

Maritime & Land Forging And Casting Team

Information

- Provides casting & forging assistance
- MetaLFACT is comprised of Government and Industry representation
- MetaLFACT is a resource available to the following
 - DLA Personnel: Product Specialists, Buyers, Planners
 - Engineering Support Activities (ESAs)
 - Contractors/Suppliers
 - With active DSCC contracts (w/Contracting Officers' approval)
 - Bidding on open DSCC solicitations
- Tools to provide assistance



Identification

- DLA Program review the tech data to identify the presence of cast or forge content.
- Program has identified over 30,000 items with cast and forged content. (with over 60,000 items still to review)
- Many items with additional information i.e. Process, material, and envelope size identified.
- Information placed into EBS solicitations to improve success of solicitation.

Solution

- Team exists to assist DLA with the procurement of material containing cast or forge content.
- Most assistance requests are for sourcing and/or tooling information. Other are for technical details, data clarification, or other technical issues.
- Pool resources to identify solutions and develop tools to assist DLA with procurements.
- Tools (following slides) to assist with finding sources and existing tools. (WEB sites)

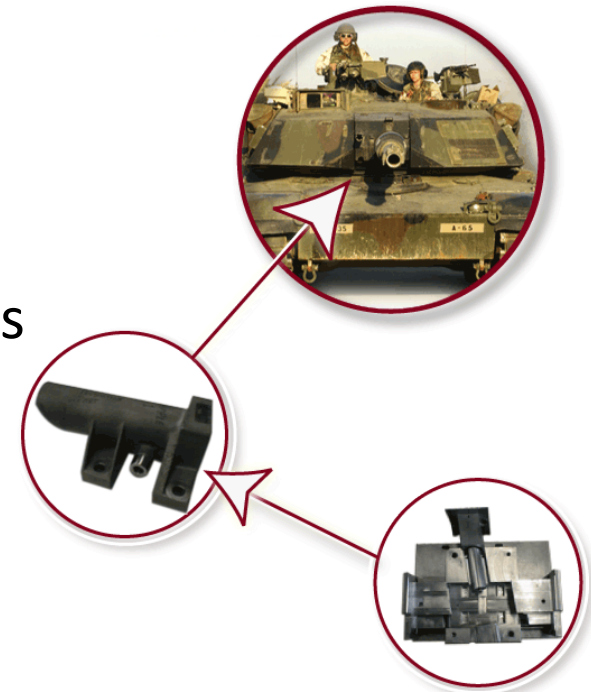
Cast Tooling Database

www.defensetooling.com



| Search Tooling Database | |
|--|--|
| National Stock Number: <small>ex. (1234-00-789-0123)</small> | <input type="text"/> Help? |
| Weapon System: | <input type="text"/> Help? |
| Finished Part Number: | <input type="text"/> Help? |
| Design Drawing Number: | <input type="text"/> Help? |
| Part Description: | <input type="text"/> Help? |
| <input type="button" value="Submit"/> <input type="button" value="Reset"/> | |

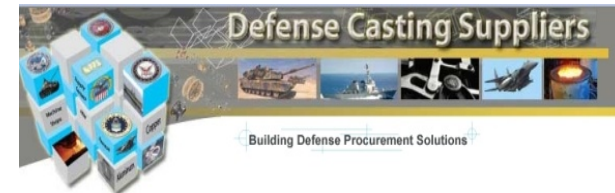
- Population
 - >120 companies
 - >25,000 tooling records
- Utilized by ICP's
- Assist defense contractors in finding tooling
 - 50% success rate of matching inquiries to patterns/suppliers
- Company notified each time gov't buying parts for which they have tooling
- \$1.5 million in orders directed to participants each month



Casting Suppliers Database

www.defensecastingsuppliers.com

- Online directory of metalcasters serving the defense industry
- Utilized by government and defense contractors
- 256 Registered Metalcasters
 - All Processes & Materials
- Casting bid solicitations matched to plant capabilities



Search Supplier Capabilities Database

Supplier Profile Information

Company Name:

Cage Code: State: --Select State(s)--
 AL
 AR
 AZ

Rapid Tooling: No Yes Low Volume: No Yes

Search Type: "And" Returns suppliers who meet ALL criteria
 "Or" Returns suppliers who meet AT LEAST ONE criteria

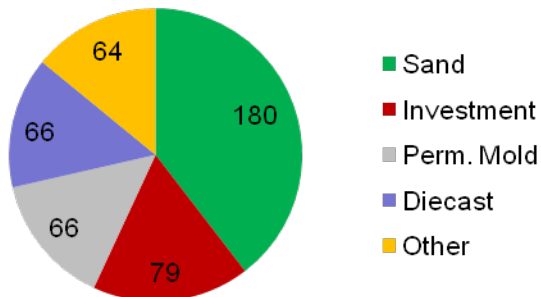
Supplier Classifications and Capabilities

| | |
|--|---|
| Business Classification: <input type="checkbox"/> 8A Program Participant <input type="checkbox"/> Minority Owned <input type="checkbox"/> SBA Certified Hubzone Firm <input type="checkbox"/> Small Business <input type="checkbox"/> Small Disadvantaged Business <input type="checkbox"/> Veteran Owned <input type="checkbox"/> Woman Owned | Federal Classification: Guns through 30 mm (1005) Guns over 30 mm up to 75 mm (1010) Guns 75 mm through 125 mm (1015) Guns over 125 mm through 150 mm (1020) Guns over 150 mm through 200 mm (1025) Guns over 200 mm through 300 mm (1030) Guns over 300 mm (1035) Chemical weapons & equipment (1040) Launchers, torpedo & depth charge (1045) Launchers, grenade, rocket & pyrotechnic (1055) |
| Casting Processes: <input type="checkbox"/> Centrifugal <input type="checkbox"/> Diecasting <input type="checkbox"/> Investment <input type="checkbox"/> Permanent Mold <input type="checkbox"/> Plaster <input type="checkbox"/> Sand <input type="checkbox"/> Squeeze/Semi-Solid <input type="checkbox"/> V-Process | Secondary Operations: <input type="checkbox"/> Assembly <input type="checkbox"/> Dimensional Inspection <input type="checkbox"/> Engineering & Design <input type="checkbox"/> Heat Treat <input type="checkbox"/> Liquid Penetrant <input type="checkbox"/> Magnetic Particle <input type="checkbox"/> Painting <input type="checkbox"/> Pattern Shop <input type="checkbox"/> Radiography <input type="checkbox"/> Rough/Finish Machining <input type="checkbox"/> Surface Treatments <input type="checkbox"/> Welding |

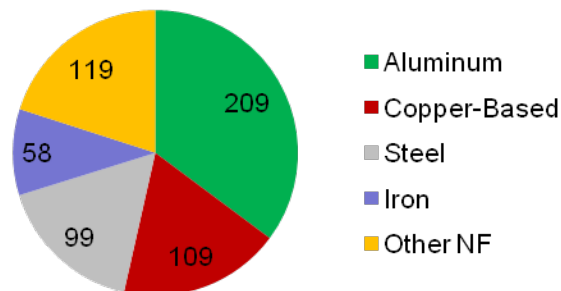
Supplier Materials & Alloys

Materials:
 Aluminum

Casting Processes



Casting Materials



National Forging Tooling Database (NFTD)

- Purpose
 - Rapidly locate forging dies for legacy weapon systems
- Benefits
 - Web base database
 - Locates forging dies and suppliers
 - Widely accessible through Haystack Gold
 - Reduces ALT and PLT
 - Avoids costs of designing/building new dies
 - Huge benefit for small order sizes
 - Sustainable beyond the life of the FAST Program

Navigating NFTD

- Method: Log into Haystack Gold
- Select the Database drop-down menu
- Select “Other Databases”, then “Forging/Tooling”

The screenshot displays the IHS Haystack Gold web application interface within a Windows Internet Explorer browser window. The browser's address bar shows the URL `http://haystack.ihserc.com/Code/Flis_Search.asp`. The page header includes the IHS logo with the tagline "The Source for Critical Information and Insight™" and navigation links for "Contact Us", "IHS Menu", and "Log Out". The main navigation menu is highlighted, showing "Database", "Reports", "About", and "Help". The "Database" menu is expanded, revealing a list of search options. The "Other Databases" category is selected, and the "Forging/Tooling" option is highlighted. A tooltip for "National Forging and Tooling Search" is visible over the "Forging/Tooling" link. The search interface includes a search box with a placeholder "Enter Procurement History" and a note about wildcard characters. Below the search box are several input fields for filters: "FSC", "INC", "Weapon/System", "PID Keyword", "PID Specifications", "AAC" (set to "All AAC Codes"), "SOS", "Navy COG", "RNCC", "Navy SMIC", "RNVC", "Army AMCC", and "AF MMAC". A "Results Limit" dropdown is set to "up to 2500". At the bottom, there are "Search" and "Reset" buttons.

Forging Industry Association Website

<http://www.forging.org>

- To locate and identify Forge Shops according to specific process and material.
- Submit Request for Quotes (RFQs) to get to supplier with capability to produce desired items.

Communication

Points of Contact

- DLA Land and Maritime
 - Email: dsccl.cast.forge@dla.mil
 - Phone:
 - 614-692-8857
 - 614-692-2619
- DLA Aviation
 - Email: DSCR.AFCAT@dla.mil
 - Phone:
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