



PRODUCT GUIDE

SDI  **Steel Dynamics, Inc.®**



WHAT WE HAVE TO OFFER

Included in this brochure is a brief overview of the wide array of high-quality products and services currently available from Steel Dynamics and its subsidiaries in building-component manufacturing and recycling. We also offer a variety of value-added services with many of our steel products. What isn't discussed here is something that goes without saying among our many longtime clients—our top-notch customer service.

Please visit steeldynamics.com for direct access to all our divisions' products and services.

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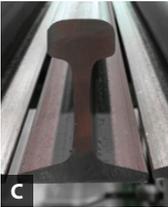
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www.steeldynamics.com

STEEL OPERATIONS

STRUCTURAL AND RAIL



END MARKETS Wide-flange beams and structural shapes are used primarily in construction: commercial and industrial buildings; bridges; skyscrapers; hospitals; airport terminals; stadiums; parking garages; office buildings; and distribution centers. They are used in energy projects, such as refineries, bio-diesel and ethanol plants, and other processing facilities; as well as in the manufacture of truck, trailer, and RV frames. **H-piling** supports such structures as bridges, roads, and oil and natural-gas pipelines. **Rail** is used in railway track by Class 1 railroads, short lines, commuter lines, and industrial plants. **Rebar** is used in various concrete, building, and highway applications.

PRODUCTS	DETAIL
A Wide-Flange , Standard, and M-beams. Web height from 4 to 36 inches	We produce wide-flange and standard beams in a wide range of web heights and weights, cut to standard or custom lengths up to 120 feet; H-piling in various sizes and weights up to 120 feet in length; M-beams used primarily in manufactured housing; angles ranging from 5x3 to 8x8 inches; Rail in various sizes up to 320 feet in length and welded rail up to 1,650 feet in length; and Nos. 3 through 8 rebar in industry standard lengths and compact spooled coils up to 5.5 NT in weight.
B H-piling	
C Rail	
D Structural shapes (channels shown here)	
E Angles	
F Rebar	

CONTACT US

Structural and Rail Division
2601 County Road 700 East
Columbia City, Indiana 46725

(260) 625-8100 main
(866) 740-8700 toll free
(260) 625-8950 main fax
(260) 625-8770 sales fax

ENGINEERED BAR PRODUCTS



A



B



C

END MARKETS Round bars are most frequently used to make parts — such as gears, shafts, axles, and flywheels — for rotating machinery applications. **Round-cornered squares** are mainly used in forging steel parts. Typically, our high-strength carbon and alloy-steel bars are custom-formulated for specific applications in heavy construction equipment, automobiles and trucks, agricultural equipment, mining, and marine drive systems. We also engineer and produce round bars for the manufacture of seamless pipe and tubing used in oil drilling, military, and other applications.

PRODUCTS

A Finished bar

B Rounds

C Round-cornered squares

DETAIL

We produce engineered Special Bar Quality (SBQ) steel in round bars ranging from 7/8-inch to 9-inch diameters and round-cornered SBQ squares in sizes from 2-3/4 to 8 inches. We provide such bar-finishing services as heat-treating, turning, straightening, polishing, chamfering, and precision saw-cutting, as well as non-destructive testing services. We also occasionally produce No. 7 to No. 18 rebar.

CONTACT US

Engineered Bar Products Division
8000 North County Road 225 East
Pittsboro, Indiana 46167

(317) 892-7000 main
(877) 683-BARS toll free
(317) 892-7005 main fax
(317) 892-7010 sales fax

STEEL OPERATIONS

MERCHANT BAR (Roanoke Bar Division)



END MARKETS Merchant bars are used primarily in light commercial construction and in joist manufacturing. They are also used in the fabrication of industrial and commercial equipment and by OEM customers in the manufacture of a wide variety of products, such as utility trailers, agricultural equipment and implements, material-handling equipment, and specialized transportation and manufacturing equipment. **Billets** are used in manufacturing rolled steel and in forging steel parts.

PRODUCTS

A Angles

B Channels

C Flat bars

D Rounds and rebar

DETAIL

We produce a broad range of standard carbon-steel merchant-bar products: angles ranging from 1 to 4 inches, 3- and 4-inch channels, flats from 1 to 6 inches wide, round bars up to 1.5 inches in diameter, and Nos. 4 through 11 rebar. These products are sold in industry-standard lengths. We also market steel billets.

CONTACT US

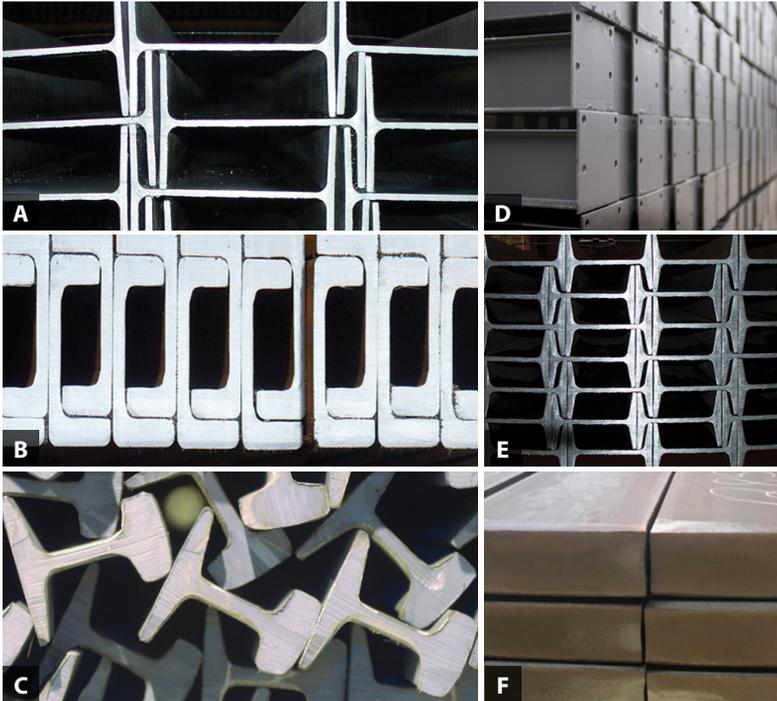
Roanoke Bar Division

P. O. Box 13948
Roanoke, Virginia 24038-3948

102 Westside Boulevard, NW
Roanoke, Virginia 24017

(540) 342-1831 main
(800) 753-3532 toll free
(540) 342-9437 main fax
(540) 342-6610 sales fax

SPECIALTY SHAPES AND LIGHT STRUCTURAL STEEL (Steel of West Virginia / Kentucky Electric)



END MARKETS Specialty shapes serve a wide range of OEM customers, including truck trailer and truck body manufacturers, industrial lift truck manufacturers, and off-highway equipment manufacturers. We also make **rail** and **related rail products** for mining applications, light rail systems, and crane rail systems. Our **standard merchant shapes** are primarily used in the construction industry, by rack manufacturers, and in such applications as manufactured housing and recreational vehicles, highway guardrail posts, and in the solar industry as posts on solar farms. A relatively new product is **bulb flats**, which are used in the shipbuilding industry.

CONTACT US

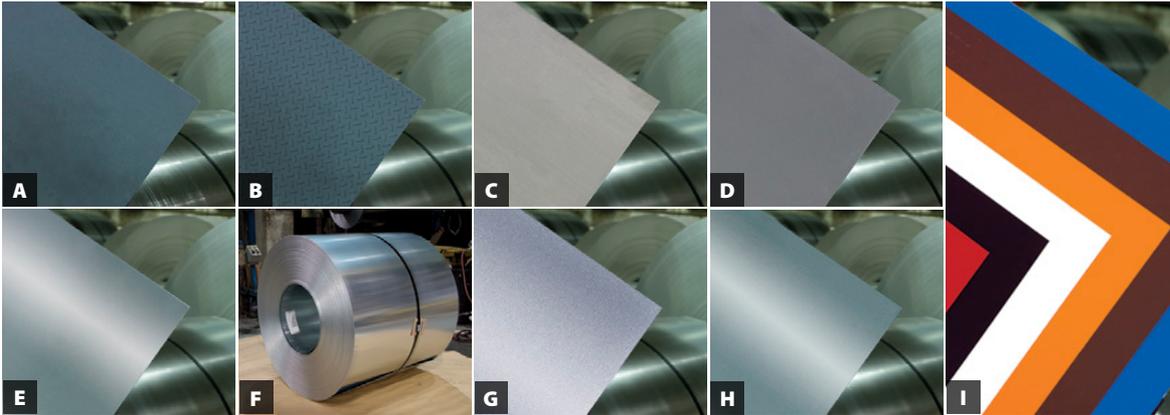
Steel of West Virginia
P.O. Box 2547
Huntington, West Virginia 25726
17th Street and 2nd Avenue
Huntington, West Virginia 25703

(304) 696-8200 main
(800) 624-3492 toll free
(304) 529-1479 main fax
(304) 697-5842 sales fax

PRODUCTS	DETAIL
A Guardrail posts/solar beams	We produce a wide variety of carbon steel specialty shapes, a line of standard merchant bars and light structural shapes, and truck trailer beams that we weld and fabricate for the customer. Our specialty shapes, including distinctive asymmetric shapes only we produce, are often custom-engineered to meet our OEM customers' requirements. Flat bar from 2" to 12" in width and various thicknesses from 1/4" up to 3" on certain bars.
B Industrial truck components	
C Mine rail/crane rail	
D Truck trailer crossmembers	
E Merchant sections	
F Flat bar	

STEEL OPERATIONS

FLAT ROLL GROUP



END MARKETS With a combined capacity of approximately 8.4 million tons per year, Steel Dynamics' Flat Roll Group offers one of the broadest lines of carbon flat-rolled products available in the industry. We produce hot-rolled, cold-rolled, metallic-coated, and painted steel at world-class facilities in Butler, Jeffersonville, and Terre Haute, Indiana, Columbus, Mississippi, and Pittsburgh, Pennsylvania. Our steel is used in the manufacture of a wide variety of products, including agricultural machinery, automobiles, appliances, construction products, consumer electronics, culverts, grain bins, office furniture, and pipe and tubing. And given the extremely high content of recycled steel used in electric-arc furnace steelmaking, SDI-produced steel is particularly well-suited to applications where conformance to LEED and Green Building guidelines is a consideration.

PRODUCTS		THICKNESS (IN.)	WIDTH (IN.)	COATING WEIGHTS	SPECIFICATIONS	BUTLER	J'VILLE	COLUMBUS	HEARTLAND	THE TECHS
Hot-rolled	A Hot-rolled bands	.042 – .625	36 – 76	N/A	CS, DS, SS, HSLA, UHSS, A36, A414, A606, JIS, SAE, API	•		•		
	B Floor plate	.075 – .500	36 – 72	N/A	CS, HSLA, SS, A36	•		•		
	C Pickled hot-rolled steel sheet	.039 – .500	36 – 74	N/A	CS, DS, SS, HSLA, UHSS, A36, A414, A606, JIS, SAE	•		•	•	
Cold-rolled	D Cold-rolled steel sheet	.0105 – .100	36 – 72.5	N/A	CS, DS, DDS, EDDS, SS, HSLA, A606, JIS, SAE, BH, A109	•		•	•	
Metallic-coated	E Hot-rolled galvanized steel sheet	.044 – .160	24 – 72	G30 – G235	CS, FS, SS, HSLA, SAE, A929	•		•		•
	- Hot-rolled galvanized steel sheet	.044 – .160	36 – 72	A40 – A60	CS, FS, SS, HSLA, SAE	•		•		
	F Cold-rolled galvanized steel sheet	.0078 – .120	24 – 72	G30 – G235	CS, FS, DDS, EDDS, SS, HSLA, SAE, DP	•	•	•	•	•
	- Cold-rolled galvanized steel sheet	.023 – .080	36 – 72	A40 – A60	CS, FS, DDS, EDDS, SS, HSLA, SAE, DP	•		•		
	G GALVALUME® steel sheet	.012 – .080	36 – 72.5	AZ35 – AZ60	CS, FS, SS		•	•		
	H Galfan® steel sheet	.010 – .160	24 – 60	GF15 – GF115	CS, FS, DDS, EDDS, SS, HSLA					•
Painted	I Painted steel sheet Available on HR, CR, HDG, and GALVALUME®	.012 – .080	36 – 72.5	Various	CS, DS, DDS, EDDS, SS, HSLA	•	•	•		

HR=Hot-rolled, CR=Cold-rolled, HDG=Hot-dipped galvanized
Some thickness, width, and grade limitations apply—not all products are available from all facilities.

SDI offers in-line acrylic-coated products (resin coat) on hot-rolled galvanized, cold-rolled galvanized, and GALVALUME®. Single-invoice processing (heavy-gauge pickling, temper passing, edge trimming, etc.) may be available. Contact your SDI representative for further information and pricing.

FLAT ROLL GROUP

CONTACT US

Butler Division

4500 County Road 59
Butler, Indiana 46721

Jeffersonville Plant

5134 Loop Road
Jeffersonville, Indiana 47130

(260) 868-8000 main
(800) 799-8942 toll free
(260) 868-8950 sales fax

Columbus Division

1945 Airport Road
P.O. Box 1467
Columbus, Mississippi 39701

(662) 245-4200 main
(866) 369-3047 toll free
(662) 848-0999 main fax
(662) 245-4297 sales fax

Heartland Division

455 West Industrial Drive
Terre Haute, Indiana 47802

(812) 299-4157 main

The Techs – MetalTech

2400 Second Avenue
Pittsburgh, Pennsylvania 15219

The Techs – GalvTech

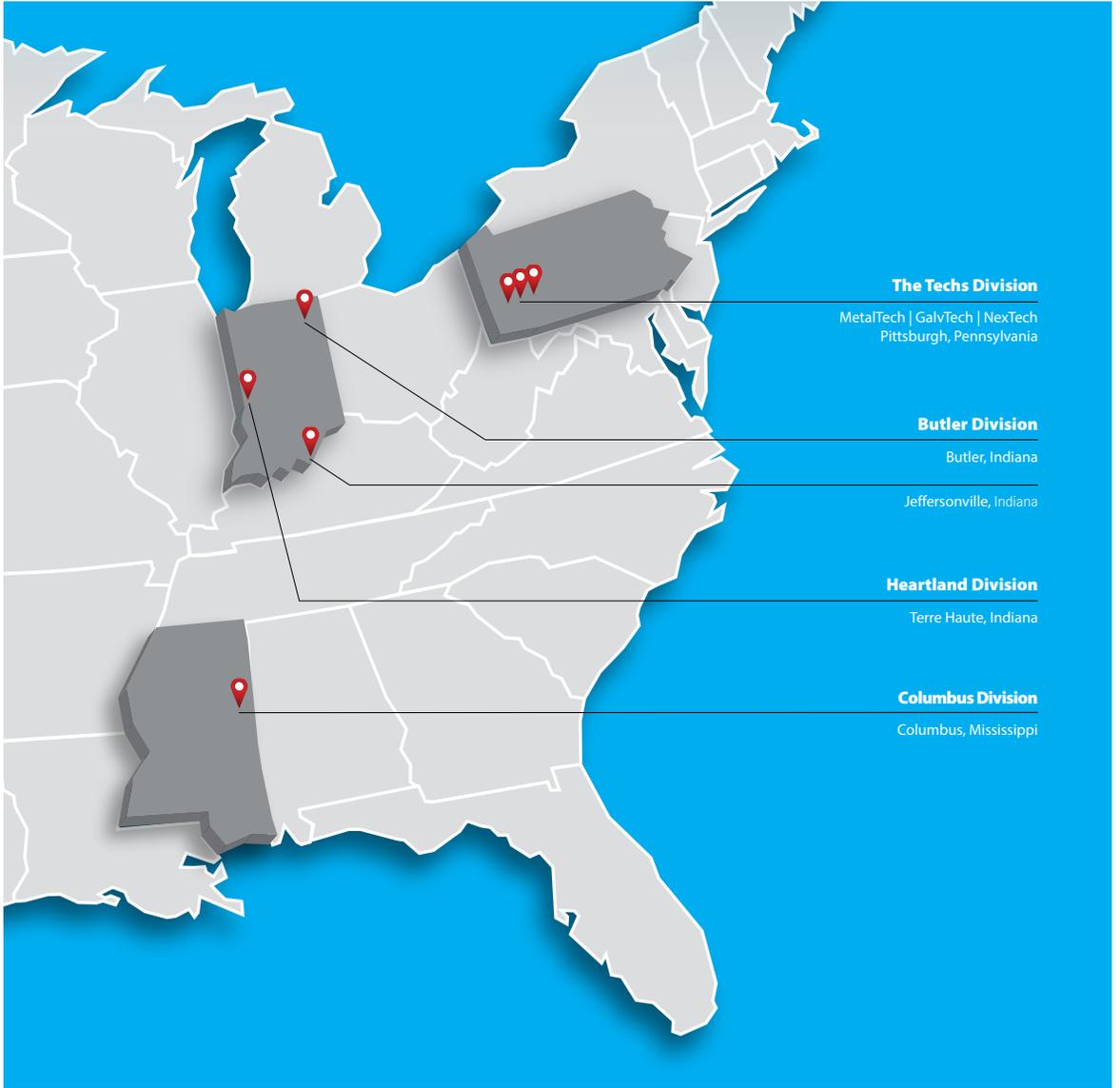
300 Mifflin Road
Pittsburgh, Pennsylvania 15207

The Techs – NexTech

300 Braddock Avenue
Turtle Creek, Pennsylvania 15145

(412) 368-4800 main
(877) 664-4258 toll free
(412) 391-0402 main fax
(412) 464-3048 sales fax





The Techs Division

MetalTech | GalvTech | NexTech
Pittsburgh, Pennsylvania

Butler Division

Butler, Indiana

Jeffersonville, Indiana

Heartland Division

Terre Haute, Indiana

Columbus Division

Columbus, Mississippi

DOWNSTREAM MANUFACTURING

JOISTS AND DECKING (New Millennium Building Systems)



END MARKETS Our joists, girders, trusses, and decking products are used primarily in the construction of non-residential buildings. **Joist products** provide support for roofs and floors. **Decking** is used to bear flooring material, such as concrete, or to cover roofs. Buildings include commercial, industrial, institutional, and governmental projects, such as shopping centers, big-box stores, fast-food restaurants, drug stores, motels, factories, distribution centers, office buildings, schools, churches, hospitals, and libraries.

CONTACT US

New Millennium Building Systems

6115 County Road 42
Butler, Indiana 46721

(260) 868-6000 main
(260) 868-6001 main fax
(260) 868-6002 sales fax

1992 NW Bascom Norris Drive
Lake City, Florida 32055

(386) 466-1300 main
(386) 466-1301 main fax
(386) 466-1302 sales fax

P.O. Box 3400
100 Diuguidds Lane (deliveries only)
Salem, Virginia 24153

(540) 389-0211 main
(800) 336-5773 toll free
(540) 389-0753 main fax
(800) 543-9461 sales fax

3565 Highway 32 North
Hope, Arkansas 71801

(870) 722-4100 main

8200 Woolery Way
Fallon, Nevada 89406

(775) 867-2130 main

4900 Hungerford Rd.
Memphis, TN 38118

(901) 969-3033 main

6248 Edgemere Blvd. (mailing address)
PMB #107
El Paso, Texas 79925

Carr. Panamericana 9920 (physical address)
Col. Puente Alto
C.P. 32695
Cuidad Juarez Chihuahua
Mexico

(915) 298-5050 main

www.newmill.com

PRODUCTS

A Joists

B Decking

DETAIL

We produce steel building components: joists; girders; and trusses in a variety of standard designs; as well as custom configurations to satisfy unique architectural and structural requirements, including bowstring, arched, scissor, double-pitched, and single-pitched joists. Steel decking includes architectural deck, cellular deck, bridge deck, roof, form and composite floor decking.

THREADED ROD / COLD FINISH / HEAT TREAT (Vulcan Steel Products)



END MARKETS Cold drawn rounds and shapes are used to make various parts in a multitude of industries, such as automotive, farm implement, fasteners, and machine parts.

Quench and tempered rounds and threaded rods are used anywhere high-strength ductile material is required. End-use markets are oil and gas, bridge and infrastructure projects, alternative energy, and projects such as wind turbines and solar-power installations.

Low-carbon and stainless-steel rods are used in commercial, residential, and industrial construction in the installation of the HVAC, electrical, and plumbing systems. Threaded rod is also used extensively in the CLP Hold-down system in the multi-family construction industry.



DETAILS

Vulcan Steel Products manufactures and stocks cold-finished bars

from .1875 to 6 inches in diameter in both carbon and alloy grades. Vulcan produces and stocks flats from 1/8 to 1 inch through 2 by 4 inches and squares and hexes from 3/8 to 2-5/16 inches.

Our Heat Treat Division is a state-of-the-art facility that uses induction heating to manufacture quench and tempered bars. Our five induction lines can heat-treat diameters from .331 to 4-5/8 inches. Our length capability ranges from 12 to 61 feet. We stock product from 3/8 to 6 inches in 12 to 24 foot lengths in hot-roll, cold-finish, and cold-drawn conditions. We also manufacture and stock threaded rod from 3/8 to 4 inches in diameter with the capability to thread up to 6 inches in diameter and up to 60 foot lengths for special jobs. Standard specifications stocked in both bar and threaded rod are A193 B7/B16, A320 L7/L43, A449, A354, A434, A722, and F1554-105. Vulcan also has the capability to run to customer designed specifications. Vulcan has stress-relieving, tempering and tolling capabilities.

Our threaded rod facility produces low carbon threaded rod from 1/4 to 3 inches in diameter in stock lengths of 3, 6, and 10 feet (up to 1-1/2 inches diameter), and 12 feet (above 1-1/2 inches diameter). They're stocked in both plain, zinc, yellow zinc, and HDG finishes. We also produce stainless steel threaded rod from 1/4 to 3 inches diameter. Various grades are produced: B8, B8M, 304ss, and 316ss (L), and stocked in 6 and 12 foot lengths.

PRODUCTS

A Cold-finished bars and shapes

B Quench and tempered bar and threaded rod

C Low-carbon and stainless threaded rod

CONTACT US

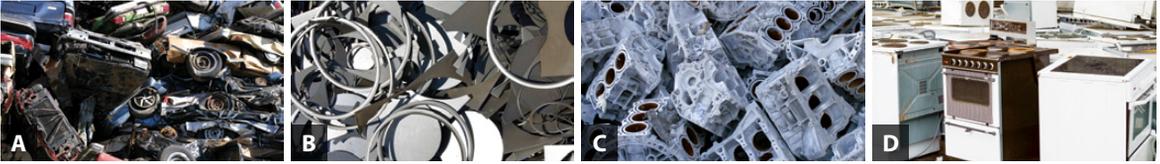
Vulcan Steel Products

10 Crosscreek Trail
Pelham, Alabama 35124

(800) 768-8522 main

METALS RECYCLING

FERROUS SCRAP (OmniSource Corporation)



▲ PRODUCTS WE BUY

A Crushed automobiles

B Industrial scrap

C Clean cast parts

D White goods/Sheet iron

◀ PRODUCTS WE SELL

E No. 1 bundles

F No. 1 busheling

G No. 2 shredded (pile and detail)

H Plate and structural

I No. 1 heavy melt

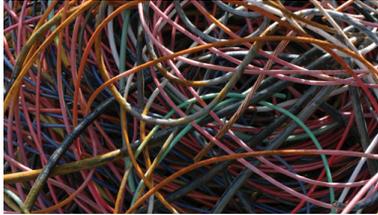
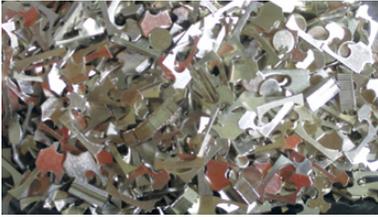
J Turnings

K Cast Briquettes/Block iron

OmniSource purchases metals, such as those shown at left, to be processed for sale. Processing at our facilities includes shredding, compacting, baling, shearing, and bundling—yielding various types and grades of ferrous scrap (at right). All recycled steel is sold to steel mills and foundries.

**Contact information
on facing page.**

NONFERROUS SCRAP (OmniSource Corporation)



◀ PRODUCTS WE BUY & SELL

All grades and forms of precious metals, aluminum, copper, electronic scrap (e-scrap), stainless, alloys, and tool steels

We buy and sell nonferrous scrap, which includes precious metals, aluminum, copper, electronic scrap (e-scrap), stainless, alloys, and tool metals, as well as recover nonferrous metals from our shredding operations. We also operate facilities converting nonferrous scrap into forms useful to industry, such as secondary aluminum alloys and copper, bronze, and stainless steel in a variety of forms.

CONTACT US for ferrous and nonferrous

OmniSource Corporation
7575 West Jefferson Boulevard
Fort Wayne, Indiana 46804

(260) 422-5541 main
(800) OMNI-789 toll free
(260) 423-8528 fax

The above photos are representative of the wide variety of recycled metals that OmniSource buys and sells.

