

# Technical Information



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.

Grit#	RA Microinch Mechanical Polish	Ra 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

**Note:** Chart above is to be used for reference only.  
Material and processes can and will affect results.

**ALLEGHENY**  
SURFACE TECHNOLOGY

**(866) 266-9293**

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<b>AST Services Offered</b>	<b>In-House</b>	<b>On-Site</b>
Borescope	✓	✓
Chemical Clean	✓	✓
Code Welding	✓	✓
Electropolish	✓	✓
Inspection Level II	✓	✓
Mechanical Polish	✓	✓
Passivation	✓	✓
Refurbish	✓	✓
Retrofit	✓	✓
Service Documentation	✓	✓
Surface Finish Ra	✓	✓
Ultra Sound	✓	✓
Vessel Mapping	✓	✓
Vessel Repair	✓	✓

Cylinder Volume =  $\text{Pi} \times \text{radius}^2 \times \text{height}$

Pi is approximately equal to 3.14

Radius = diameter : 2

$1\text{ft}^3 = 7.481 \text{ gallons}$

$1\text{ft}^3 = 28.23 \text{ liters}$

1 gallon = 3.785



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