

# AATC

**American Aerospace Technical Castings**

## AATC PRESENTATION - COMPANY





## Investment Casting's

Investment castings reduce or eliminate alternate manufacturing processes such as hog-outs and are designed for multiple quantities of same size parts.

## About AATC

We are located in Phoenix, Arizona and have been in business for 25 years as an established company in manufacturing of investment castings. We have new; modern facilities for casting, heat treating, non-destructive testing, machining and assembly processes. We have local customer approved vendors for special processing and finishing. Our parts are used in many industries; primarily in the commercial and military aerospace aircraft industry.

We are a low overhead; low cost manufacturing facility, with no bank loans and a strong balance sheet. We have a large loyal customer base with long-term contracts through 2021 .

## Quality

We are committed to quality. Our commitment is understood by Management and Employees and is measured through regular customer performance and on time delivery ratings.

## Commitment

We are committed to supporting our customers from manufacturing through on time delivery and provide "safety stock" to eliminate lead-time.

## Management

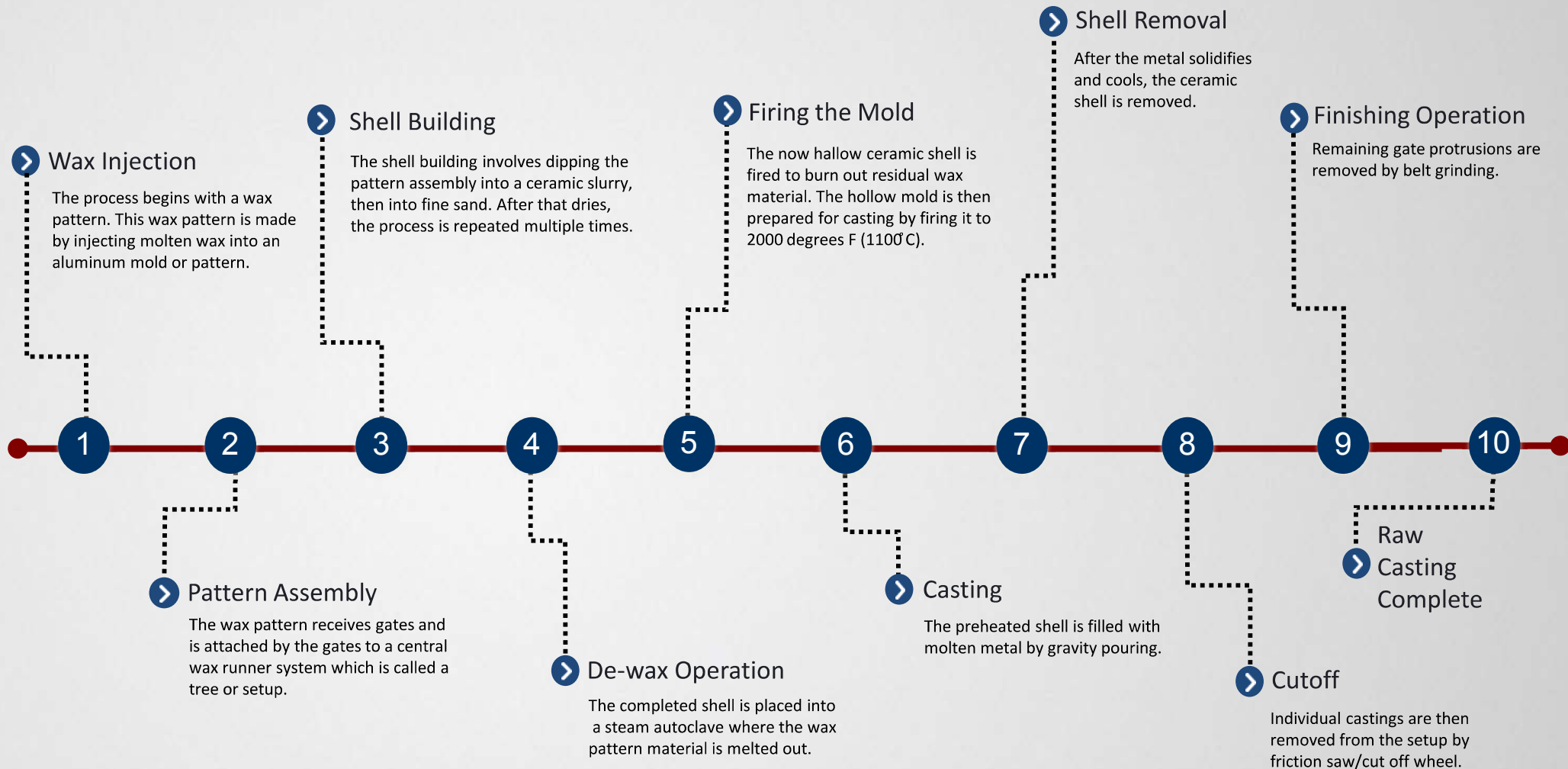
Our Management Team and Employees are committed to growth and continuous improvement of our company. Management and Employees with 5 years of service, own 30% of the company.

## We want your business

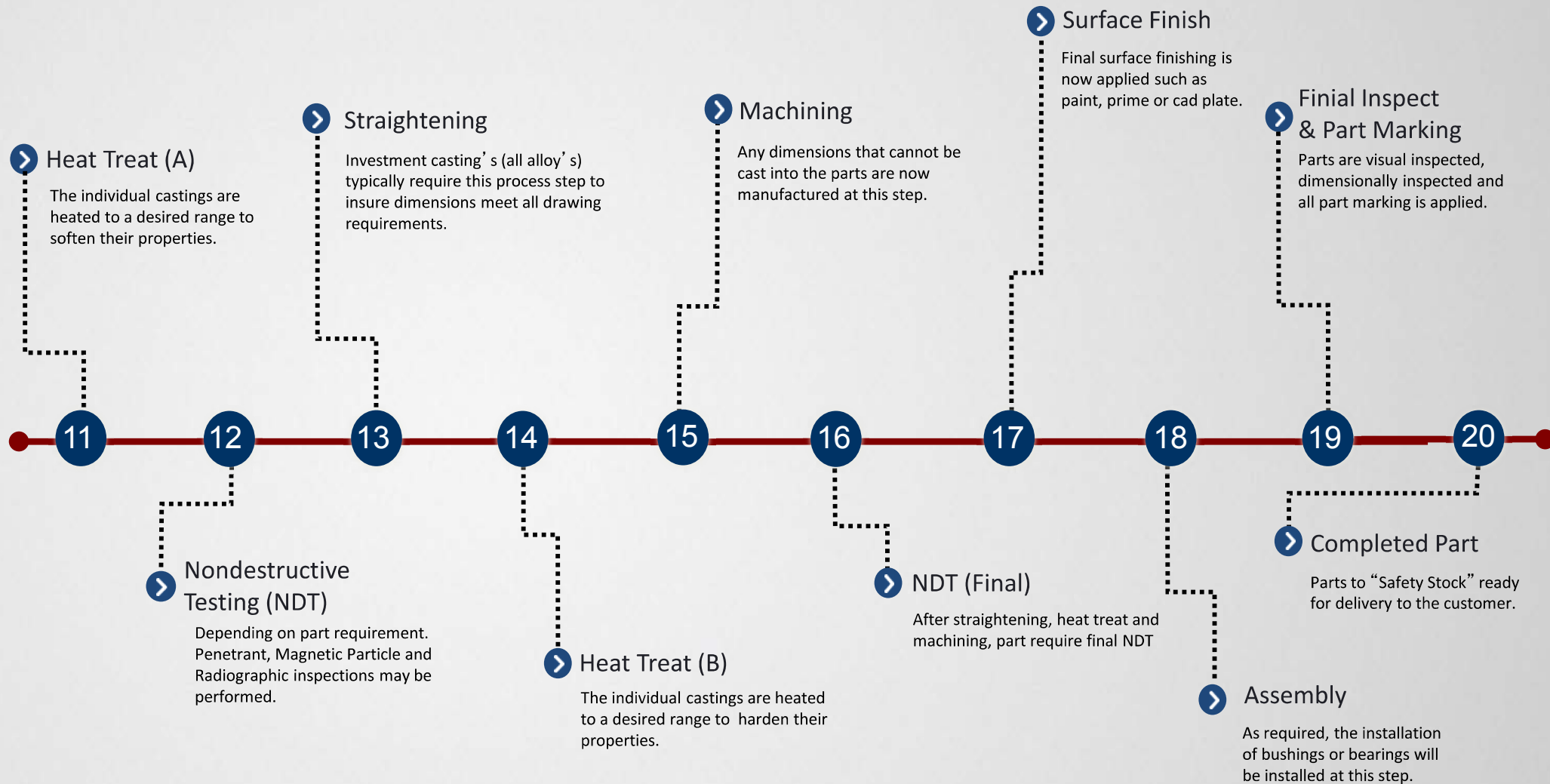
Feel free to submit your quotation requests to:  
E-mail: [customersupport@aatcinc.com](mailto:customersupport@aatcinc.com)  
Phone: 602-268-1467

Please visit our user friendly website: [www.aatcinc.com](http://www.aatcinc.com)

# Investment Casting Process; Flow Chart



# Investment Casting Process; Flow Chart





## Primary Alloy Listing

Carbon Steel	Low Allow Steels	300 Stainless Steels	400 Stainless Steels	Precipitating-Hardening SS	Aluminum	Copper	Cobalt Base	Nickel Base
1020	4130	302	410	15-5 PH	A356	Beryllium Copper	Stellite 6	Hastelloy B
1025	4140	303	416	17-4 PH	A357		Stellite 21	Hastelloy C
1040	8620	304/304L	431				Stellite 25	Hastelloy X
	8630	316/316L	N155				Stellite 31	Inconel 625
		347						Monel

**Note: AATC, Inc. only has air melting capabilities, we do not have vacuum casting capabilities.**

# AATC

## American Aerospace Technical Castings – Machine Shop



# Equipment / Capabilities

## MACHINING

- ✓ 7 HAAS VF 4 SS – 5 Axis Numerical Controlled Machining Centers
- ✓ 1 HAAS VF 3 SS – 4 Axis with trunnion (5 - axis)
- ✓ 1 HAAS ST20 Lathe
- ✓ 1 Quasar CNC lathe
- ✓ 1 Three Axis- Vertical / Horizontal Numerical Controlled Machining Centers
- ✓ 4 Large Capacity Bridgeport Mills
- ✓ CAD to CAM Programming Capabilities







# Hog Outs

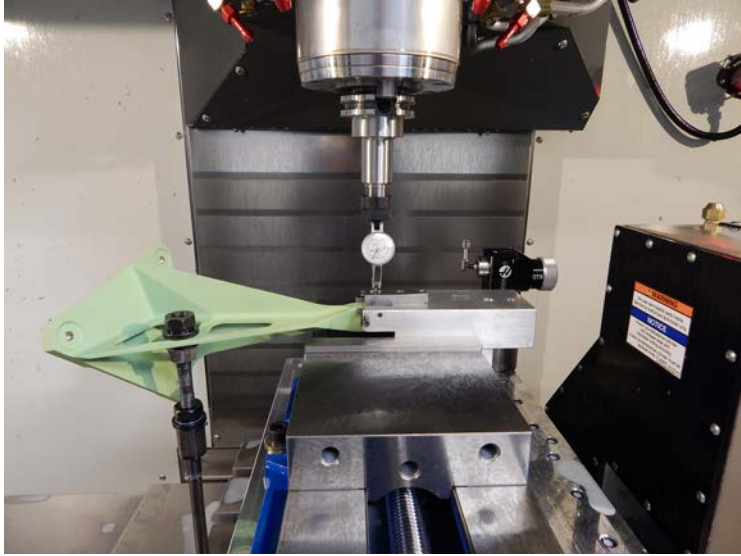




# “One-Stop Shop” Ability to manufacture a casting and produce a finished part.









## Mitutoyo Coordinate Measuring Machine



# Hexagon Absolute Arm 7-Axis





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Build Day: 09-13-2017.00.00

Service Pack 4, Build Number 26

Hot Fix 23

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**International Aerospace Quality Group**

**Online Aerospace Supplier Information System**

## **Proof of OASIS Identification Number (OIN) Assignment**

OIN: **6119743388**

Date Assigned: 06/19/2006  
(mm/dd/yyyy)

Organization Name: American Aerospace Technical  
Castings Inc

Sector: AMERICAS

Department:

Address: 2950 W Catalina Dr  
Phoenix, Arizona 85017, United States



## CERTIFICATE OF REGISTRATION

*This Certificate bears witness that Great Western Registrar LLC  
(An ANAB-accredited CB) has assessed the management system of:*

**AMERICAN AEROSPACE TECHNICAL CASTINGS INC.**  
**2950 W. CATALINA DR.**  
**PHOENIX, AZ 85017**

*In accordance with the requirements of AS9104/1-2012, Great Western Registrar is  
accredited under the Aerospace Management Program and declares that the management  
system of the above named organization is in conformance with:*

**ISO 9001:2015/AS9100D**

*This registration covers the scope of supply listed below:*

**MANUFACTURING OF INVESTMENT CASTINGS**

*The products, services and/or processes named above shall only be offered from the  
identified addresses. The above named organization is subject to procedures that govern  
the registration for which they are certified.*

**For Great Western Registrar, LLC**



**Title: President**

**21835 N. 23rd Ave. Phoenix, AZ. 85027**

**Cert. # 0506-56-4-A**

**Issue date: 05/21/2018    Reissue Date:    Expiry date: 05/20/2021**



American Aerospace Technical Castings, Inc. complies with all applicable U.S. export control laws and regulations, including the Arms Export Control Act and ITAR.

ITAR is a program directed by the US Department of State, regulating the export and import of U.S. military and defense related equipment, services, and information.

EAR (Export Administration Regulations) is a program directed by the Department of Commerce to control access to military and defense-related information, services, and information.

Through the ITAR and EAR regulations and AATC's own policies and procedures, AATC ensures that foreign entities do not gain access to any of the designs or products generated by its customers.

AATC's, ITAR procedures include:

Technology and Export Control Process  
Export Management

ITAR Management Assignments  
ITAR Coordinator  
Inventory Control Auditor  
Corporate Export Control Officer

We are available to discuss our ITAR processes and applicable documentation with current and prospective customers.

**REGISTRANT**

**M28575**





*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## ***American Aerospace Technical Casting***

*2950 W. Catalina Dr  
Phoenix, AZ 85017  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## ***Heat Treating***

Certificate Number: 4297177244  
Expiration Date: 31 October 2019

*Joseph G. Pinto  
Executive Vice President and Chief Operating Officer*

*Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527*





*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## ***American Aerospace Technical Casting***

*2950 W. Catalina Dr  
Phoenix, AZ 85017  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## ***Materials Testing***

Certificate Number: 4297178108  
Expiration Date: 31 October 2019

*Joseph G. Pinto  
Executive Vice President and Chief Operating Officer*

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*Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527*



*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## *American Aerospace Technical Casting*

*2950 W. Catalina Dr  
Phoenix, AZ 85017  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## *NonDestructive Testing*

Certificate Number: 4297175421  
Expiration Date: 31 January 2020

*Joseph G. Pinto  
Executive Vice President and Chief Operating Officer*

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*Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527*



*This certificate is granted and awarded by the authority of the Nadcap Management Council to:*

## *American Aerospace Technical Casting*

*2950 W. Catalina Dr  
Phoenix, AZ 85017  
United States*

*This certificate demonstrates conformance and recognition of accreditation for specific services, as listed in [www.eAuditNet.com](http://www.eAuditNet.com) on the Qualified Manufacturers List (QML), to the revision in effect at the time of the audit for:*

## *Welding*

Certificate Number: 4297185784  
Expiration Date: 30 April 2020

Joseph G. Pinto  
Executive Vice President and Chief Operating Officer

*Performance Review Institute (PRI) | 161 Thorn Hill Road | Warrendale, PA 15086-7527*