

Steel Plant Database: Overview

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Introduction

The Steel Plant Database is a powerful, comprehensive tool for research related to the American steel industry. The database includes ownership data, steel capacity data, and location information for all U.S. plants that are or were making steel. Plants that only heat and/or shape steel (in other words, plants that do not melt steel) are not included.

The database includes data on furnace and caster capacity over time; age of the steel-producing equipment within plants, the general product shapes, and plant types. Location information includes the usual city, state, and county information, as well as ZIP, FIPS, MSA, PMSA, and AISI codes.

With the Steel Plant Database, you can examine specific location and capacity data by furnace type. You can extract information that allows you to view trends in steel-making and related capacities. If used in conjunction with GIS (geographic information system) software, you can also view maps of capacity by geographic region.

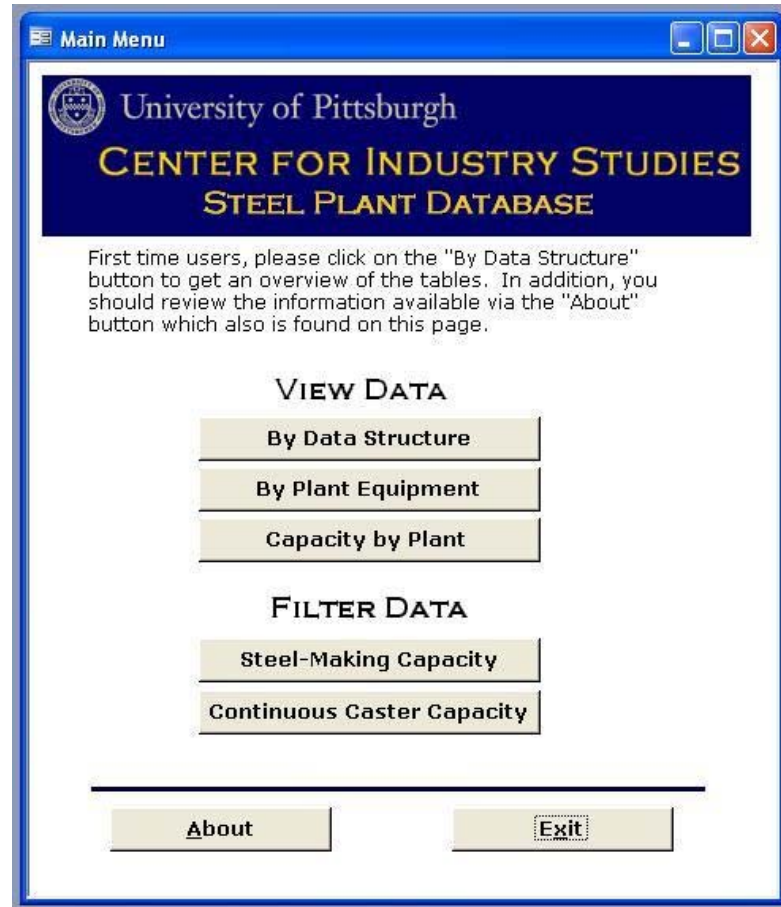
This document provides an overview of the main features of the Steel Plant Database. Example queries are also available at <http://industrystudies.pitt.edu>.

Main Menu

Main menu:

*Use the **View Data** selections to see the data displayed in predefined forms.*

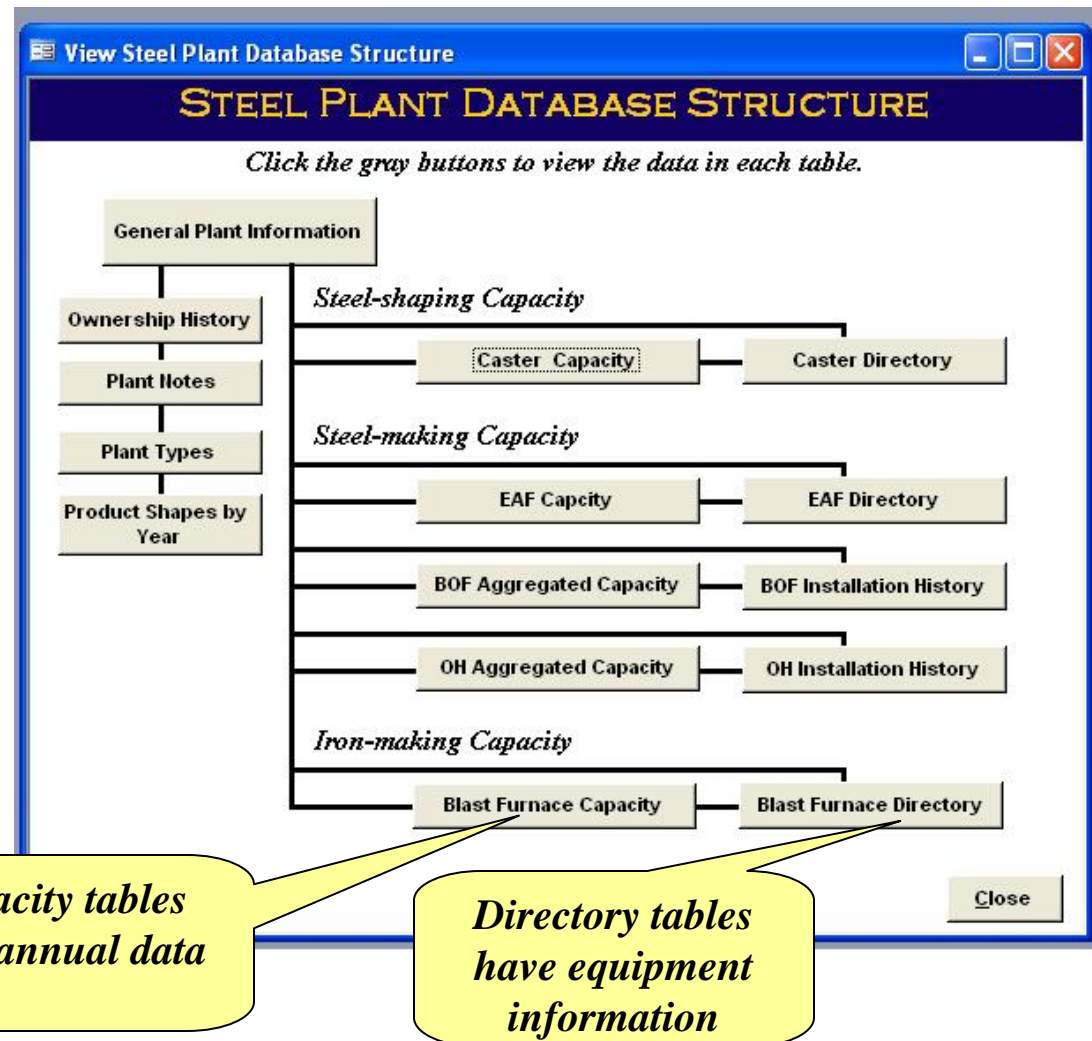
*Use the **Filter Data** selections to create your own queries*



View Data: By Data Structure

By Data Structure:

View Data by Data Structure shows a diagram of how the tables are connected. Click the name of a table to see that table's data.



View Data: By Plant Equipment

By Plant Equipment:

View Data by Plant Equipment shows data organized by plant and includes all capacity data as well as plant type, product type, and ownership history for the plant. Data is presented in separate tabs.

VIEW DATA BY PLANT

Plant ID: 1 Firm Name: AK Steel Plant Name: Butler
Start Year: 1966 City: Butler County: Butler State: PA
Street: 101 Three Degree Rd. Zip: 16003 Phone: 724-284-2000
☒ Specialty Grade Shutdown Year:

Select by Plant: Butler
Select by Firm: AK Steel

Instructions: Select a plant or firm from the drop downs on the left. Corresponding data will be displayed.

Annual Capacity Data (Capacity in '000 tons)

CASTER CAPACITY BOF CAPACITY EAF CAPACITY OH CAPACITY BLAST CAPACITY PLANT TYPE PRODUCT TYPE OWNERSHIP HISTORY

Caster Directory

CCNo	Started	Rebuilt	Dismantled
1	1970		
2	1981		

Caster Capacity

CCNo	Year	ProShape	Capacity	Status	Blast	Cap	Source
1	1978	SLAB	250	Operating			Published Reference
1	1982	SLAB	500	Operating			Published Reference
1	1985	SLAB	363	Operating			Published Reference
1	1987	SLAB	336	Operating			Published Reference
1	1989	SLAB	450	Operating			Published Reference
1	1991	SLAB	450	Operating			Published Reference

* Values of 9999 in either the Started or Rebuilt indicate that the date is unknown but prior to 1960.

Data Sources Database Structure Plant Notes

Record: 1

Next Record > Close

Plant Notes provide background information on each plant

Each tab offers a different type of data about the plant

View Data: Capacity by Plant

Capacity by Plant:

*View Data,
Capacity by Plant
Equipment
aggregates
operating furnace
and caster
capacity data and
presents annual
totals in thousands
of short tons for
each of the plants.
All data is
presented in a
single table.*

View All Capacities By Plant

PlantID PlantName County

StCntyFIPS 42019 MSA83 PhoneNumber 724-284-2000

StateFIPS 42 MSA93 6280 StreetAddress 101 Three Degree Rd.

CntyFIPS 019 PMSA83 City Butler

PlantStartYr 1966 PMSA93 9999 State PA ZipCode 16003

AIISI PA

Instructions:
Select a plant or firm from the drop downs below. Corresponding data will be displayed.

Select by Plant
 Butler

Select by Firm
 AK Steel

Year **Plant Type**

1978	Greenfield Minimill
1982	Greenfield Minimill

PlantName **Year** **BLAST** **CASTER** **BOF** **EHF**

Butler	1978		250		699	699
Butler	1982		863		840	840
Butler	1985		726		840	840
Butler	1987		699		840	840
Butler	1989		900		840	840
Butler	1991		900		840	840
Butler	1996		1000		960	960
Butler	1998		1000		960	960

Record: 1 of 13

Record: 1 of 197

Plant Notes **Close**

Location codes are provided for each plant.

Filter Data: Steel-Making Capacity

In Filter Data by Steel-Making Capacity, query the database to see capacity data of furnaces and casters by region and by plant types.

Sample queries are available.

Select individual years or a range of years.

Select Capacity by State and Plant Type

SELECT CAPACITY BY STATE AND PLANT TYPE

Step 1: Select State(s) Select all States

<input type="checkbox"/> Alabama	<input type="checkbox"/> Louisiana	<input type="checkbox"/> Ohio
<input type="checkbox"/> Alaska	<input type="checkbox"/> Maine*	<input type="checkbox"/> Oklahoma
<input type="checkbox"/> Arizona	<input type="checkbox"/> Maryland	<input type="checkbox"/> Oregon
<input type="checkbox"/> Arkansas	<input type="checkbox"/> Massachusetts*	<input checked="" type="checkbox"/> Pennsylvania
<input type="checkbox"/> California	<input type="checkbox"/> Michigan	<input type="checkbox"/> Rhode Island
<input type="checkbox"/> Colorado	<input type="checkbox"/> Minnesota	<input type="checkbox"/> South Carolina
<input type="checkbox"/> Connecticut	<input type="checkbox"/> Mississippi	<input type="checkbox"/> South Dakota*
<input type="checkbox"/> Delaware	<input type="checkbox"/> Missouri	<input type="checkbox"/> Tennessee
<input type="checkbox"/> Florida	<input type="checkbox"/> Montana*	<input type="checkbox"/> Texas
<input type="checkbox"/> Georgia	<input type="checkbox"/> Nebraska	<input type="checkbox"/> Utah
<input type="checkbox"/> Hawaii	<input type="checkbox"/> Nevada*	<input type="checkbox"/> Vermont*
<input type="checkbox"/> Idaho*	<input type="checkbox"/> New Hampshire*	<input type="checkbox"/> Virginia
<input type="checkbox"/> Illinois	<input type="checkbox"/> New Jersey	<input type="checkbox"/> Washington
<input type="checkbox"/> Indiana	<input type="checkbox"/> New Mexico*	<input type="checkbox"/> West Virginia
<input type="checkbox"/> Iowa	<input type="checkbox"/> New York	<input type="checkbox"/> Wisconsin
<input type="checkbox"/> Kansas	<input type="checkbox"/> North Carolina	<input type="checkbox"/> Wyoming*
<input type="checkbox"/> Kentucky	<input type="checkbox"/> North Dakota*	

* These states have not produced steel in the years covered by the database.

Step 2: Select Furnace Status

☒ Operating ☐ Not Operating

Step 3: Select Capacity Type(s)

☐ Blast ☐ BOF ☒ Caster ☒ EAF ☐ OH

Step 4: Select Year(s)

A. For one year or a continuous range of years

From this year: To this year:

AND/OR

B. enter up to six separate years below:

Step 5: Select Plant Type

☒ All Minimills (B and G) ☐ Integrated Mills

☒ Greenfield Minimills ☐ Small Traditional Mills

☒ Brownfield Minimills ☐ Specialty Steel Mills

☐ Foundry

☐ All of the above

Step 6: Select View Data Level

☐ State Level ☐ County Level ☒ Plant Level

Step 7: Select Product Shape at the Plant Level

☒ Flat ☒ Long ☐ Cast and Forged

Select aggregation level for data results

Filter Data: Continuous Caster Capacity

In Filter Data by Continuous Caster Capacity, query the database to see capacity data of casters by region and by plant types.

Select Capacity by State and Plant Type

SELECT CAPACITY BY STATE AND PLANT TYPE

Step 1: Select State(s) Select all States

<input type="checkbox"/> Alabama	<input type="checkbox"/> Louisiana	<input type="checkbox"/> Ohio
<input type="checkbox"/> Alaska	<input type="checkbox"/> Maine*	<input type="checkbox"/> Oklahoma
<input type="checkbox"/> Arizona	<input type="checkbox"/> Maryland	<input type="checkbox"/> Oregon
<input type="checkbox"/> Arkansas	<input type="checkbox"/> Massachusetts*	<input checked="" type="checkbox"/> Pennsylvania
<input type="checkbox"/> California	<input type="checkbox"/> Michigan	<input type="checkbox"/> Rhode Island
<input type="checkbox"/> Colorado	<input type="checkbox"/> Minnesota	<input type="checkbox"/> South Carolina
<input type="checkbox"/> Connecticut	<input type="checkbox"/> Mississippi	<input type="checkbox"/> South Dakota*
<input type="checkbox"/> Delaware	<input type="checkbox"/> Missouri	<input type="checkbox"/> Tennessee
<input type="checkbox"/> Florida	<input type="checkbox"/> Montana*	<input type="checkbox"/> Texas
<input type="checkbox"/> Georgia	<input type="checkbox"/> Nebraska	<input type="checkbox"/> Utah
<input type="checkbox"/> Hawaii	<input type="checkbox"/> Nevada*	<input type="checkbox"/> Vermont*
<input type="checkbox"/> Idaho*	<input type="checkbox"/> New Hampshire*	<input type="checkbox"/> Virginia
<input type="checkbox"/> Illinois	<input type="checkbox"/> New Jersey	<input type="checkbox"/> Washington
<input type="checkbox"/> Indiana	<input type="checkbox"/> New Mexico*	<input type="checkbox"/> West Virginia
<input type="checkbox"/> Iowa	<input type="checkbox"/> New York	<input type="checkbox"/> Wisconsin
<input type="checkbox"/> Kansas	<input type="checkbox"/> North Carolina	<input type="checkbox"/> Wyoming*
<input type="checkbox"/> Kentucky	<input type="checkbox"/> North Dakota*	

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