (460mm)	12.77" (324mm)	16.82" (427mm)	18"	16"	16"	48 lbs
BT3-20	20" (510mm)	14.19" (360mm)	18.69" (474mm)	20"	20"	18"	62 lbs
BT3-22	22" (560mm)	15.61" (396mm)	20.56" (522mm)	20"	20"	18"	65 lbs
BT3-24	24" (610mm)	17.03" (432mm)	22.43" (570mm)	20"	20"	18"	66 lbs

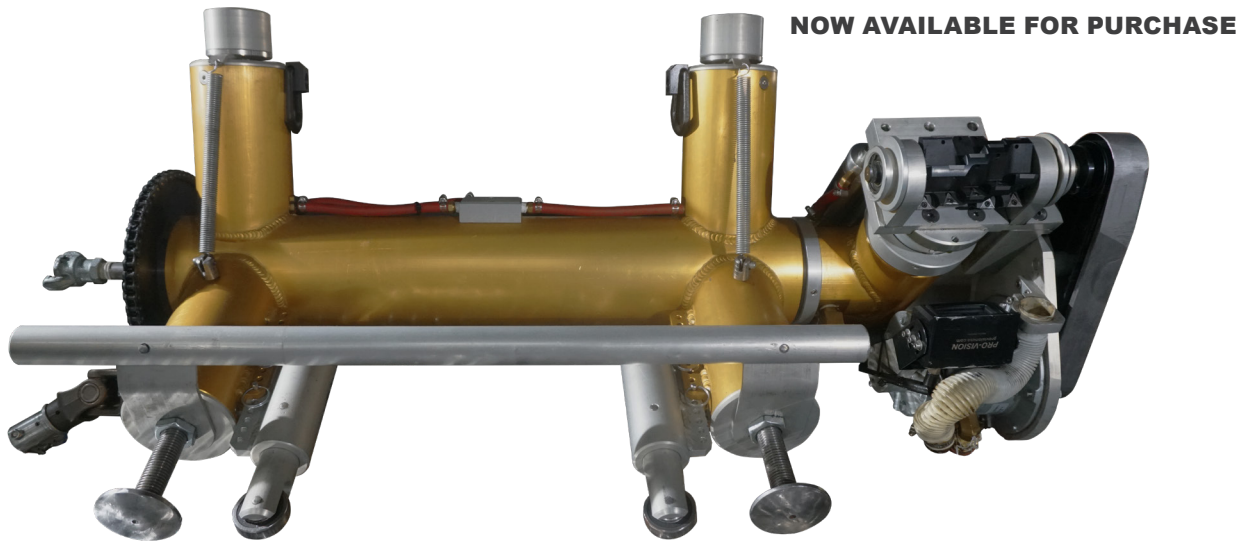


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# MLBT

## MEGA-LARGE BEADTRIMMER™

Twenty two Carbide Cutters revolving at 2,000 RPMs provide the bite for our big dog, the Mega-Large BeadTrimmer™ (MLBT). This air-driven, large-diameter de-beding tool is the first in the industry, removing the internal fusion bead of pipe diameters ranging from 24" to 52" ID.



**NOW AVAILABLE FOR PURCHASE**

### MEGA-LARGE SPECIFICATIONS

The Mega-Large BeadTrimmer™ requires compressed air for operation, supplied by user. Minimum air requirements are 82 CFM @ 100 PSI. Unit includes Mega-Large BeadTrimmer™ head, Operator Control Box, 60' Wiper Rod Set, and 51' Handle Package.

MEGA-LARGE HEAD SIZE		CUTTING RANGE		SHIPPING WEIGHT & SIZE			
PN #	NOM. PIPE SIZE	MINOR (ID)	MAJOR (ID)	LENGTH	WIDTH	HEIGHT	WEIGHT
MLBT-30	30" (762mm)	24" (609mm)	28" (711mm)	60"	34"	25"	400 lbs
MLBT-36	36" (914mm)	28" (711mm)	36" (914mm)	60"	44"	45"	500 lbs
MLBT-54	54" (1372mm)	36" (914mm)	52" (1320mm)	60"	44"	45"	550 lbs

INCLUDED ITEMS		SHIPPING WEIGHT & SIZE			
PN #	DESCRIPTION	LENGTH	WIDTH	HEIGHT	WEIGHT
ML-OB	Operator Control Box	54"	36"	43"	460 lbs
ML-RW	60' Wiper Rod Set	98"	9"	9"	70 lbs
HP-51	51' Handle Package	98"	9"	9"	107 lbs



**SCAN TO WATCH THE OPERATION VIDEO FOR THE MEGA-LARGE**





ELIMINATE THE BEAD

# UEBT

## UNIVERSAL EXTERNAL BEADTRIMMER™

Exactly what it sounds like, the Universal External BeadTrimmer™ (UEBT) will remove external fusion beads on all pipe diameters from 12" to 65". The UEBT is a pneumatic tool and requires an air compressor (not included) to power the reciprocating steel chisel. It is the most effective way to remove the external fusion bead, of almost any size.



Locate a Distributor at [WWW.RLMFG.COM](http://WWW.RLMFG.COM)

# HP

## HANDLE PACKAGE



Handle Packages are compatible with all BeadTrimmer™ head sizes, including our Mega-Large. Each Handle Package includes Anodized Aluminum Torque Tubes (number and length depend on package), Torque Tube Unions and locking pins, Tee-Handle Head, and shipping/storage container.

The Standard Handle Package (51-HP) provides 51' of reach, ample length to reach the fusion bead on 50' pipe sticks. Need more length? Combine multiple handle packages to extend your reach. We've seen beads removed at over 1,200 feet!

Also Available as Rental

HANDLE PACKAGE		INCLUDED TORQUE TUBES							SHIPPING WEIGHT & SIZE			
PN#	REACH	7'9"	4'6"	3'6"	3'	18"	TU	TH	LENGTH	WIDTH	HEIGHT	WEIGHT
51-HP	51' (15.5m)	6	1		1	1	7	1	98"	9"	9"	107 lbs
52-HP	52' (15.8m)			14	1	1	14	1	98"	9"	9"	112 lbs
20-HP	20' (6m)	2		2		1	3	1	98"	9"	9"	64 lbs

# CSS

## COUPLER SUPPORT SLEEVES

Recommended for larger diameter pipes with high torque requirements, Coupler Support Sleeves quickly slips over Torque Tube joints to provide support and prevents damage to the Handle Package Unions and Pins.



**7 Coupler Support Sleeves, 14 Long Pins per Set (PN# CSSA-005)**



ELIMINATE THE PROBLEM

# WHY REMOVE THE BEAD?

## ELIMINATE THE BEAD. ELIMINATE THE PROBLEM.

The internal and external fusion bead is structurally superfluous to the fused pipe, and can be removed without compromising the integrity of the weld or the pressure rating of the pipe. The internal fusion bead can promote blockage in low grade, gravity HDPE piping systems – which can restrict flow, entrap bio-film and bacteria, as well as promote pipe wall wear due to the turbulent flow of abrasive materials.

**In removing the internal bead, the BeadTrimmer™ streamlines the entire piping system, optimizes flow, and eliminates potential blockage issues in the future.**

Bead removal is appropriate in a variety of situations and installation methods. It is common to remove the interior bead in gravity sewer applications where the slope of the pipe is <2%. Removing the internal/external bead is an observed and effective practice in HDD, pipeline pigging operations, swagelining, sliplining, duct and conduit work, and dual containment systems.

For more information about HDPE bead removal and the BeadTrimmer™ tooling, go to:

[WWW.RLMFG.COM](http://WWW.RLMFG.COM)



Manufacturer of the

**BEAD TRIMMER™**  
HDPE fusion bead removal tooling



PROUD TO BE **AMERICAN MADE**



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