

Catalog 2024

# T.C. RECYCLING

*a Family Company*

# Table of content

Milling Bits	3
Drum Hardware	5
Hand Tools	8
Wear Skis	10
Scraper Edges	13
Track Pads	15
Undercarriage Parts	18
Conveyor Components	20
Drums & Milling Machines	22
Recycling	23
Meet the Team	24
Locations & Contacts	28

**\*\*Thank you for choosing us to help with your milling equipment! Please direct any questions to your sales rep listed at the bottom, and we'll be glad to guide you to the right choice for you and your company.**

# About MasterGrade™

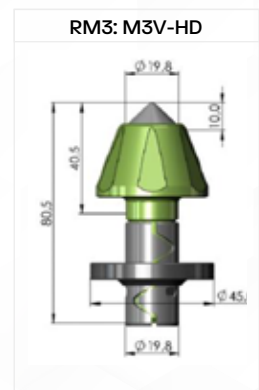
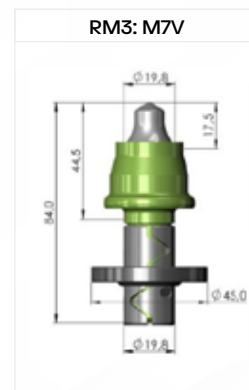
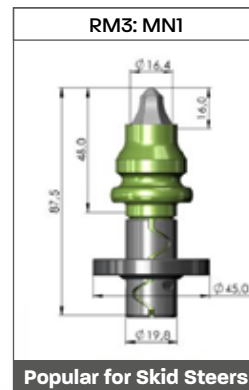
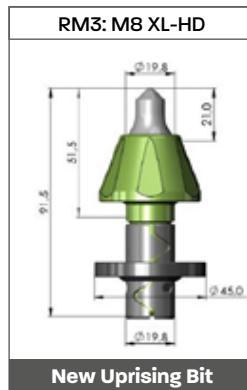
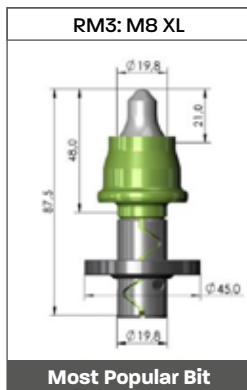
MasterGrade™ bits use Element Six's proprietary Nanotechnology to enhance the cobalt binder matrix and optimize the bit's toughness. These innovative carbides result in a versatile bit that offers greater wear resistance, improved tool life and increased operating efficiency.

## HD™ Series

**Extended Tool Life**

**Superior Performance**

**Improved Reliability**



**\*\*More bits available upon request. Please ask your sales rep if looking for a specific type of bit i.e. Drill Bits, Concrete Bits, Trenching Bits, etc.**



A large red and black TC Recycling bin is positioned in the foreground on the right side of the image. The bin has a red top with two black handles and a black body. A yellow label on the front of the bin features the 'TC RECYCLING' logo, a 'MADE IN GERMANY' badge, a picture of a TCX milling bit, a QR code, and the slogan 'IT'S ALL ABOUT THE TIP'. The background shows a paved road stretching into the distance, flanked by a dense forest with trees in autumn foliage. The sky is overcast. The overall scene is set against a dark grey background with a hexagonal pattern on the left side, where the text is located.

# TC RECYCLING

At TCR, we collaborate closely with our valued customers & engage in a dynamic process of co-creation, constantly developing new solutions that anticipate and meet the evolving requirements of the industry we serve.

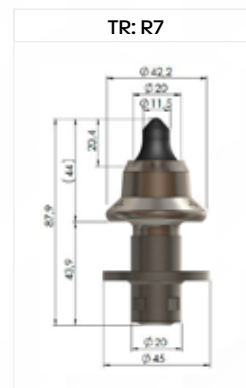
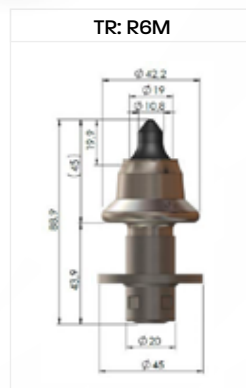
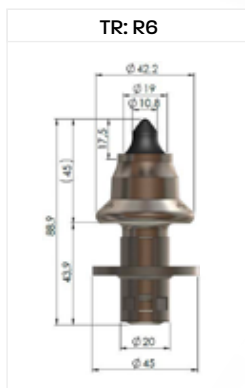
TCR is not just a distributor; we are a partner in progress, dedicated to delivering excellence across all facets of our operations and forging lasting connections with our clients worldwide.

We are excited to introduce our newest milling bit to our family. Please reach out to your sales representative for more information.

We are excited to introduce our newest milling bit to our family. Please reach out to your sales representative for more information.



- Carbide grade for most challenging applications
- Durable components for long service life
- 360 Degree brazing for maximum braze coverage
- High hardness protects against abrasion
- Wide collar for optimal holder protection




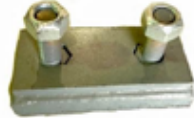

















# Drum Hardware

TCRecycling builds these drum paddles In-House. They are made to be reversible. Bent to shape while still movable, creating less breakage and stronger material. These drum paddles will go several seasons before needing to be replaced.

Part #	Description	Dimensions	Image
TCR0635	Drum Paddle 250mm 10"	10 x 4	
TCR7612	Drum Paddle 250mm 10"	8 x 4	
TCR0636	Drum Paddle 250mm 10"	6 x 4	
Tripdl12	Drum Paddle 250mm 10"	6 x 3 *Bolts on 3 1/2 centers	
RDP140	Roadtec Drum Paddle 3" Threaded Hole Center	*Includes various versions	

Part #	Description	Image
<b>Paddle Bolt</b> <b>Paddle Nut</b>	*Always included w/ purchase. of drum paddles	
<b>TCRHT11</b>	HT11 Holders	
<b>11565</b>	QC100 Base Assembly	
<b>113348</b>	QC110HD Block	
<b>C10AMC</b>	Weld-on C10AMC Block	
<b>C10HDBLK</b>	Weld-on Block	
<b>TCRS303-R</b>	Equivalent to KMTL KPF303R (10 per box)	
<b>TCRS303-RX</b>	Equivalent to KMTL KPF303RX (10 per box)	
<b>1873505</b>	KPF301 Base	
<b>PLG1122</b>	Plastic Cap Plug	

Part #	Description	Image
<b>RSM302</b>	Retaining Screw M30x2	
<b>SLHT11</b>	Seal HT11 Style	
<b>SLHT22</b>	Seal HT22 Style	
<b>6615883</b>	Sleeve fits CB22 & CB11	
<b>6615886</b>	CB22 (15 per box)	
<b>6615882</b>	CB11 Base Weld-on	
<b>1971419</b>	KPF201 Block	
<b>6407245</b>	KPF200 Bushing KPF200RPX Bushing	
<b>WR0414</b>	Wear Protector for drum end ring WR2500	
<b>WR8193</b>	Wear Protector for drum end ring WR240, WR240i, WR250, WR250i	















# Hand Tools

TC Recycling offers a variety of the necessary tools for the installation and removal of the milling bits and the holders. Our team can provide your tool of preference if it is not listed below. Please contact your sales representative to get more information.



Part #	Description	Image
BRHH	Handheld Bit Remover	
38CUP	3/8" Air Hammer Install Cup	
W303WPF	303 Sleeve Wedge Puller Finish	
W303WPS	303 Sleeve Wedge Puller Starter	
BR12AH	1/2" Bit Remover	
BR38AH	3/8" Bit Remover	







Part #	Description	Image
BRFH	Handheld Fork Bit Puller	
BRCAT38AH	3/8" Air Hammer Bit Remover CAT Machine	
W102WP	W102 Sleeve Puller 36 mm	
303CUP	Diamond install cup (303 style)	

# Wear Ski's











**TC Recycling** offers the wear skis for many different brands and models of machines. If there is a particular machine that needs a side ski, please inform your sales representative and we can build what you need with our A-list materials and fabrication expert. This process will take 1–2 weeks





Our skis are made in house with 40 % more chromium carbide than the original product with the manufacturing assistance of **JADCO**. The life span of our wear skis last anywhere from 1800 – 2600+ hours



Part #	Description	Image
<b>TCR1214</b>	Trap Door Ski (Fi Machine)	
<b>TCR1404</b>	Wear Ski	
<b>TCR 2903</b>	Wear Ski	
<b>TCR4750</b>	4 Hole Wear Ski (Fi Machine)	
<b>TCR4905</b>	Front Curve Wear Ski (Fi Machine)	
<b>TCR5630</b>	Wear Ski	



Part #	Description	Image
TCR6074	Wear Ski	
TCR7828	Wear Ski	
TCR9177	2 Hole Wear Ski (W150 Machine)	
TCR9386	Wear Ski	
TCR9390	Wear Ski	
TCR3415	Trap Door Ski (Fi Machine)	
TCR405-3	Roadtec End Gate Wear Ski	
CAT Millski	Wear Ski – CAT Milling Machine	
CAT SkdLdrSKI	Wear Ski – CAT Skid Loader	
CAT 562/9317	Wear Ski for PM622/822 right side	
CAT 609/0969	Wear Ski for PM622/822 left side	

Hardware		
Part #	Description	Image
<b>LtXBrmSA</b> <b>RtXBrmSA</b>	Wear Ski assembly for X Broom Left Side Wear Ski assembly for X Broom Right Side	
<b>BLT12x2</b>	Grade 5 Carriage Bolt	
<b>FW12</b>	Flat Washer	
<b>NyNut12</b>	13 Grade C Nylock Nut	











# Scraper Edges

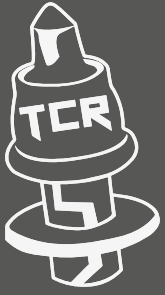
Our scraper edges are Type 1– Style the carbide inserted within the steel casing. They are manufactured through **element6** in Germany. They provide more carbide in the scrapers comparatively to the OEM products.



Part #	Description	Image
1401 0044	Scraper 3 Hole B248 (OEM 43408, 146456, Fi 2599991)	
1401 0045	Scraper 4 Hole B248 R (OEM 44638, 146457, Fi 2549998)	
1401 0046	Scraper 4 Hole B248 L (OEM 44639, 146458, Fi 2549999)	
1401 0048	Scraper 2 Hole B100 (OEM 56731, 146459, Fi 2754289)	
1401 0049	Scraper 2 Hole B145 (OEM 60117)	
1401 0054	Scraper 3 Hole B145 L (OEM 56336, 146461)	



Part #	Description	Image
1401 0055	Scraper 3 Hole B145 R (OEM 56335, 14640)	
BLTM1050	M10 12.9 Socket Head Cap Screw	
FWM10	M10 Flat Washer	
NynutM10	M10 1.5 Nylon Lock Nut	
TCRSC225326-03-1	Roadtec Scraper RX79 RH	
TCRSC225326-03-2	Roadtec Scraper RX79 Center	
TCRSC225326-03-3	Roadtec Scraper RX79 LH	
TCRSC225327-03-1	Roadtec Scraper RX86 RH	
TCRSC225327-03-2	Roadtec Scraper RX86 Center	
TCRSC225327-03-3	Roadtec Scraper RX86 LH	
TCRSC225328-03-1	Roadtec Scraper RX98 RH	
TCRSC225328-03-2	Roadtec Scraper RX98 Center	
TCRSC225328-03-3	Roadtec Scraper RX98 LH	
TCRSC94271-03-1	Roadtec Scraper RX150 LH	
TCRSC94271-03-2	Roadtec Scraper RX150 LH Center	
TCRSC94271-03-3	Roadtec Scraper RX150 RH Center	
TCRSC94271-03-4	Roadtec Scraper RX150 RH	



## **Superior Tire & Rubber Track Pads**





# CUSHOTRAC<sup>®</sup> ULTIMATE<sup>™</sup>

GUARANTEED<sup>\*</sup>  
FOR  
2000 HRS

UPGRADEABLE TO  
3000 HRS

- The ONLY Track Pad With a Written 2,000 Hour Wear-Life Guarantee<sup>\*</sup>
- Ultra-long lasting & abrasion resistant polyurethane compound
- Larger footprint designed to provide maximum traction - even on wet surfaces
- Reinforcing Steel-On-Steel<sup>™</sup> technology eliminates early wear from pad loosening

ULTIMATE PERFORMANCE.  
ULTIMATE WEAR-LIFE.



IT'S ALL ABOUT THE TIP

**TC RECYCLING**

1.435.705.9106 [www.TCRecycle.com](http://www.TCRecycle.com)



**SUPERIOR**  
TIRE & RUBBER CORP.  
HEAVY EQUIPMENT COMPONENTS  
**ENGINEERING REVOLUTION<sup>™</sup>**

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# CUSHOTRAC ULTIMATE™

## The Best Milling Track Pad on the Planet

**Guaranteed for 2,000hrs or 3,000hrs** – The only written warranty, no hassle registration.

**Lowest Life-Cycle Cost** – From proprietary polyurethane that provides the highest abrasion, cut & tear resistance.








**Enormous Footprint** – Provides more traction in all milling conditions, putting your horsepower to the ground.

**Steel On Steel™ Technology** – Critical design element that eliminates loosening and premature pad failure as well as keeps bolts from spinning.






WIRTGEN						
Model	OEM Part#	CUSHOTRAC ULTIMATE Part# OEM Shoes	CUSHOTRAC Poly BTS™ Part# OEM Shoes	vv™ Part# A/M Shoes	CUSHOTRAC Poly BTS™ Part# A/M Shoes	# of Pads Required
W1000, W1200, W1300, W1500, W100, W120, W130, W150	2411111	1010512UL	1010513	1010507UL	1010504	80
W2000, W210, W210i, W207	2411112	1012074UL	1012075	1012066UL	1012055	92
W2100, W220	2102698	1014070UL	1014104	1014063UL	1014055	96
W2200, W250	2411112	1014071UL	1014104	1014063UL	1014055	104
W2200, W250	2411112	1014071UL	1014104	1014063UL	1014055	104

ROADTEC				
Model	OEM Part#	CUSHOTRAC ULTIMATE™ Part#	CUSHOTRAC Poly BTS™ Part#	# of Pads Required
RX300	N/A	1010507UL	1010504	84
RX400	N/A	1010507UL	1010504	84
RX500 (Front)	210517-04	1012066UL	1012055	24
RX500 (Rear)	212290-04	1014100UL	1014058	25
RX500 (4 Legs)	210517-04	1012066UL	1012055	96
RX600 (Front)	210517-04	1012066UL	1012055	24
RX600 (Rear)	212290-04	1014100UL	1014058	25
RX600 (4 Legs)	210517-04	1012066UL	1012055	96
RX700 (Front)	208888-04	1014063UL	1014055	25
RX700 (Rear)	208893-04	1016041UL	1016038	28
RX700 (4 Legs)	208888-04	1014063UL	1014055	100
RX900 (Front)	208888-04	1014063UL	1014055	26
RX900 (Rear)	208893-04	1016041UL	1016038	29
RX900 (4 Legs)	208888-04	1014063UL	1014055	104
RX505	210517-04	1012066UL	1012055	80

Part #	Description	Image
<b>TS138451</b>	Track Slide (W2000, W2100)	
<b>TS2056527</b>	Track Slide (W100)	
<b>TS2139779</b>	Track Slide (W210, W200i)	
<b>TS2212009</b>	Track Slide (W220, W250)	
<b>2063489GDrill</b> <b>2063490GDrill</b> <b>2063491GDrill</b> <b>2063492GDrill</b>	10.5" OEM grouser (W100 Series/W1000/W1200F/W1300F) 12" OEM grouser (W2000/W210/W220) 14" OEM grouser (W2100/W220) 14.3" OEM grouser (W200/W250i/W2200)	
<b>PIN-1351</b> <b>PIN-1766</b> <b>PIN-LH1</b> <b>PIN-5035</b>	Track chain pin 1351 Track chain pin 1766 Track chain pin LH1 Track chain pin 5035	
<b>SPKT 1234</b> <b>SPKT 1346</b> <b>SPKT 3013</b> <b>SPKT 5602</b>	Sprocket (OEM 121234) Sprocket (OEM 41346) Sprocket (OEM 133013) Sprocket (OEM 55602/255933)	

Quick Change  
Pins

Part #	Description	Image
<b>IDL 1689</b>	Track idler OEM 191689	
<b>IDL 3014</b>	Track idler OEM 133914	
<b>IDL 7105</b>	Track idler OEM 2227105/2702212	
<b>IDL 9776</b>	Track idler OEM 2139776	
<b>TCR 10sCP-FT1351/20</b>	10.5" chain only (W100 Series/1000/W1200F/W1300F/RX300i/RX400)	
<b>TCR 10sCP-LH1/23</b>	12" chain only (W2000/W210/W210i/W207Fi/RX500/RX600)	
<b>TCR 10sCP-FT1351/24</b>	10.5" chain only (W200/W200i/W1300/W1500/W1900/W200DC)	
<b>TCR 10sCP-CR1766/24</b>	14" chain only (W2100/W220/W2100VC/W2100DC)	
<b>TR1494</b>	Track Roll OEM 2111494 (W200 Fi, W210, I, F, Fi, XP)	
<b>TR0670</b>	Track Roll OEM 2070670 (W220, I, Fi, Fi/W2100)	
<b>TR5046</b>	Track Roll OEM 2165046 (W250, I, Fi, W240CR/CRi/W380CR, CRi)	
<b>TR7106</b>	Track Roll OEM 2227106 (W100/120/130Models; W120xti; W150Models)	



TC Recycling will build your tracks for you! Along with the track pads, we stock the chains (ITM), grousers (OE & Aftermarket) and hardware required for a full chain assembly. If you'd like these pieces individually or altogether assembled, please contact your sales representative for pricing and time frame. Chain assemblies are typically completed the day of the order and shipped out the following day.



# Conveyor Components

## MANUFACTURING AND FABRICATION FEATURES

### ENDLESS SPLICE

- Provides superior tensile/breaking strength
- Proprietary design allows splice to better withstand harsh operating conditions
- Flexible properties allow the belt to withstand high speeds and small pulley diameters

### BELT RUBBER COVERS

- Specially formulated compounds provide superior abrasion resistance
- High, natural rubber content provides exceptional tear strength, as well as cut and gouge resistance
- Contains ozone inhibitors to withstand effects of prolonged exposure to hot/harsh conditions

### SINGLE PLY/STRAIGHT WARP

- Exceptionally strong and durable fabric
- Designed to provide superior resistance to gouging, tearing, and puncturing
- Better able to withstand the abuse of sharp and abrasive material on primary conveyor

### Fabric/Carcass

- High-strength, low-stretch, all-polyester fabric
- Special fabric weave enhances endless splice strength
- Flexible properties allow the belt to withstand high speeds and small pulley diameters
- Enhanced belt tracking and improved overall performance

**Molded V-Cleat Pattern**  
12" cleat centers – metric widths available

**16" CLEAT PATTERN**

- 24" maximum belt width
- 1/2" cleat height
- 1-3/16" cleat base width
- 1/2" high continuous stabilizing center profile
- Base belt: 2-ply 220 5/32" x 3/32" for smaller pulleys

**20" CLEAT PATTERN**

- 30" minimum belt width
- 1" cleat height
- 1-1/4" cleat base width
- 1" high stabilizing center profile

**26" CLEAT PATTERN**








- 36" minimum belt width
- 1" cleat height
- 1-1/4" cleat base width
- 1" high continuous center profile

**32" CLEAT PATTERN**

- 42" minimum belt width
- 1" cleat height
- 1-1/4" cleat base width
- 1" high continuous center profile

Additional cleat patterns available upon request | manufactured by: **CONVEYANCE SOLUTIONS**



Part #	Description	Image
FR111348	Flat Return Roller (W2000)	
FR116747	Flat Return Roller, Discharge (W2200)	
FR146072	Flat Return Roller, Primary (W2200)	
FR191392	Flat Return Roller, Primary (W120, W150)	
FR2091190	Flat Return Roller (W210/W200i)	
FR2147184	Flat Return Roller Lower (W220, W250)	
FR2219716	Flat Return Roller Upper (W220)	
FR90121	Flat Return Roller, Discharge (W120, W150)	
GR111363	Garland Roller (W2000)	
GR116524	Garland Roller (WW250)	
GR138312	Garland Roller (W220)	
GR190448	Garland Roller, Primary (W120, W150)	
GR2091189	Garland Roller (W210, W210i)	
GR90120	Garland Roller, Discharge (W120, W150)	
GR54954	Guide Roll	
TP0357	Tail Pulley Prim. OEM 190357	
TP1645	Tail Pulley Prim. OEM 2141645	
TP5093	Tail Pulley P&S OEM 2105093	
TP8746	Tail Pulley Sec. OEM 2178746	
HP7761	Head Pulley Prim. OEM 127761	
HP0358	Head Pulley Prim. OEM 190358	
HP7985	Head Pulley P&S OEM 2107985	
HP8926	Head Pulley Sec. OEM 138926	

**TC Recycling works with Industrial Composites to create our rollers and track slides. The company has been in the industry of building these pieces for 20+ years. The rollers are Double Seal and Repairable on each end and lasts 2:1 the OEM lifespan.**



# Drums & Milling Machines

## Drums & Milling Machines for Sale – by region listings

TCR offers new drums and drum rebuilds. With our large network in the industry we also sell used machines, housings and many other parts and components for your milling machines. Contact us with what you are looking for and we will do our best to find it for you.

Please inform your sales rep if you're looking to buy or sell a used milling machine. We have a list created with our customers by region to whom may be looking for something in your area. We are happy to help get you in contact with the right people with your interests. \*\*we make sure to get the machines out of the state they are originally being sold from to prevent competitiveness with peers in the same state. We can work with you to create the perfect drum you need for your machine!

Our drums are built in Pennsylvania by one of our expert team members, Jim Bruich. He has been working with drums in the milling industry for over 25+ years with an extensive amount of knowledge from each model and brand of drum available.

If you'd like a quote or having issues with your current drum, please contact your sales rep and we'll be glad to assist or direct you to our expert.





## TC RECYCLING

### Tungsten Carbide Recycling

Hello! Thank you for your interest in TC Recyclings' Scrap service. Below is specific information about the program and all of the benefits that are included.

Scrap: We want your used milling and diamond bits. We will buy used bits and you can apply that scrap credit towards any products that TCR offers, or we can pay by check, cash, cashier's check, etc. whichever you prefer. If you can provide pictures and the quantity of scrap that you have, then we can provide you pricing. We have totes that we can provide you upon request to put your scrap in and we can haul it off when they are filled. Scrap pricing is based on the market value so please inquire for up-to-date pricing.

Scrap pricing is based on the market value which can change throughout the year. This is solidified after we can see the quality of the scrap.

Below are some images displayed the tote that we would send (free). If you prefer to stay with barrels, for the truck loads they can be loaded with pallets underneath each barrel, or your team can put holes on each side of the barrel and lift them and place directly onto the truck. We ask that the scrap is topped off or completely full for us to best estimate the weight of each barrel.

Once we can get through sorting the teeth from the miscellaneous objects (dirt, trash, holders, anything without carbide), we may deduct from the total if there is an excessive amount of non-carbide items.

For the credit aspect, we **always give a higher price** if you choose to direct the money from the barrels to purchase a product from TCR. This can be bits, track pads, grousers, wear skis, chains, etc. This can be included on previous purchases as well if they are recent sales!

Thank you again and we hope this information has been helpful!

*R. Rosemeyer*

# Meet the Team

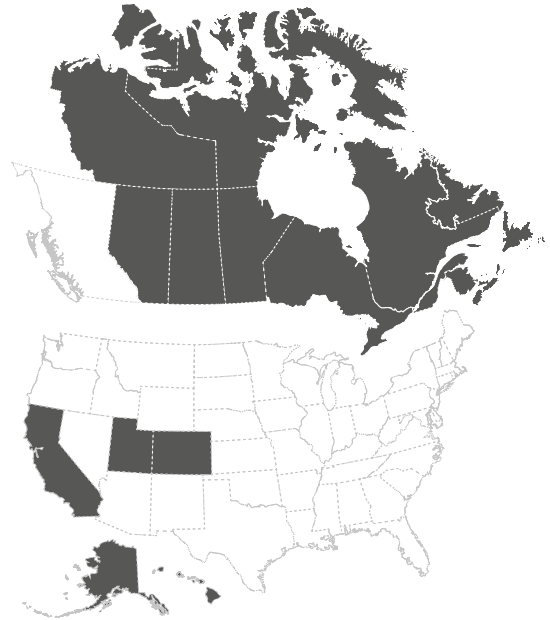


## Ryan Rosemeyer

**President &  
Chief of Operations**

Ryan Rosemeyer worked at LVP in Las Vegas, NV for 20+ years as a milling operator running CMI Machines and the E6 bits. He began this business in his backyard alongside his wife for 27 years, Kristi and his 4 kids – Tanner, Morgynn, Lexi, and Cash. Established in 2016 and operational in 2018 with his partner Joe Owens.

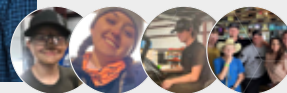
The company has grown exponentially and continues with the support of his family & our close team.



Northern California, Utah, Colorado, Alaska, Hawaii, & Canada



Washington, Montana, Idaho, Oregon, Wyoming, British Columbia



## Joseph Owens

**CFO &  
Vice President of Operations**

Joseph Owens started his career as an ironworker. He created his business Owens Steel Services in Hurricane, UT in 2015.

Ryan & Joe have been best friends for 30+ years so starting up TCR was a great new step forward into their lifetime friendship and success. Joe's family have supported the creation of TCR with their help from the beginning to presently. Joe's kids are Jayce, Kylee, Jesse, and Jaden.

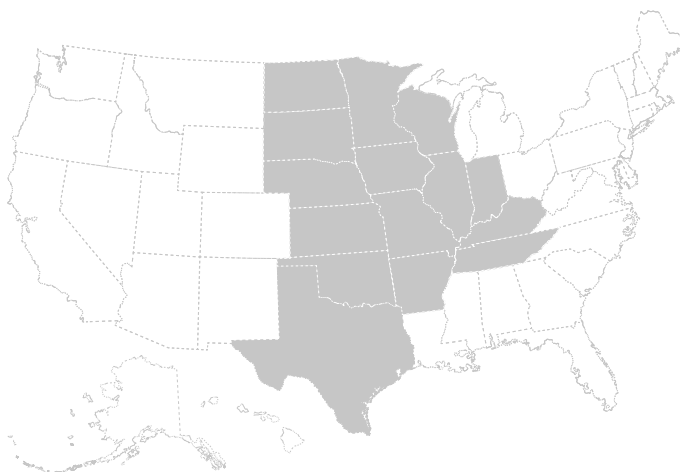
# The Sales Team



**Darin Grimes** TC Recycling  
Sales Manager Central Region

(913) 787-7726

Darin@tcrecycle.com



Texas, Oklahoma, Arkansas, Tennessee, Kentucky, Illinois, Indiana,  
Wisconsin, Iowa, Minnesota, Nebraska, North Dakota,  
South Dakota, Kansas



Michigan, Ohio, Pennsylvania, D.C., Maryland, Delaware, New York,  
New Jersey, Vermont, Connecticut, Massachusetts, Maine,  
Rhode Island, New Hampshire, eastern Canada



**Jim Bruich** TC Recycling  
East Coast Operations Manager  
& Drum Specialist

(724) 984-5510

Jim@tcrecycle.com

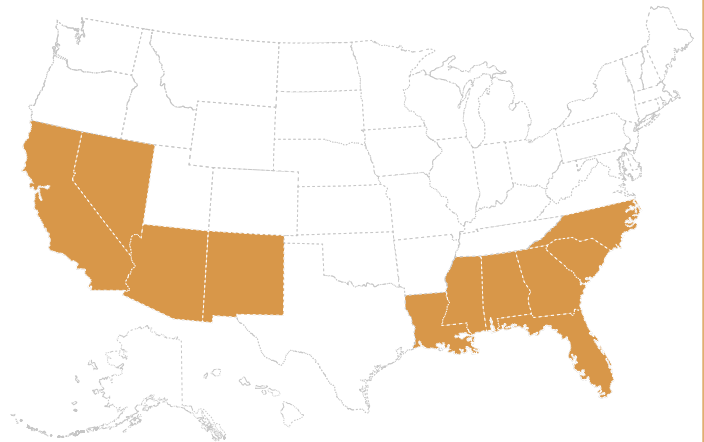




**Faith Read** TC Recycling  
Sales Representative

(702) 205-1149

Faith@tcrecycle.com



California, Nevada, Arizona, New Mexico, Louisiana,  
Mississippi, Alabama, Georgia, Florida, North Carolina,  
South Carolina

## The Office Gals



**Morgynn**

Processes sales orders,  
provides invoices, schedules  
trucks for pick-ups.



**Mindy**

Deals with the shipping carriers,  
keeping track of shipments and  
confirms deliveries, assists field  
sales reps.



# The Shop Crew

These gentleman work hard daily to recycle the scrap teeth on our recycling end as well as keeping inventory organized and stocked up. They assist with deliveries coming and going out of the shop and putting orders together the same day providing quick service to our sales reps and their companies.



**Justen Wright**

Shop Supervisor



**Cheryl Millsap**

Logistics Specialist



**Tony Schultz**

Pennsylvania Shop



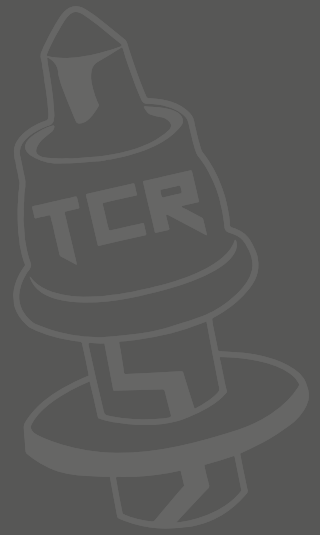
**Tucker Rosemeyer**

**Jesse Owens**

**Mason Fuller**

# Thank you!

For choosing T.C.R. to help you with your milling needs. We appreciate all of our customers, friends, and family for your support and laughter. We will continue to show our integrity, and loyalty as we grow with you.



## Locations & Contacts

### TCR Headquarters Utah

5169 Industrial Dr.  
Hurricane, UT 84737

Office Number HQ  
(435) 705-9106

### TCR Pennsylvania Shop & Fabrication Services

609 Fairbank Herbert Rd  
New Salem, PA 15468

Office Number HQ  
(435) 705-9106