



Company Overview



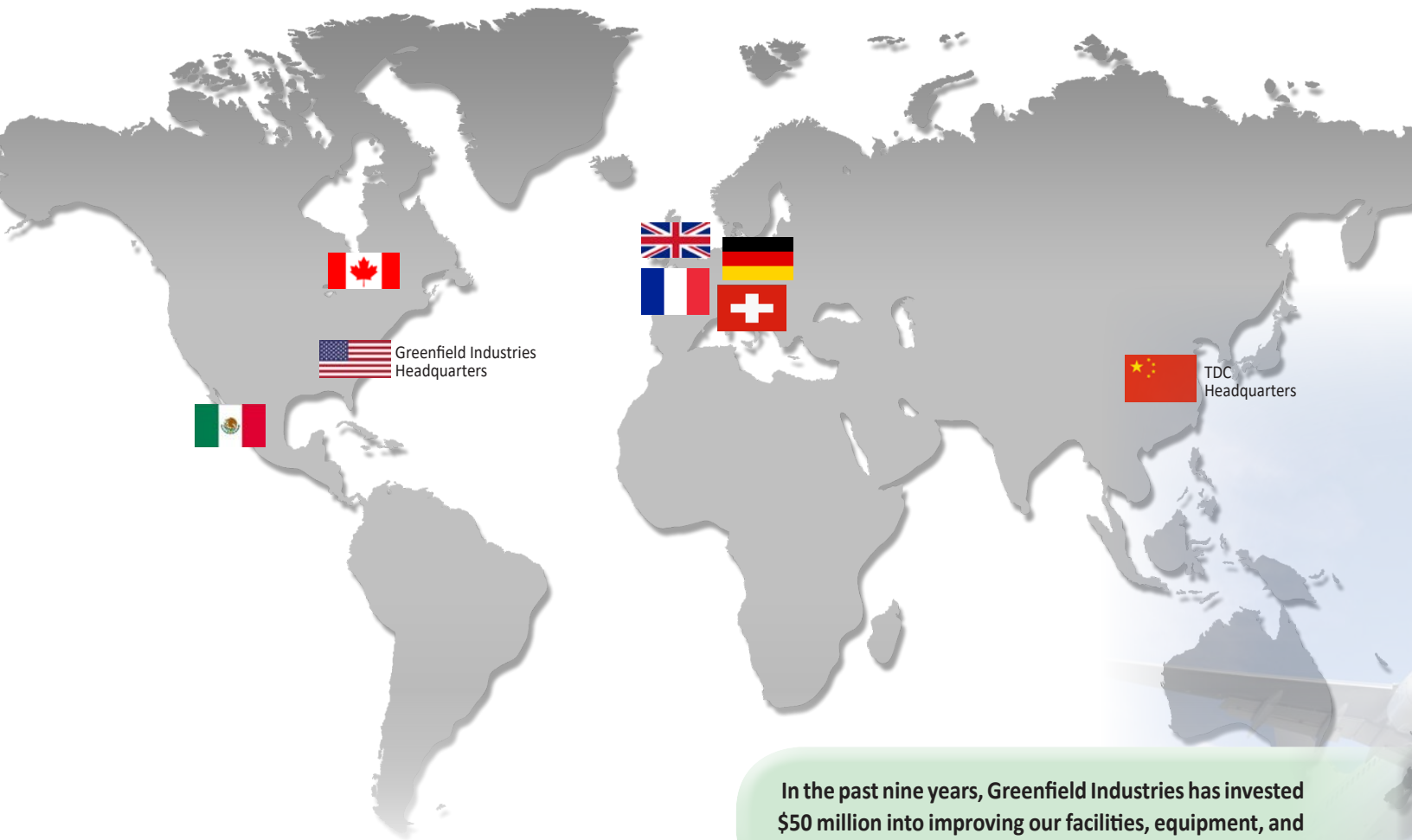
Supplying Cutting Tools World-Wide

Our trusted brands stand for innovation, quality, and user confidence.



Premium Cutting Tools

Global Manufacturing



In the past nine years, Greenfield Industries has invested \$50 million into improving our facilities, equipment, and internal systems to increase capacity and efficiency.



Greenfield Industries is a world-leader in manufacturing quality cutting tools. Our industry leading brands offer superior technical and application support for our customers.

Modern and efficient manufacturing facilities in Seneca, South Carolina have been in operation since 1961 and have a proven reputation for quality products and services.

Sold only through authorized industrial distributors world-wide, we manufacture complete product lines for most round cutting tool requirements including specials and standard products.

TDC TDC Cutting Tools Company is one of the fastest growing cutting tool companies in the world and is the world market leader for high speed steel cutting tools.

Its vertical integration, covering the complete supply chain, from mining ore to smelting steel, gives TDC a competitive advantage over its competitors in our increasingly volatile economy.

TDC employs around 3,000 employees worldwide and produces over 300 million tools and 6,000 miles of saw blades annually. Operations including manufacturing, sales, and distribution have been established across the globe in China, Germany, France, Switzerland, Mexico, Canada, England, and the United States.

Vertical Integration

Complete Product Control

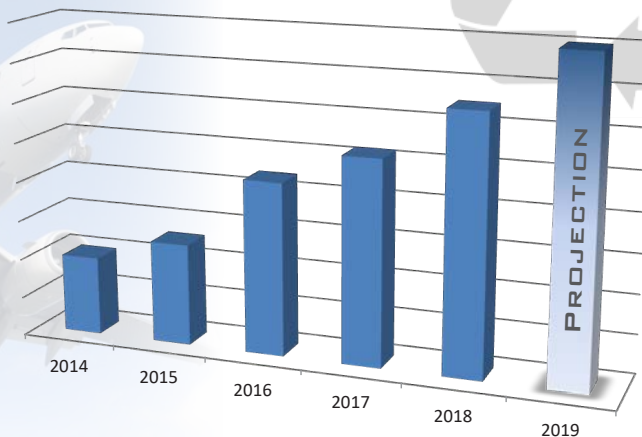


By strategically owning and controlling the mines and mills that produce the finest raw materials for our cutting tools, from mine to machine, this **exclusive raw material** is developed to allow Greenfield to lead the industry in unparalleled drills, taps, end mills, dies, and other specialty manufacturing tools.

Our tools build the products that move America.

A Cleaner Environment

GreenTech Global Recycling is a part of Top-Eastern Group and was founded in 2012.



GreenTech has seen a sustainable increase in recycled materials since its inception. With this yearly increase of recycled materials GreenTech feels confident that the future reliance on this process is a significant advantage to our manufacturing process and our environment.

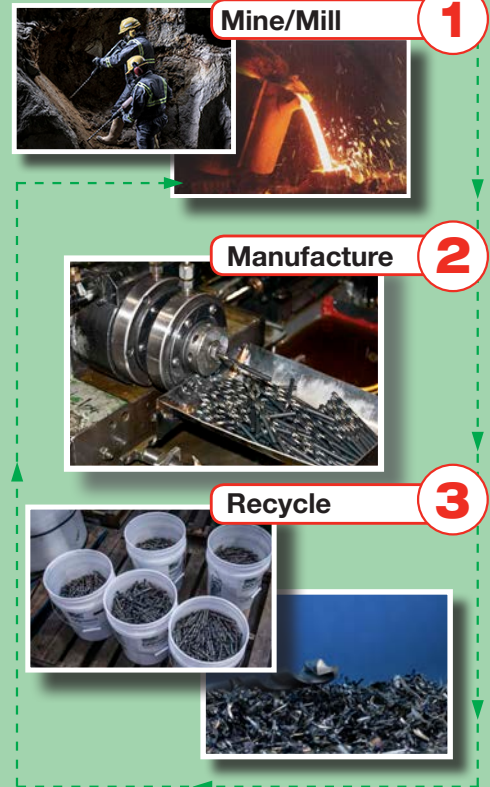
... reducing waste and helping the environment.

GreenTech buys non-ferrous material that is industry specific to TDC from:

- end-users
- scrap and metal recyclers
- brokers
- and local consumers.

These materials are then melted down and the process begins again; 360° Manufacturing.

Exclusive Raw Material



Seneca, S.C. USA (864) 643-1030
greentechglobalrecycling.com

Products & Brands

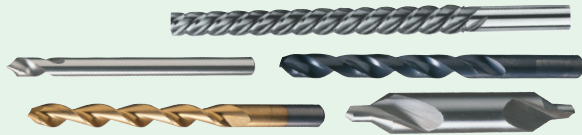
Tools for Every Application



The Cleveland® Brand offers a comprehensive selection of high performance drills, taps, and end mills which are focused to serve a wide range of workpiece materials.



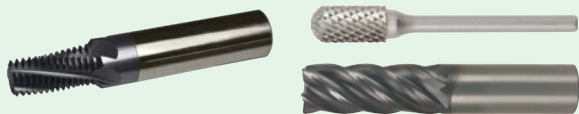
The Chicago-Latrobe® Brand features a broad offering of high-speed steel and carbide drills targeting general applications.



The Greenfield Threading® Brand offers a selection of high-quality taps and dies for use in machining a broad range of materials.



The Bassett Brand offers a selection of solid carbide end mills, drills, and burs for use in industrial manufacturing.



The Cle-Line® Brand presents a wide variety of tools for the maintenance, repair, construction, and industrial markets.



FYI 1994 - Greenfield Industries purchases the Cleveland Twist Drill Company.

Technical Product Training

Informative, Hands-on Training



Greenfield holds training classes several times a year for our customers, sales force, and distributors. Through these classes participants increase their level of expertise and are provided a hands-on experience in the Research & Development Center. They also watch as a dedicated CNC machine shows the capabilities of the precision tools Greenfield offers. Comprehensive application courses in a classroom setting provide detailed insights of our product brands, quality assurance, and how to help our customers by improving performance and saving costs.



Research & Development Lab

Our R&D lab, in Seneca, S.C., continuously works to create solutions. We develop new products that improve product performance, increase production, and stay cost effective.

*successful products
for customers across
the globe.*



R&D Lab developments provide:

- next generation tools
- solve problem applications
- ensure product performance

Product Information

Instant Access Availability

www.gfii.com provides extensive information about our products and brands. Easily navigated, our search function allows for quick location of specific items and our accurate distributor locator is constantly updated to provide effortless location of local distributors.

Detailed information is available with each product on our site. Easily search by:

- type
- style
- brand
- size

Also available:

- Product catalogs
- Interactive catalogs
- Informational flyers

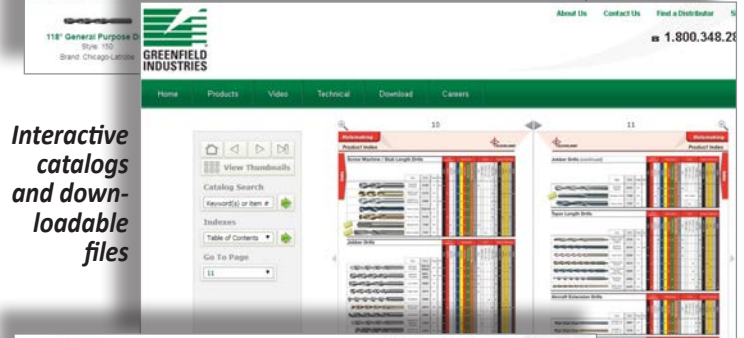
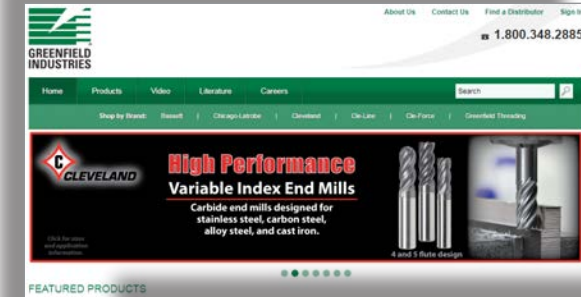
Downloading of:

- PDF's of decimal equivalents charts, drill, reamer, and screw thread tolerances
- Standard drill and tap dimensions

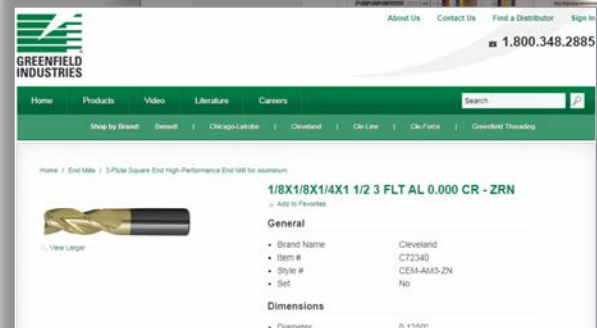
And informational videos from our R&D Center.

Finally, it is easy to contact us through our website. Drop us a note if you have any questions, requests, or need additional information.

User friendly website



Interactive catalogs and downloadable files



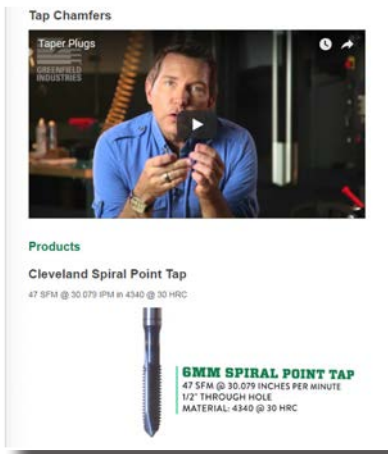
Detailed and technical information on each product

STANDARD DRILL DIMENSIONS

Inch Size Drills (all dimensions inches)

Drill Size	Decimal Equivalent	Screw Machine Length		Jobbers Length		Taper Length	
		Overall Length	Flute Length	Overall Length	Flute Length	Overall Length	Flute Length
1/64	.0156	—	—	3/4	3/16	1-1/2	5/16
80	.0135	—	—	3/4	1/8	1-1/2	5/16
79	.0145	—	—	3/4	1/8	1-1/2	5/16
78	.0160	—	—	7/8	3/16	1-1/2	5/16
77	.0180	—	—	7/8	3/16	1-1/2	5/16
76	.0200	—	—	7/8	3/16	1-1/2	5/16
75	.0210	—	—	1	1/4	1-1/2	5/16
74	.0225	—	—	1	1/4	1-1/2	5/16
73	.0240	—	—	1-1/8	5/16	1-1/2	5/16
72	.0250	—	—	1-1/8	5/16	1-1/2	5/16
71	.0260	—	—	1-1/4	3/8	2	3/4
70	.0280	—	—	1-1/4	3/8	2	3/4

Technical information for easy reference



Website Videos

Various videos are available through gfii.com. Learn about Greenfield Industries and TDC company history, as well as product videos that show the quality expected from Greenfield Industries' tools and products' brands.

Application & Field Support

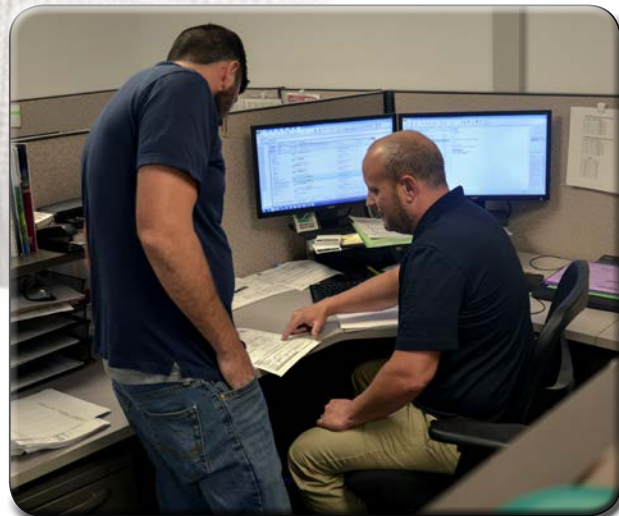
Solutions for Our End Customers

Dedication to customer service



Providing technical assistance to our customers is a key part of Greenfield value. The Greenfield sales and technical team can assist you in the manner that you desire. We are available by; phone, email, web or to visit your facility. We even have "how to" videos on our website for your use. If we are allowed to visit

your facility, we will; review your application, provide a solution and document the results. In addition to application assistance, Greenfield is known as the industry leader in education. We can provide product and application training at your location and at our facility.



Helping not only our future, but yours. We take care of our customers by providing **high quality products that improve performance and reduce expenses.**



GREENFIELD INDUSTRIES				Productivity Analysis Form-Drills			
A. Enduser Info:				Version 5.0			
Company Name:	Date:	Tool Type:	DRILL	B. Distributor Info:			
City:				Distributor:		City:	
E-mail Address:				State:		State:	
Contact:				Tel:		Potential \$:	
Part:	Grade Number: (ex 1018, 1022, 4140, etc)	Part Name:		Part Material:		Part #:	
Drill Size:	Drill Size (Dec only)			Part Material Hardness:			
E. Machine Info:				F. Tool Description:			
No Of Spindles:	Machine:	Speed Available:		Rotation:		Coolant:	
Vert/Horizontal:						Concentration:	
F. Tool Description:				G. TEST CRITERIA:			
Brand:	Style/List:	Competitor:		GI Brand:		Coating:	
EDP:						Pressure:	
Tool Size (Decimal Only):						Flute Description:	
Tool Length:						Shank Style:	
Number of Flutes:						Tool Material:	
H. Speeds:				I. Competitor:			
RPM:	SEM:	Competition:		GI Brand:		Hole Depth:	a
J. Machine Cost:				K. Tooling Cost:			
Machine Chg:	Machine Cost:			Machining Time (Sec.):		Tool Change Time:	
				Cost per Tooling Charge:		Tooling Cost per Tool:	
				Tooling Cost per Hole:		Total Mach:	



2015 - Greenfield Industries ground-breaking creates a 233,000+ sq. ft. facility.



Thinking of the Future

Recruitment and Training

The foundation of any organization is its people. At Greenfield, we invest in developing current and future leaders through aggressive recruitment and training. Effective leadership keeps our company strategically focused on facing an often unpredictable market.



Greenfield Industries has been working to develop employment programs for area youth and are proud to work with Apprenticeship Carolina™ and the State of South Carolina. In 2015 Greenfield partnered with Apprenticeship Carolina to establish the first youth apprentice program in Oconee County.



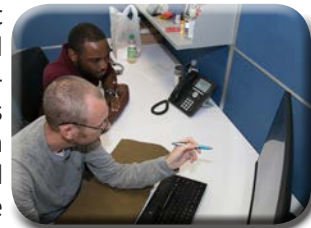
Greenfield's apprenticeship program gives students a career path from high school to industry and employees who earn-while-they-learn.

Internship Opportunities

Greenfield Industries encourages internship opportunities for the area college students. Our interns obtain career development opportunities that will give them the skills, knowledge and exposure necessary for career success. Our goal is to attract the brightest, most driven students and give them relevant experience to build leadership skills while helping us expand our worldwide operations.



Our Internship program is designed to provide insight into every aspect of the business by exposing students to different departments and job-specific assignments and projects. Our interns gain broad exposure to cross-functional areas in manufacturing and business operations. Also, an executive mentor assists them during their time with the company. Greenfield invests the area students' future because we believe it's key to our success.



Greenfield Industries is proud to work with Oconee County and the state of South Carolina to be an employer of choice for the area.



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