

# ON-SITE SERVICES

Allegheny Surface Technology offers turnkey on-site services to address your refurbishment needs. These services may include: vessel or tank repair, electropolishing, passivation and mechanical polishing. Each of our on-site teams will follow all federal, state, and site-specific safety regulations. All necessary inspections and testing will be performed and documented. We pride ourselves on efficient and professional work habits.

Each of our on-site teams are led by a qualified Allegheny Surface Technology Site Coordinator. The coordinator implements the work plan. The coordinator is the customer liaison for progress reports, paper work, and general communications.

Each on-site technician has completed all OSHA required training needed to perform the work at your site. Safety training is completed annually and is reviewed before each job to ensure a complete understanding of the requirements and possible hazards associated with your job and facility.

Upon arrival at the site, Allegheny Surface

Technology technicians will meet with the customer contact. Technicians will work the agreed upon time frame to achieve the desired finish detailed in the scope of work.

All necessary inspections will be performed and documented by our on-site quality representative or third party inspector. Necessary testing to ensure equipment meets all standards will be performed and recorded. A documentation package will be issued within the agreed upon time frame.

## ON-SITE SERVICES

- Electropolishing
- Mechanical polishing
- Citric passivation
- Complete vessel refurbishment
- ASME code welding
- Vessel assessment
- Level II inspection
- Liquid penetrant testing
- Surface measurement readings ( $R_a$ )
- Borescope inspections
- Documentation package & mapping



# TECHNICAL INFORMATION

At Allegheny Surface Technology we meet standards set by the following to better satisfy the needs and expectations of our customers.

ASTM B 912

ASTM A 380

ASTM A 967

ASME BPE 2015

AMS 2700

Whatever your surface finish requirements, AST is the one stop shop. New or used, your place or ours, we'll finish the job in time for you to do yours.

Note: The chart to the right is to be used for reference only. Material and processes can and will affect results.

Grit#	R <sub>a</sub> Microinch Mechanical Polish	R <sub>a</sub> Microinch Electropolish
60	80-140	60-130
80	50-75	30-65
120	35-45	20-40
150	25-40	15-35
180	20-30	10-25
240	15-25	8-20
320	10-20	5-18
400	<10	5-10
500	<7	3-7

$\pi$  is approximately equal to 3.14

Radius = diameter / 2

1ft<sup>3</sup> = 7.481 gallons

1ft<sup>3</sup> = 28.23 liters

1 gallon = 3.785 liter



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